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%audio.class; *Defined Audio Types*

A predefined list containing common audio formats. The list can be updated to include other audio types.

ELEMENT USED IN: ***%notation.class;***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: List (WMA | WAX | WAV | MID | MIDI | RMI | SMF | KAR | AIF | AIFC | AIFF | CDDA | AU | SND |ULW | CDA)

%graphic.class; *Defined Notation Graphic Types*

A predefined list containing common graphical formats. The list can be updated to include other graphic types.

ELEMENT USED IN: ***%notation.class;***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: List (BMP| CGM-CHAR | CGM-BINARY | CGM-CLEAR | DITROFF | DVI | EPS | EQN | FAX | GIF | GIF87a | GIF89a | JPG | JPEG | IGES | PCX | PDF | PIC | PNG | PS | SGML | TBL | TEX | TIFF | WMF | WPG | linespecific)

%maintlevel; *Lowest Maintenance Level – **Attribute Type***

List of available maintenance level for a TM. The levels are Crew, Maintainer, Below-Depot, Aviation Support Battalion (ASB), Aviation Maintenance Company (AMC), Theater Aviation Sustainment Maintenance Group (TASMG), Depot (depot).

ELEMENT USED IN: ***<titlepg>, and %wplevel;***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: List (crew | maintainer | below_depot | asb | amc | tasmg | depot)

%mp3.class; *Defined Notation MP3 Types*

A predefined list containing common MP3 formats. The list can be updated to include other MP3 types.

ELEMENT USED IN: ***%notation.class;***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: List (MP3 | M3U | SWA | M3URL)

%mpeg.class; *Defined Notation MPEG Types*

A predefined list containing common MPEG formats. The list can be updated to include other MPEG types.

ELEMENT USED IN: ***%notation.class;***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: List (MPEG | MPG | MPE | MLV | MP2 | MP2V | MPA | MP4 | MPG4)

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%no_att; *Yes or No with Default No – **Attribute Type***

Provide a "yes" or "no" value list with no attribute entered by the user is defaulted to "no".

ELEMENT USED IN: ***<ammo>, <dialog-group>, <entry>, <figure>, <link>, <nostate>, <note>, <note.group>, <paper.manual>, <pi.item>, <pmcstable>, <randlist>, <servbranch>, <sys-ts>, <warning>, <warning.group>, and <yesstate>***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = no

%notation.class; *Defined Notation Types*

A predefined list containing common graphic, audio and multimedia formats.

ELEMENT USED IN: ***%notation.class;***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: List (MPEG | MPG | MPE | MLV | MP2 | MP2V | MPA | MP4 | MPG4)

%referencetype; *Link Reference Type – **Attribute Type***

Define the link element information type being targeted. The link types are Technical Manual (tm), Supply Catalog (sc), Work Package (wp), Test Procedure (test), Task (task), Step Level 1 (step1), Paragraph (paragraph), Figure (figure), Table (table), Part Item (part), External Document (document), Initial Setup Item (setup.item), IETM or Help Frame (frame.help), Application Program (program), Multimedia (multimedia), Hotspot (hotspot), and Page Number (pageno).

ELEMENT USED IN: ***<link>***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: List (tm | sc | wp | test | task | step1 | paragraph | figure | table | part | document | setup.item | frame.help | program | multimedia | hotspot | pageno)

%variablescope; *State (Variable) Information Scope – **Attribute Type***

The state (variable) information data is kept within a local scope (i.e. only validate within a work package) or global is effective for the entire IETM.

ELEMENT USED IN: ***<variable>***

ATTRIBUTE TYPE DEFINITION

DECLARED VALUE: List (local | global)

%video.class; *Defined Video Types*

A predefined list containing common video formats. The list can be updated to include other video types.

ELEMENT USED IN: ***%notation.class;***

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ATTRIBUTE TYPE DEFINITION
DECLARED VALUE: List (ASR | ASX | WM | WMX | WMP | WMV | WVX | AVI | MOV | QT | SMI | SML | VFW | FLI)

%yes_att; *Yes or No with Default Yes – **Attribute Type***

Provide a "yes" or "no" value list with no attribute entered by the user is defaulted to "yes".

ELEMENT USED IN: ***<binarymenu>, <dialog>, <fillin>, <howtouse>, <internet>, and <menu>***

ATTRIBUTE TYPE DEFINITION
DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = yes

%yesorno; *Yes or No without Default – **Attribute Type***

Provide a "yes" or "no" value list with no required value or default.

ELEMENT USED IN: ***<binarymenu>, <choice>, <dialog>, <ecp>, <message>, <step1>, <step2>, <step3>, <step4>, <step5>, <step6>, and <variable>***

ATTRIBUTE TYPE DEFINITION
DECLARED VALUE: "yes" or "no"

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%applidatt; *Applicability and Body with ID – **Attribute Set***

Defines common elements that may require applicability identification and common body attributes.

ELEMENT USED IN: ***%taskatt;, <accpt-rpbl-nonrpbl-entry>, <actionreq>, <binarymenu>, <choice>, <compnt-assem-entry>, <crit.insp-group>, <ctrlinddesc>, <ctrlindrow>, <decalinfo>, <defect-group>, <defect-row>, <diagnostic>, <diagnostic_initial>, <dialog>, <dialog-alt>, <dialog-group>, <dialog-message>, <evaluate>, <fillin>, <flyable>, <formchart>, <intermediate>, <inventoriable>, <link>, <loaddesc>, <manuindx>, <menu>, <mobil-entry>, <mobilreq>, <mrpl-entry>, <oipitem>, <opertsk>, <opunutsk>, <orsch.entry>, <orsch.interval.entry>, <para0>, <pecul.insp-entry>, <pecul.insp-group>, <pmcs-entry>, <pmcsproc>, <pmcsstep1>, <pmcsstep2>, <pmcsstep3>, <pmcsstep4>, <pmi.pecul-entry>, <pmi.pecul-row>, <prdinv>, <proc>, <security>, <short>, <statemanipulation>, <step1>, <step2>, <step3>, <step4>, <step5>, <step6>, <stowinfo>, <subpara1>, <subpara2>, <subpara3>, <subpara4>, <testwithoutstate>, <testwithstate>, <testwithstate-alt>, <torqueval>, <tsindx.messageword-category>, <tsindx.messageword-entry>, <tsindx.symptom-category>, <tsindx.symptom-entry>, <tsindx.system-category>, and <tsindx.system-entry>***

OPTIONAL ATTRIBUTE(S)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.

DECLARED VALUE: ID Reference (one or more)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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%bodyatt; *Body with No ID – **Attribute Set***

Identifies a set of attributes (ID references and skill levels) applying to many body elements, but excludes an ID.

ELEMENT USED IN: ***%wpatt;, <address>, <boi>, <condition>, <ctrlind-val>, <dwgname>, <dwgno>, <function>, <graphic>, <icon-set>, <initial_setup>, <lubricant>, <modification>, <mos>, <name>, <promulgation>, <qty>, <qty_per_end_item>, <reason>, <sfty-icons>, <smr>, <subtitle>, <torque>, and <voltage>***

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%refs; Any of the attributes in the associated attribute set may be used with this element. Refer to refs for a complete description.

skilltrk Designation of the skill level of the user at which the current element of information is aimed. A particular set of values common to all documents has not been created. Currently, the relevant values are set by contract.

DECLARED VALUE: Any character

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

%bodyidatt; *Body with ID – **Attribute Set***

Identifies a set of attributes (ID, ID references and skill levels) applying to many body elements.

ELEMENT USED IN: ***%applidatt;, %frameatt;, %imatt;, %stdinfoatt;, <aal-entry>, <abbrev>, <accept>, <action>, <answer>, <authorize_to_destroy>, <avmac>, <avmac-group-2lvl>, <bdar-combat-threat>, <bdar-limitation>, <bdar-manuitem>, <bdar-mtrl-tools>, <bdar-persn>, <bdar-persn-item>, <bdar-repair>, <bdar-repair-option>, <bdar-repair-proc>, <bdar-std-practices>, <bdar-task-resp>, <bii>, <bii-category>, <bii-entry>, <bii-opt>, <bii-opt-entry>, <biitab>, <calref>, <caution>, <caution.group>, <checkstep>, <chgsheet>, <chklist>, <ckremarks>, <coei>, <coei-category>, <coei-entry>, <coei-opt>, <coei-opt-entry>, <coeitab>, <comp-item>, <comp-locator>, <compassem>, <compchklist>, <component_spares>, <copyrt>, <cost>, <coverpage>, <cpcdata>, <criteria>, <csi>, <csi-entry>, <csi.tab>, <csireq>, <ctrlind>, <ctrlindproc>, <dataitem>, <dcpno>, <deflist>, <demil_qar>, <desc>, <descproc>, <destructmat>, <deviation>, <disposition>, <ecp>, <eir>, <entry>, <eqpdata>, <eqpdesc>, <eqpdiff>, <eqpinfo>, <eqpitem>, <equipment>, <erc>, <essential_spares>, <expdur-category>, <expdur-entry>, <explist>, <faultcode>, <faultproc>, <faultreports>, <figure>, <first_aid>, <flowchart>, <fluid.leakage>, <fnccode>, <fncgrp>, <fnctitle>, <funcdepend>, <general_destruct_info>,***

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<groupno>, <handreceipt>, <harness-indx>, <haz-icons>, <hazard>, <hazdesc>, <hazid>, <hazmat>, <hcp>, <help.info>, <illno>, <indication>, <inlinegraphic>, <instructplt>, <interaction>, <interconnect>, <intro>, <item>, <kititem>, <loa>, <locdesc>, <logicproc>, <lruthry>, <mac>, <mac-group-2lvl>, <maintenance_qar>, <malfunc>, <manuitem>, <material-list>, <memdata>, <memloc>, <messageindx>, <messageitem>, <mfrr>, <mfrr.para>, <mobreq>, <mrplpart>, <muxproc>, <nomenreflist>, <note>, <note.group>, <nsnindx>, <nsnindxrow>, <odsdata>, <opcheck>, <opcheck-tsproc>, <opcheckproc>, <para>, <pecul.step-entry>, <pi.category>, <pmcspara>, <pnindx>, <pnindxrow>, <proponent>, <pshopanal>, <pssref>, <pubident>, <publist>, <qainfo>, <qual.mat.info>, <randlist>, <rcrr>, <reasonfortest>, <refdes>, <refdesindx>, <refdesindxrow>, <remarks>, <remarktab>, <report_destruct>, <reporting>, <reporting.para>, <resource_recovery>, <row>, <safety>, <schematic>, <scope>, <seqlist>, <sfty_req>, <sftydesc>, <sftyinfo>, <sigfunc>, <signal-item>, <signame>, <special_sfty>, <specpara>, <sruthry>, <ssysthry>, <supdata>, <symbol>, <symptom>, <sysdesc>, <systhry>, <tabdata>, <tereqtab>, <testflow>, <testproc>, <thryproc>, <title>, <titleblk>, <tool-category>, <tool-entry>, <toolidlist>, <toolno>, <trim.para>, <tsproc>, <warninfo>, <warning>, <warning.group>, <weightinst>, <wireid>, <wiringdiag>, <work_planning>, and <wrntyref>

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%idrefs; Any of the attributes in the associated attribute set may be used with this element. Refer to idrefs for a complete description.

skilltrk Designation of the skill level of the user at which the current element of information is aimed. A particular set of values common to all documents has not been created. Currently, the relevant values are set by contract.

DECLARED VALUE: Any character

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

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%changelevel; *Change Level – **Attribute Set***

Identifies the change type and level, any additional comments, and reference link to revision summary change.

ELEMENT USED IN: ***%bodyatt;, %bodyidatt;, %setupatt;, <acceptance>, <certreq>, <change>, <city>, <country>, <definitions>, <email>, <eqpnotavail>, <first>, <frntcover>, <frntcover_abbreviated>, <ftnpara>, <homepage>, <inprocess>, <internet>, <legend>, <legend.item>, <loadlist>, <nonrepairable>, <phone>, <prtitle>, <quality_program>, <repairable>, <responsibility>, <servbranch>, <specialreq>, <state>, <stitle>, <street>, <subfig>, <subject>, <sysnomen>, <titlepg>, <tminfono>, <tmno>, <tmtitle>, <verbatim>, and <zip>***

OPTIONAL ATTRIBUTE(S)

inschlvl Insert change level.
DECLARED VALUE: Any character

delchlvl Deletion change level
DECLARED VALUE: Any character

comment Additional information or comments.
DECLARED VALUE: Any character

changeref Link to the revision summary change information.
DECLARED VALUE: ID Reference (one or more)

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%frameatt;	*Frame Break – **Attribute Set***
	Identifies where possible frame breaks may occur in an IETM.
ELEMENT USED IN:	***<aal>, <aal-category>, <geninfo>, and <pms-geninfo>***
OPTIONAL ATTRIBUTE(S)	
frame	Indicates to the IETM system the author's intends a frame break at this element.
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	no
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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%graphicatt; *Graphic – **Attribute Set***

Attributes in this set supply common graphical properties necessary to present the image.

ELEMENT USED IN: ***<authent>, <graphic>, <icon-set>, <inlinegraphic>, and <symbol>***

REQUIRED ATTRIBUTE(S)

boardno The entity name containing the reproducible graphics, such as the metric conversion chart.
DECLARED VALUE: Pointer

OPTIONAL ATTRIBUTE(S)

reprodep Specifies the illustration depth or length.
DECLARED VALUE: Any character

reprowid Specifies the illustration width.
DECLARED VALUE: Any character

hscale Specifies the horizontal scaling factor for scaling the graphic; not used if "scalefit='yes'".
DECLARED VALUE: Any character

vscale Specifies the vertical scaling factor for scaling the graphic; not used if "scalefit='yes'".
DECLARED VALUE: Any character

scalefit Specifies that the graphic is to be scaled as needed to fit the size of the reproduction area.
DECLARED VALUE: "yes" or "no"

alt Narrative to identify the graphic.
DECLARED VALUE: Any character

%graphicunit; Any of the attributes in the associated attribute set may be used with this element. Refer to graphicunit for a complete description.

%graphicunit; *Graphic Unit of Measure – **Attribute Set***

Defines what measurement units were used for the graphic dimension.

ELEMENT USED IN: ***%graphicatt;, <back>, <map.circle>, and <map.coord>***

OPTIONAL ATTRIBUTE(S)

unitmeasure Defines the graphic dimensions unit of measure.
DECLARED VALUE: List (Millimeter (mm), Centimeter (cm), Pixel (px), Inch (in), Point (pt), Pica (pi))
DEFAULT VALUE = in

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%hcpesd; *Nuclear Hardness and Electrostatic Discharge Markings – **Attribute Set***

Marking attributes which specify a task or steps in a procedure relates to establishing nuclear hardness or could damage electrostatic discharge sensitive parts.

ELEMENT USED IN: ***%taskatt;, <flyable>, <formchart>, <intermediate>, <para>, <para0>, <pmcsproc>, <pmcsstep1>, <pmcsstep2>, <pmcsstep3>, <pmcsstep4>, <proc>, <short>, <specpara>, <step1>, <step2>, <step3>, <step4>, <step5>, <step6>, <subpara1>, <subpara2>, <subpara3>, <subpara4>, and <trim.para>***

OPTIONAL ATTRIBUTE(S)

hcp Marks the task or a step in a procedure relating or contributing to establishing nuclear hardness.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = no

esd Marks a task or a step in a procedure relating to handling or maintenance actions which could damage electrostatic sensitive parts.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = no

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%idrefs; *References with ID – **Attribute Set***

Attributes in this set supply identifiers for the current element and references to other element's identifiers.

ELEMENT USED IN: ***%bodyidatt;, <contententry>, <indexentry>, <pageno>, and <rear>***

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

idref References one or more identifiers; the use of this attribute must be specified in the style sheet as it has no implied or default use.

DECLARED VALUE: ID Reference (one or more)

assocfig A reference to a figure or figures associated with the current element; generally best applicable to text elements.

DECLARED VALUE: ID Reference (one or more)

%imatt; *Information Module Resource Values – **Attribute Set***

These attributes specify format and content characteristics that apply to the information module as a whole. The attributes are not inherited from one IM to another; however, the attributes at the IM level override the same attributes at the TM level.

ELEMENT USED IN: ***<baim>, <bim>, <brim>, <dim>, <gim>, <mim>, <opim>, <pim>, <sim>, and <tim>***

OPTIONAL ATTRIBUTE(S)

chap-toc Specifies whether the chapter includes a table of chapter contents on the chapter title page; the style sheet for the Information Module specifies what contents are extracted to this TOC. A yes value indicates that a TOC should be extracted and printed.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = yes

revno IM revision number.

DECLARED VALUE: Any character

frame Indicates to the IETM system the authors intended Frame break.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = yes

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chngno	Change number level of the information module.
DECLARED VALUE:	Any character
tocentry	Defines the indenture level in the TOC. When the level is zero, no entry in the TOC is used.
DECLARED VALUE:	List (0, 1, 2)
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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%paper.size; *TM Paper Size* – ***Attribute Set***

Defines the intended TM paper size. The paper size effects mostly tables and figures elements since these items may be designed for specific size.

ELEMENT USED IN: ***<bdar>, and <paper.manual>***

OPTIONAL ATTRIBUTE(S)

fit.paper.size Intended paper size for the page-base TM.

DECLARED VALUE: List (pocket | logbook | standard | double)

DEFAULT VALUE = standard

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%qa; *Quality Assurance – **Attribute Set***

Depot and aviation maintenance procedures which have a major quality assurance effect shall be identified by the attribute QA at the step level.

ELEMENT USED IN: ***<oipitem>, <pmcsstep1>, <pmcsstep2>, <pmcsstep3>, <pmcsstep4>, <step1>, <step2>, <step3>, <step4>, <step5>, and <step6>***

OPTIONAL ATTRIBUTE(S)

qa Specifies whether or not the step in the procedure has a major quality assurance effect; a yes value indicates that it does.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = no

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%refs; *References without ID – **Attribute Set***

Attributes in this set supply references to other element's identifiers and figures.

ELEMENT USED IN: ***%bodyatt;, <itemno>, <partcage>, and <partno>***

OPTIONAL ATTRIBUTE(S)

idref References one or more identifiers; the use of this attribute must be specified in the style sheet as it has no implied or default use.

DECLARED VALUE: ID Reference (one or more)

assocfig A reference to a figure or figures associated with the current element; generally best applicable to text elements.

DECLARED VALUE: ID Reference (one or more)

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%secur; *Security Classification – **Attribute Set***

Defines an element's security classification level. When no attribute is set, it defaults to the ancestor security classification level. If no ancestor has specified the security classification level, the level is system determined, generally unclassified.

ELEMENT USED IN: ***%bodyatt;, %bodyidatt;, <bdar>, <contententry>, <destruction_manual>, <extref>, <figure-alt>, <follow-on>, <framed.manual>, <frntcover>, <frntcover_abbreviated>, <indexentry>, <loadlist>, <messageword>, <paper.manual>, <pmc>, <pmi>, <pms>, <portionmark>, <prtitle>, <servbranch>, <stitle>, <subject>, <sys-ts>, <sysnomen>, <table-alt>, <tminfono>, <tmno>, <tmtitle>, <wpno>, and <xref>***

OPTIONAL ATTRIBUTE(S)

security Element security level.
DECLARED VALUE: List (Unclassified (uc), FOUO (fouo), Confindental (c), Secret (s), and Top Secret (ts))

%setupatt; *Initial Setup – **Attribute Set***

Defines a ID for each initial setup item. The concept is to use only the data identified in setup and cross-reference to the initial setup for the value. This is to increase reusability when a work package is shared with multiple systems. When using a work package in different weapon system exchange the initial setup data for the weapon system, but maintaining the same identifiers from the previous system.

ELEMENT USED IN: ***<dwgreq-setup-item>, <eqpconds-setup-item>, <mtrlpart-setup-item>, <persnreq-setup-item>, <ref-setup-item>, <specenv-setup-item>, <testeqp-setup-item>, and <tools-setup-item>***

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.
DECLARED VALUE: ID Reference (one or more)

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%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.
%stdinfoatt;	*Standard Information – **Attribute Set*** Defines common attributes associated to standard information. MIL-STD-40051-1A and MIL-STD-40051-2A states for TOC page-base TMs, the table number and title listed directly below the work package title, so the "tocentry" attribute number should be 1 less the associated work package TOC indenture level.
ELEMENT USED IN:	***<aindx>, <crit.insp.tab>, <ctrlindtab>, <defect.tab>, <foldsect>, <glossary>, <howtouse>, <mobiltab>, <mrpl>, <oiptab>, <orsch.tab>, <pecul.insp.tab>, <pmcstable>, <pmi.pecul.tab>, <pshopchk.tab>, <table>, <tsindx.messageword>, <tsindx.symptom>, <tsindx.system>, and <warnsum>***
OPTIONAL ATTRIBUTE(S)	
applicable	Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.
DECLARED VALUE:	ID Reference (one or more)
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.
tocentry	Defines the indenture level in the TOC. When the level is zero, no entry in the TOC is used.
DECLARED VALUE:	List (0, 1, 2, 3, 4, 5)
DEFAULT VALUE =	1

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%taskatt; *Task – **Attribute Set***

Defines common attributes for all tasks.

ELEMENT USED IN: ***<adjust>, <align>, <alignproc>, <ammo.defect>, <arm>, <assem>, <calibration>, <chkeqp>, <clean>, <cover>, <decon>, <degraded>, <disassem>, <disconnect>, <ecm>, <emergency>, <extconn>, <extpwr>, <followon.maintsk>, <fording>, <hoist>, <hookup>, <initial>, <inspect>, <install>, <jack>, <load>, <lube>, <mark>, <moor>, <ndi>, <op_steps>, <oper>, <operaux>, <orsch>, <other.maintsk>, <other.surtsk>, <overhaul>, <pack>, <paint>, <park>, <pis>, <precal>, <prechkadj>, <prepforuse>, <prepmove>, <preserv>, <processeqp>, <pss>, <rebuild>, <remove>, <repair>, <replace>, <ris>, <secref>, <service>, <setconn>, <shelter>, <shltr>, <site>, <siting>, <sling>, <softwaremaint>, <test>, <tow>, <unload>, <unpack>, and <unusualenv>***

OPTIONAL ATTRIBUTE(S)

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

frame Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = yes

tocentry Defines the indenture level in the TOC. When the level is zero, no entry in the TOC is used.
DECLARED VALUE: List (0, 3, 4, 5)
DEFAULT VALUE = 0

date-time-stamp How should the work package stamp be tracked for completion as time only, date only or time and date.
DECLARED VALUE: List (date, time, date-time)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%tracking_att; *Tracking – **Attribute Set***

Identifies work package information about the work package for tracking usage and change levels. Identify the WP functional group code and LSA identifier. Identify, page-base only, if the WP is inserted between existing WP in a TM through a point WP sequence number, or if the WP is deleted in the TM (to maintain the correct WP sequence number for auto-generated numbers).

ELEMENT USED IN: ***%wpatt;***

OPTIONAL ATTRIBUTE(S)

fgc Specifies the functional group code that applies to the subject of the element.
DECLARED VALUE: Any character

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lsa-id	Specifies the identification of the subject of the element in logistic support analysis applying to the equipment covered in the TM.
DECLARED VALUE:	Any character
wpseq	Identifies the work package sequence number in a paper composition system. The attribute is not used and ignored in a frame-base/IETM.
DECLARED VALUE:	Any character
insertwp	Specifies the work packages is being inserted into a revision. The insertwp attribute specifies the point WP number for paper. The work package must be added after the last inserted work package or between two existing work packages in a revision. After a revision is completed, the attribute is cleared and is re-sequenced in the correct order.
DECLARED VALUE:	Any character
deletewp	Specifies a work package is deleted from the current revision. Needed to keep placeholder for page-based work package sequence numbering. After a revision is completed, the work package is deleted from the assembly.
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	no

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%wpatt; *Work Package – **Attribute List***

Common attributes that defines the work package through WP identification number, crew members needed, frame indicator, only applicable for selected service(s), and change tracking.

ELEMENT USED IN: ***<aalwp>, <ammo.markingwp>, <ammowp>, <auxeqpwp>, <bdar-geninfowp>, <bdartoolswp>, <bulk_itemswp>, <coeibiiwp>, <compchklistwp>, <csi.wp>, <ctrlindwp>, <damage-assesswp>, <descwp>, <destruct-introwp>, <destruct-materialwp>, <diagnosticwp>, <dmwr_introwp>, <dmwr_operationalreqwp>, <dmwr_qarwp>, <emergencywp>, <eqploadwp>, <explistwp>, <facilwp>, <gen.maintwp>, <genrepairwp>, <genwp>, <ginfowp>, <introwp>, <inventorywp>, <kitswp>, <lubewp>, <macintrowp>, <macwp>, <maintwp>, <manu_items_introwp>, <manuwp>, <mobilwp>, <mrplwp>, <natowp>, <nsnindxwp>, <oipwp>, <opcheck-tswp>, <opcheckwp>, <opunuwp>, <opusualwp>, <orschwp>, <perseqpwp>, <plwp>, <pm-ginfowp>, <pmcsintrowp>, <pmcswp>, <pmi-cklistwp>, <pmiwp>, <pms-ginfowp>, <pms-inspecwp>, <pnindxwp>, <pshopanalwp>, <qawp>, <refdesindxwp>, <refwp>, <stl_partswp>, <stlwp>, <storagewp>, <stowagewp>, <substitute-matwp>, <supitemwp>, <surwp>, <techdescwp>, <thrywp>, <toolidwp>, <torquewp>, <tsindxwp>, <tsintrowp>, <tswp>, <wiringwp>, and <wtloadwp>***

REQUIRED ATTRIBUTE(S)

wpno Work package unique identification number IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

DECLARED VALUE: ID

OPTIONAL ATTRIBUTE(S)

crewmember The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.

DECLARED VALUE: Any character

tocentry Defines the indenture level in the TOC. When the level is zero, no entry in the TOC is used.

DECLARED VALUE: List (2, 3, 4, 5)

date-time-stamp How should the work package stamp be tracked for completion as time only, date only or time and date.

DECLARED VALUE: List (date, time, date-time)

frame Indicates to the IETM system the authors intended Frame break.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = yes

%wprsrc-vals; Any of the attributes in the associated attribute set may be used with this element. Refer to wprsrc-vals for a complete description.

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%tracking;	Any of the attributes in the associated attribute set may be used with this element. Refer to tracking for a complete description.
%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

%wplevel; *Work Package Lowest Maintenance Level – **Attribute Set***

Defines the available maintenance levels for a work package.

ELEMENT USED IN: ***<maintlvl>***

REQUIRED ATTRIBUTE(S)

level The lowest maintenance level allowed to use the work package.
DECLARED VALUE: List (%maintlevel;)

%wprsrc-vals; *Service Only Work Package – **Attribute Set***

These attributes are used to specify if the work package is specifically only for one or more services in a joint publications. If all the services designated for the TM all attributes remain at the default state of "no".

ELEMENT USED IN: ***%wpatt;***

OPTIONAL ATTRIBUTE(S)

army United States Army.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

airforce United States Air Force.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

navy United States Navy.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

marines United States Marine Corps
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

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%alert; *Alerts* – ***Element Set***

The entity contains elements to identify information of sufficient importance or hazardousness to be contained in a warning, caution, or note.

ELEMENT USED IN: ***<action>, <bdar-manuitem>, <chkeqp>, <ctrlindwp>, <faultproc>, <faultreports>, <logicproc>, <lubeorder>, <manuitem>, <messageindx>, <mobilwp>, <muxproc>, <oiptab>, <oipwp>, <opcheck>, <opcheck-tsproc>, <origin>, <pmcstable>, <pmi-cklistwp>, <pmiwp>, <pms-inspecwp>, <proc>, <pshopanalwp>, <testblock>, <testwithoutstate>, <testwithstate>, %ammo_ent;, and %wpsetup;***

CONTENT MODEL IS: (***warning****, ***csi.alert****, ***caution****, ***note****)

%ammo_ent; *Common Ammunition Tasks* – ***Element Set***

Common maintenance tasks used Ammunition Markings and NATO Ammunition Work Packages.

ELEMENT USED IN: ***<ammo.markingwp>, and <natowp>***

CONTENT MODEL IS: "(***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***%alert;***, ***geninfo***?, (***mark*** | ***unpack*** | ***pack*** | ***ammotype***))">

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%binop; *Binary Operations* – ***Element Set***

Operations that require two state (variable) informations to be evaluated. Allowable Boolean operators (equal to, not equal to, less than, greater than, less than equal to, greater than equal to, and, or, exclusive or, is substring within a string) and mathematical operators (addition, subtraction, multiplication, division, integer division, modulus division, exponent, log inverse (e^x)), and string operators (concatenate two string)

ELEMENT USED IN: ***<expression>***

CONTENT MODEL IS: ***eq*** | ***ne*** | ***lt*** | ***gt*** | ***le*** | ***ge*** | ***and*** | ***or*** | ***xor*** | ***concat*** | ***substring*** | ***plus*** | ***minus*** | ***times*** | ***divide*** | ***exponent*** | ***exp*** | ***idivide*** | ***modulus***

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%chkeqpstdinfo; *Check Equipment Standard Information* – ***Element Set***

Defines the possible check equipment standard information for Service Upon Receipt Work Package. The two standard informations are Criteria Inspection and Checking Unpacked Equipment Components .

ELEMENT USED IN: ***<chkeqp>***

CONTENT MODEL IS: (***crit.insp.tab*** | ***pecul.insp.tab***)*

%commondistreason; *Common Distribution Reason* – ***Element Set***

List the common reason for distribution restriction state for B through X. The reasons are foreign government information, software documentation, critical technical information, and administrative or operational use, and special authority.

ELEMENT USED IN: ***<b.statement>, <c.statement>, <d.statement>, and <e.statement>***

CONTENT MODEL IS: ***frgngvt*** | ***softwaredoc*** | ***crittech*** | ***adminops*** | ***specauth***

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%data; *Linking Data Building Block* – ***Element Set***

Additional referencing building block elements needed for other elements.

ELEMENT USED IN: ***<accept>, <change>, <condition>, <ctrlind>, <eqpitem>, <name>, and %text_ent;***

CONTENT MODEL IS: ***%linkdata;*** | ***callout*** | ***ftnote*** | ***ftnref***

%diagnostic-test_ent; *Diagnostic Test*

Defines the available diagnostic functions to perform.

ELEMENT USED IN: ***<testwithstate>***

CONTENT MODEL IS: ***comp-locator*** | ***diagnostic_initial*** | ***diagnostic_initial-alt*** | ***diagnostic_group*** | ***interaction***

%dialog_ent; *Dialog Box (Conditional)* – ***Element Set***

Defines that either a non-conditional or conditional dialogs. A conditional element must resolve to only none or one condition (using state information variable) is true.

ELEMENT USED IN: ***<interaction>, <loopaction>, and <variable>***

CONTENT MODEL IS: ***dialog*** | ***dialog-alt***

%disconnect_ent; *Test Equipment Disconnection (Conditional)* – ***Element Set***

Defines that either a non-conditional or conditional test equipment disconnection procedures. A conditional element must resolve to only none or one condition (using state information variable) is true.

ELEMENT USED IN: ***<resultwithoutstate>, and <resultwithstate>***

CONTENT MODEL IS: ***disconnect*** | ***disconnect-alt***+

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%extref_ent;	*External Reference* – ***Element Set***
	Define the common external TM referencing elements. The ***<link>*** element provides greater IETM functionality, then ***<extref>***.
ELEMENT USED IN:	***<lube-refs>, <pi.item>, <pubident>, and <tool-entry>***
CONTENT MODEL IS:	***extref*** | ***link***

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%figtab; *Figure and Tables*

Allows for the selection of the figure, conditional figure, table, or conditional table.

ELEMENT USED IN: ***<gen.maintwp>, <step1>, <step2>, <step3>, <step4>, <step5>, <step6>, %step;, and %titldtext;***

CONTENT MODEL IS: ***figure*** | ***figure-alt*** | ***table*** | ***table-alt***

%format; *Format* – ***Element Set***

Defines the primary formatting text elements.

ELEMENT USED IN: ***<checked>, <dwgname>, <messageline>, <posttext>, <pretext>, <prompt>, <refdes>, <servnomen>, <sig>, <stitle>, <subject>, <subtitle>, <term>, <text>, <weapons_system>, and %linkdata;***

CONTENT MODEL IS: #PCDATA | ***emphasis*** | ***subscrpt*** | ***supscrpt***

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%hookup_ent;	*Test Equipment Hookup (Conditional)* – ***Element Set***
	Defines that either a non-conditional or conditional test equipment hookup procedures. A conditional element must resolve to only none or one condition (using state information variable) is true.
ELEMENT USED IN:	***<testwithstate>***
CONTENT MODEL IS:	***hookup*** | ***hookup-alt***+

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%linkdata; *Reference Building Block* – ***Element Sets***

The element contains entities for formatting and referencing elements, and specialized referencing elements.

ELEMENT USED IN: ***<ftnpara>, and %data;***

CONTENT MODEL IS: ***%format;*** | ***%linkref;*** | ***help.info*** | ***indxref*** | ***term*** | ***term.def***

%linkref; *Linking Reference* – ***Element Set***

Defines common internal or external TM referencing elements. The ***<link>*** element provides greater IETM functionality, then the elements ***<xref>*** or ***<extref>***.

ELEMENT USED IN: ***<dwgname>, <itemref>, <refdes>, <ref-setup-item>, <term>, <text>, <tsindx.messageword-entry>, <tsindx.symptom-entry>, <tsindx.system-entry>, and %linkdata;***

CONTENT MODEL IS: ***xref*** | ***extref*** | ***link***

%list; *List* – ***Element Set***

Defines the list types as sequenced (order/number), random (bullet), and definition.

ELEMENT USED IN: ***<entry>, <ftnpara>, <indication>, and <para>***

CONTENT MODEL IS: ***seqlist*** | ***randlist*** | ***deflist***

%localref; *Local Reference* – ***Element Set***

Define the common internal TM referencing elements. The ***<link>*** element provides greater IETM functionality, then ***<xref>***.

ELEMENT USED IN: ***<defect-group>, <faultcode>, <faultproc>, <follow-on>, <help.info>, <messageitem>, and <mobil-entry>***

CONTENT MODEL IS: ***xref*** | ***link***

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%mimsupport; *Maintenance Support Data* – ***Element Set***

The content model with common maintenance supporting work packages of Illustrated of Manufactured Items, Torque, Aircraft Inventory, Storage, Weight Load Plan, and Wiring Diagram.

ELEMENT USED IN: ***<auxiliarycategory>, <maintenancecategory>, and <maintenancepmcscategory>***

CONTENT MODEL IS: (***manu_items_introwp***, ***manuwp***+)? , ***torquewp***? , ***wiringwp****

%misc; *Miscellaneous* – ***Element Set***

Defines elements that identify values, such as lubricants, voltage, etc.

ELEMENT USED IN: ***<change>, and %text_ent;***

CONTENT MODEL IS: ***ctrlind*** | ***ctrlind-val*** | ***dodac*** | ***lubricant*** | ***symbol*** | ***torque*** | ***voltage*** | ***null***

%mixparagraph; *Mix Titled Paragraph* – ***Element Set***

Identifies text that has a mandatory title and needs to use titled paragraphs/subparagraphs.

ELEMENT USED IN: ***<comp-item>, <decalinfo>, <eqpdata>, <eqpdesc>, <geninfo>, <locdesc>, and %titldtext;***

CONTENT MODEL IS: (((***note**** , ***para***)+ , (***%para0_ent;***)*) | (***%para0_ent;***)+)

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%optdwgreq; *Initial Setup Optional Items After Drawing Requirement* – ***Element Set***

Methodology to require at least one initial setup item. When drawing requirement is required, then the remaining initial setup items are optional.

ELEMENT USED IN: ***<initial_setup>, and %optspecenv;***

CONTENT MODEL IS: ***time.to.comp***?

%opteqpconds; *Initial Setup Optional Items After Equipment Conditions* – ***Element Set***

Methodology to require at least one initial setup item. When equipment condition is required, then the remaining initial setup items are optional.

ELEMENT USED IN: ***<initial_setup>, and %optref;***

CONTENT MODEL IS: ***specenv***? , ***%optspecenv;***

%optmtrlpart; *Initial Setup Optional Items After Material/Parts* – ***Element Set***

Methodology to require at least one initial setup item. When material/part is required, then the remaining initial setup items are optional.

ELEMENT USED IN: ***<initial_setup>, and %opttools;***

CONTENT MODEL IS: ***persnreq***? , ***%optpersnreq;***

%optpersnreq; *Initial Setup Optional Items After Personnel Requirements* – ***Element Set***

Methodology to require at least one initial setup item. When personnel requirement is required, then the remaining initial setup items are optional.

ELEMENT USED IN: ***<initial_setup>, and %optmtrlpart;***

CONTENT MODEL IS: ***ref***? , ***%optref;***

%optref; *Initial Setup Optional Items After References* – ***Element Set***

Methodology to require at least one initial setup item. When reference is required, then the remaining initial setup items are optional.

ELEMENT USED IN: ***<initial_setup>, and %optpersnreq;***

CONTENT MODEL IS: ***eqpconds***? , ***%opteqpconds;***

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%optspecenv; *Initial Setup Optional Items After Special Environment* – ***Element Set***

Methodology to require at least one initial setup item. When special environment is required, then the remaining initial setup items are optional.

ELEMENT USED IN: ***<initial_setup>, and %opteqpconds;***

CONTENT MODEL IS: ***dwgreq***? , ***%optdwgreq;***

%opttesteqp; *Initial Setup Optional Items After Test Equipment* – ***Element Set***

Methodology to require at least one initial setup item. When test equipment is required, then the remaining initial setup items are optional.

ELEMENT USED IN: ***<initial_setup>***

CONTENT MODEL IS: ***tools***? , ***%opttools;***

%opttools; *Initial Setup Optional Items After Tools and Special Tools* – ***Element Set***

Methodology to require at least one initial setup item. When tool and special tool is required, then the remaining initial setup items are optional.

ELEMENT USED IN: ***<initial_setup>, and %opttesteqp;***

CONTENT MODEL IS: ***mtrlpart***? , ***%optmtrlpart;***

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%p; *Paragraph Type* – ***Element Set***

Identifies the type of paragraph whether it is a paragraph associated with warnings, cautions, or notes; or a text paragraph only.

ELEMENT USED IN: ***<action>, <ammotype>, <bdar-manuitem>, <chkeqp>, <fluid.leakage>, <howtouse>, <indication>, <manuitem>, <pmcspara>, <pmcsstep1>, <pmcsstep2>, <pmcsstep3>, <pmcsstep4>, <step1>, <step2>, <step3>, <step4>, <step5>, and <step6>***

CONTENT MODEL IS: ***para*** | ***specpara***

%para0_ent; *Titled Paragraph Levels (Conditional)* – ***Element Set***

Defines that either a non-conditional or conditional titled paragraph.A conditional element must resolve to only none or one condition (using state information variable) is true.

ELEMENT USED IN: ***<component_spares>, <essential_spares>, <facilwp>, <formchart>, <general_destruct_info>, <help.info>, <howtouse>, <pmcsintrowp>, <tsintrowp>, %mixparagraph;, and %titldtextproc;***

CONTENT MODEL IS: ***para0*** | ***para0-alt***+

%partid; *Part Number and CAGE Code* – ***Element Set***

Defines the when a part number is entered, then the CAGE Code is required.

ELEMENT USED IN: ***<applic>, <orsch.interval.entry>, and <systemnomen>***

CONTENT MODEL IS: (***partno*** , ***cageno***)

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%statemanipulation_ent; *State (Variable) Information Manipulation (Conditional)* – ***Element Set***

Defines that either a non-conditional or a conditional state (variable) information is manipulated. A conditional element must resolve to only none or one condition (using state information variable) is true.

ELEMENT USED IN: ***<choice>, <diagnostic_initial>, <diagnosticwp>, <dialog>, <initialcount>, <interaction>, <loop>, <loopfor>, <loopaction>, <nostate>, <para>, <resultwithstate>, <testwithstate>, and <yesstate>***

CONTENT MODEL IS: ***statemanipulation*** | ***statemanipulation-alt***

%step; *Step (Conditional)* – ***Element Set***

Defines that either a non-conditional or conditional first level step. A conditional element must resolve to only none or one condition (using state information variable) is true.

ELEMENT USED IN: ***<action>, <checkstep>, <completed_test>, <follow-on>, <indication>, <pecul.step-entry>, <pmi.pecul-entry>, <proc>, <testwithoutstate>, and <testwithstate>***

CONTENT MODEL IS: (***%figtab;***) | ***step1*** | ***step1-alt***

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%text_ent; *Common Textual* – ***Element Set***

Defines common textual elements and change element.

ELEMENT USED IN: ***<acceptqual>, <actionreq>, <answer>, <badtext>, <boi>, <ckremarks>, <compname>, <criteria>, <damage>, <desc>, <emphasis>, <entry>, <fnctitle>, <function>, <hazid>, <interval.notes>, <malfunc>, <nonrepairable>, <oktext>, <possibletext>, <reason>, <recfrom>, <refdes>, <remarks>, <repairable>, <symptom>, <title>, and %trimcontent;***

CONTENT MODEL IS: ***%data;*** | ***%misc;*** | ***change***

%titldtext; *Title Text* – ***Element Set***

Identifies text that has a mandatory title and need to use titled paragraphs/subparagraphs.

ELEMENT USED IN: ***<abbrev>, <acceptance>, <bdar-combat-threat>, <bdar-std-practices>, <bdar-task-resp>, <calref>, <certreq>, <copyrt>, <cost>, <cpcdata>, <csireq>, <destructmat>, <deviation>, <ecp>, <eir>, <eqpdiff>, <first>, <first_aid>, <funcdepend>, <handreceipt>, <harness-indx>, <hcp>, <inprocess>, <interconnect>, <introwp>, <inventoriable>, <loa>, <lruthry>, <mobreq>, <modification>, <nomenreflist>, <odsdata>, <prdinv>, <pssref>, <qainfo>, <qual.mat.info>, <quality_program>, <reasonfortest>, <responsibility>, <schematic>, <scope>, <security>, <sftyinfo>, <specialreq>, <sruthry>, <ssysthry>, <substitute-matwp>, <supdata>, <sysdesc>, <systhry>, <testflow>, <wireid>, and <wrntyref>***

CONTENT MODEL IS: (***title*** , (***%figtab;***)* , ***%mixparagraph;***)

%titldtextproc; *Title Text or Procedures* – ***Element Set***

Identifies text that has a mandatory title and needs to use titled paragraphs/sub-paragraphs, procedural steps or procedures with at least one required.

ELEMENT USED IN: ***<genwp>, and <weightinst>***

CONTENT MODEL IS: (***proc*** | (***%para0_ent;***))

%trigop; *Trigonometry Operations* – ***Element Set***

Operations that uses trigonometry functions to be evaluated. Allowable operators are Inverse Cosine, Inverse Sine, Inverse Tangent, Cosine, Cosine Hyperbolic, Cosecant, Cosecant Hyperbolic,

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	Logarithm, Natural Logarithm, Secant, Secant Hyperbolic, Sine, Sine Hyperbolic, Tangent, Tangent Hyperbolic.
ELEMENT USED IN:	***<expression>***
CONTENT MODEL IS:	***arccos*** | ***arcsin*** | ***arctan*** | ***cos*** | ***cosh*** | ***csc*** | ***csch*** | ***log*** | ***ln*** | ***sec*** | ***sech*** | ***sin*** | ***sinh*** | ***tan*** | ***tanh***

%trimcontent;	*Reduced Content* – ***Element Set***
	Defines elements that are reduced elements. The model excludes ***<figure>***, ***<table>***, ***<verbatim>***, and ***<interaction>***.
ELEMENT USED IN:	***<item>, <mfrr.para>, <para>, <reporting.para>, and <trim.para>***
CONTENT MODEL IS:	***%text_ent;*** | ***internet*** | ***proponent*** | ***phone***

%tsdata;	*Troubleshooting Supporting Information* – ***Element Set***
	The troubleshooting work packages supporting information data. The supporting data includes system description, wire interconnection, test flow, functional dependences, schematic, component locator, and wire harness index.
ELEMENT USED IN:	***<diagnosticwp>, <opcheck-tswp>, <opcheckwp>, <testwith-outstate>, and <tswp>***
CONTENT MODEL IS:	(***sysdesc***? , (***interconnect*** | ***testflow*** | ***funcdepend*** | ***schematic*** | ***comp-locator*** | ***harness-indx***)*

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%unop;	*Unary Operations* – ***Element Set***
	Operations that require one state (variable) information to be evaluated. Allowable are Boolean operators (Not, Is variable empty value?, Is variable defined?), mathematical operators (Factorial, Square root, Negate value, Integer truncation, Integer to real), and string operators (Substring, String length).
ELEMENT USED IN:	***<expression>***
CONTENT MODEL IS:	***not*** | ***empty*** | ***factorial*** | ***sqrt*** | ***neg*** | ***trunc*** | ***float*** | ***index*** | ***defined*** | ***size***

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%value; *State Information Values* – ***Element Set***

Allowable state (variable) information value types.

ELEMENT USED IN: ***%variable_ent;, and <variable>***

CONTENT MODEL IS: ***boolean*** | ***string*** | ***real*** | ***integer*** | ***fault***

%variable_ent; *Expression State (Variable) Informations* – ***Element Set***

Defines the possible information types within the expression equations. Allows children of expression, state (variable) information, or constant values

ELEMENT USED IN: ***<expression>***

CONTENT MODEL IS: ***expression*** | ***variableref*** | ***%value;*** | ***nil***

%volumegroup; *Volume Front and Rear Matter* – ***Element Set***

This element contains the contents of the front and rear matter for a volume in a multi-volume manual.

ELEMENT USED IN: ***<ammo>, <paper.manual>, and <pim>***

CONTENT MODEL IS: (***volume*** | (***vol-rear*** , ***volume***?))?

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%warning_ent; *Warning Model* – ***Element Set***

The content model allows optional warning icons, an optional signal word from hazard warning, and at least one or more reduced paragraph(s)/sequence list(s).

ELEMENT USED IN: ***<warning>, and <warning.group>***

CONTENT MODEL IS: ((***icon-set***+ , ***signalword***?)? , (***trim.para*** , ***seqlist***?)+ | ***seqlist***))

%wpsetup; *WP Heading with Initial Setup* – ***Element Set***

Common WP header, but does require initial setup.

ELEMENT USED IN: ***<diagnosticwp>, and <techdescwp>***

CONTENT MODEL IS: ***wpidinfo*** , ***initial_setup*** , ***%alert;*** , ***geninfo***?

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%ammo-tm; *Select TM Includes Army Ammunition Requirements*

The TM includes Army Ammunition requirements. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%army-tm; *Select TM Includes Army Requirements*

The TM includes Army requirements. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%class-tm; *Select TM Is Classified*

The TM contents classified material. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%coeibiiwp.method-a; *Select COEI/BII Presentation Method A*

The COEI/BII presents the standard information using Method A (all graphic before data). Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%coeibiiwp.method-b; *Select COEI/BII Presentation Method B*

The COEI/BII presents the standard information using Method B (graphics are integrated with the data). Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%dmwr; *Select TM Is A DMWR*

The TM is a DMWR manual. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

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%frame-base; *Select If Frame-Base Manual*

The TM a frame-base (IETM) manual. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%hr.in.ietm; *Select If Hand Receipt in IETM*

The IETM includes Hand Receipts.

SELECTION TEXT: **"**INCLUDE**"**

%hr.own.tm; *Hand Receipt Manual*

The separate Hand Receipt manual is used.

SELECTION TEXT: **"**IGNORE**"**

%introwp.index; *Select If RPSTL Introduction Include Indices*

The TM contain RPSTL indices (NSN, Part Number, and/or Reference Designator). Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%introwp.nsn-index; *Select TM Includes NSN Index Only*

The TM contains RPSTL index for NSN only. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%introwp.nsn_pn-index; *Select TM Includes NSN and Part Number Indices Only*

The TM contains RPSTL indices for NSN, part number and reference designator only. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

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%introwp.nsn_pn_refdes-index; *Select TM Includes NSN, Part Number and Reference Designator Indices Only*

The TM contains RPSTL indices for NSN, part number and reference designator only. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%introwp.nsn_refdes-index; *Select TM Includes NSN and Reference Designator Indices Only*

The TM contains RPSTL indices for NSN and reference designator only. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%introwp.pn-index; *Select TM Includes Part Number Index Only*

The TM contains RPSTL index for part number only. Used for including related boilerplate data. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%introwp.pn_refdes-index; *Select TM Includes Part Number and Reference Designator Indices Only*

The TM contains RPSTL indices for part number and reference designator only. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%introwp.refdes-index; *Select TM Includes Reference Designator Index Only*

The TM contains RPSTL index for reference designator only. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%introwp.RPSTL_manual-tm; *Select TM Is RPSTL Manual Only*

The TM is RPSTL manual only. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

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%introwp.RPSTL_wp-tm; *Select TM Includes RPSTL*

The TM includes RPSTL. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%mac.av-level; *Select TM Using An Aviation MAC*

The MAC is for aviation TMs. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%mac.nonav-level; *Select TM Using Non-Aviation MAC*

The MAC is for non-aviation TMs. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%multi-tm; *Select TM With Two or More Services*

The TM with two or more services. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%nmwr; *Select TM Is A NMWR*

The TM is a NMWR manual. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%non-usmc-tm; *Select TM Does Not Include USMC Requirements*

The TM does not include USMC requirements. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%page-base; *Select If Page-Base Manual*

The TM a page-base manual. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

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%pms_or_pmi-tm; *Select TM Is Preventive Maintenance Services or Phased Maintenance Inspection*

The TM includes Preventive Maintenance Services or Phased Maintenance Inspection requirements. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%single-tm; *Select TM With Single Service*

The TM with a single service. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%toolidwp.common; *Select Tool Identification For Direct Support or Below Maintenance*

The TM is Direct Support or below maintenance level for including tools identification introduction related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%toolidwp.dmwr-nmwr; *Select Tool Identification For Depot Maintenance*

The TM is Depot (DMWR or NMWR) maintenance level for including tools identification introduction related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%unclass-tm; *Select TM Is Unclassified*

The TM contents unclassified material. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

%uoc-list; *Select TM Includes UOC Information*

The TM contents UOC information. Used for including related boilerplate data.

SELECTION TEXT: **"**INCLUDE**"**

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%usaf-tm; *Select TM Includes USAF Requirements*

The TM includes USAF requirements. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%usmc-tm; *Select TM Includes USMC Requirements*

The TM includes USMC requirements. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

%usn-tm; *Select TM Includes USN Requirements*

The TM includes USN requirements. Used for including related boilerplate data.

SELECTION TEXT: **"**IGNORE**"**

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&aalwp.intro; *Introduction – **Additional Authorization List (AAL)***

The verbatim AAL introduction IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (*%page-base;*) or frame-based (IETM) (*%frame-base;*) selectable entity, to generate the correct boilerplate text. Requires filling in the short end item name text entity(*&short.end.item.name;*).

ELEMENT USED IN: *<aalwp>*

BOILERPLATE TEXT: "*<intro frame="no">*

<para0 hcp="no" esd="no">

*<title>*ADDITIONAL AUTHORIZATION LIST (AAL)*<brk/>*IN-TRODUCTION**</title>**

<subpara1 hcp="no" esd="no">

*<title>*Scope**</title>**

*<para hcp="no" esd="no">*This work package lists additional items you are authorized for the support of the *&short.end.item.name;*.**</para>**

</subpara1>

<subpara1 hcp="no" esd="no">

*<title>*General**</title>**

*<para hcp="no" esd="no">*This list identifies items that do not have to accompany the *&short.end.item.name;* and that do not have to be turned in with it. These items are all authorized to you by CTA, MTOE, TDA, or JTA.**</para></subpara1>**

<subpara1 hcp="no" esd="no">

*<title>*Explanation of <![*%frame-base;*[Entries]]><![*%page-base;*[Columns]]> in the AAL**</title>**

<para hcp="no" esd="no"><![*%page-base;*[Column (1)]]><![*%page-base;*[Column (1)]]>National Stock Number (NSN). Identifies the stock number of the item to be used for requisitioning purposes. **</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (2)]]>Description, Part Number/(CAGEC). Identifies the Federal item name (in all capital letters) followed by a minimum description when needed. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (3)]]>Usable On Code. When applicable, gives you a code if the item you need is not the same for different models of equipment.

*&intro.uoc;***</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (4)]]>U/I. Unit of Issue (U/I) indicates the physical measurement or count of

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the item as issued per the National Stock Number<![*%page-base;*[shown in Column (1)]]>.**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (5)]]>Qty Recm. Indicates the quantity recommended.**</para>**

</subpara1></para0></intro>"

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&coeibiiwp.intro; *Introduction* – ***Components of End Items (COEI)/Basic Issued Items (BII)***

The verbatim COEI/BII introduction IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text. Requires selecting COEI/BII method, either method A (***%coeibiiwp.method-a;***) or method B (***%coeibiiwp.method-b;***) selectable entity, to generate the correct boilerplate text. Requires filling in the short end item name text entity(***&short.end.item.name;***).

ELEMENT USED IN: ***<coeibiiwp>***

BOILERPLATE TEXT: **"*<intro frame="no">***

<para0 hcp="no" esd="no">

<title>INTRODUCTION**</title>**

<subpara1 hcp="no" esd="no">

<title>Scope**</title>**

<para hcp="no" esd="no">This work package lists COEI and BII for the ***&short.end.item.name;*** to help you inventory items for safe and efficient operation of the equipment.**</para></subpara1>**

<subpara1 hcp="no" esd="no">

<title>General**</title>**

<para hcp="no" esd="no">The COEI and BII information is divided into the following lists: **</para>**

<para hcp="no" esd="no">Components of End Item (COEI). This list is for information purposes only and is not

authority to requisition replacements. These items are part of the ***&end.item.name;***. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Items of COEI are removed and separately packaged for transportation or shipment only when necessary. Illustrations are furnished to help you find and identify the items.**</para>**

<para hcp="no" esd="no">Basic Issue Items (BII). These essential items are required to place the ***&end.item.name;*** in operation, operate it, and to do emergency repairs. Although shipped separately packaged, BII must be with the ***&end.item.name;*** during operation and when it is transferred between property accounts. Listing these items is your authority to request/requisition them for replacement based on authorization of the end item by the TOE/MTOE. Illustrations are furnished to help you find and identify the items.**</para></subpara1>**

<subpara1 hcp="no" esd="no">

<title>Explanation of <![***%frame-base;***[Entries]]><![***%page-base;***[Columns]]> in the COEI List and BII List **</title>**

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<para hcp="no" esd="no"><![*%page-base;*[Column (1)]]><![*%coeibiiwp.method-a;*[Illus Number. Gives you the number of the item illustrated.]]><![*%coeibiiwp.method-b;*[Item Number. Gives you the reference number of the item listed]]>.**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (2)]]>National Stock Number (NSN)<![*%coeibiiwp.method-b;*[and Illustration]]>. Identifies the stock number of the item to be used for requisitioning purposes<![*%coeibiiwp.method-b;*[and provides an illustration of the item]]>.**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (3)]]>Description, Part Number/(CAGEC). Identifies the Federal item name (in all capital letters) followed by a minimum description when needed. The stowage location of COEI and BII is also included in this entry. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (4)]]>Usable on Code. When applicable, gives you a code if the item you need is not the same for different models of equipment.

*&intro.uoc;***</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (5)]]>U/I. Unit of Issue (U/I) indicates the physical measurement or count of the item as issued per the National Stock Number <![*%frame-base;*[entry]]><![*%page-base;*[shown in Column (2)]]>.**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (6)]]>Qty Rqr. Indicates the quantity required.**</para>**

</subpara1></para0></intro>"

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&end.item.name; *End Item Name*

Full nomenclature for the end item.

ELEMENT USED IN: ***<coeibiiwp.intro>, and &explistwp.explist.intro;***

BOILERPLATE TEXT: "INSERT END ITEM NAME"

&explistwp.explist.intro; *Introduction – **Expendable and Durable List***

The verbatim Expendable and Durable introduction IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text. Requires filling in the lowest maintenance level identifiers text entity (***&explistwp.intro.level;***). Requires filling in the short end item name text entity(***&short.end.item.name;***).

ELEMENT USED IN: ***<explistwp>***

BOILERPLATE TEXT: "***<intro frame="no">***

<para0 hcp="no" esd="no">

<title>EXPENDABLE AND DURABLE ITEMS LIST***<brk/>***INTRODUCTION**</title>**

<subpara1 hcp="no" esd="no">

<title>Scope**</title>**

<para hcp="no" esd="no">This work package lists expendable and durable items that you will need to operate and maintain the ***&end.item.name;***. This list is for information only and is not authority to requisition the listed items. These items are authorized to you by ***<extref docno="CTA 50-970" pretext=", Expendable/Durable Items (Except Medical, Class V Repair Parts, and Heraldic Items)"/>***, ***<extref docno="CTA 50-909" pretext=", Field and Garrison Furnishings and Equipment"/>*** or ***<extref docno="CTA 8-100" pretext=", Army Medical Department Expendable/Durable Items"/>***.**</para></subpara1>**

<subpara1 hcp="no" esd="no">

<title>Explanation of <![***%frame-base;***[Entries]]><![***%page-base;***[Columns]]> in the Expendable/Durable Items List. **</title>**

<para hcp="no" esd="no"><![***%page-base;***[Column (1)]]>Item No. This number is assigned to the entry in the list and is referenced in the narrative instructions to identify the item (e.g., Use brake fluid (<![***%frame-base;***[Expendable/Durable Items List]]><![***%page-base;***[WP 0098]]>, item 5)).**</para>**

<para hcp="no" esd="no"><![***%page-base;***[Column (2)]]>Level. This entry identifies the lowest level of maintenance that requires the listed item: ***&explistwp.intro.level;***</para>**

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<para hcp="no" esd="no"><![*%page-base;*[Column (3)]]>National Stock Number (NSN). This is the NSN assigned to the item which you can use to requisition it.**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (4)]]>Item Name, Description, Part Number/(CAGEC). This column provides the other information you need to identify the item. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (5)]]>U/I. Unit of Issue (U/I) code shows the physical measurement or count of an item, such as gallon, dozen, gross, etc.**</para></subpara1></para0></intro>"**

&explistwp.intro.level; *Lowest Maintenance Level Abbreviations (Editable)* – ***Expendable and Durable List***

In the Expendable and Durable List introduction requires a maintenance level abbreviation used. Remove the abbreviations and definitions not required.

ELEMENT USED IN: *<explistwp>*

BOILERPLATE TEXT: **"**"C = Crew, O = Service/AMC, F = Field/ASB, H = Below Depot, D = Depot**"**

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&ginfowp.cost;

Cost Considerations Text – ***General Information***

The verbatim General Information Work Package Cost Considerations (Depot Only) text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting depot type, either DMWR (*% dmwr;*) or NMWR (*%nmwr;*) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: *<cost>*

BOILERPLATE TEXT: "*<title>*COST CONSIDERATIONS**</title>**

*<para hcp="no" esd="no">*This work requirement shall be the basis for establishing the extent of overhaul while taking into consideration cost facts. A determination shall be made on all subassemblies/assemblies to replace worn or damaged components which are available in supply, if acquisition cost is less than cost to repair and restore to the <![*%dmwr;*[DMWR]]><![*%nmwr;*[NMWR]]> standard. The cost to repair/restore any individual item with an established Maintenance Expenditure Limit (MEL) to the <![*%dmwr;*[DMWR]]><![*%nmwr;*[NMWR]]> standard shall not exceed the MEL, unless a waiver has been approved in accordance with *<extref docno="AMC-R 750-51"/>*. This requirement does not apply to items exempted from MEL in accordance with *<extref docno="AMC-R 750-51"/>*.**</para>"**

&ginfowp.cpcdata;

Corrosion Prevention And Control (CPC) Text – ***General Information***

The verbatim General Information Work Package CPC text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: *<cpcdata>*

BOILERPLATE TEXT: "*<title>*CORROSION PREVENTION AND CONTROL (CPC)**</title>**

*<para hcp="no" esd="no">*Corrosion Prevention and Control (CPC) of Army materiel is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in future items.**</para>**

*<para hcp="no" esd="no">*Corrosion specifically occurs with metals. It is an electrochemical process that causes the degradation of metals. It is commonly caused by exposure to moisture, acids, bases, or salts. An example is the rusting of iron. Corrosion damage in metals can be seen, depending on the metal, as tarnishing, pitting, fogging, surface residue, and/or cracking.**</para>**

*<para hcp="no" esd="no">*Plastics, composites, and rubbers can also degrade. Degradation is caused by thermal (heat), oxidation (oxygen), solvation (solvents), or photolytic (light, typically UV) processes. The most common exposures are excessive heat or light. Damage from these processes will appear as cracking, softening, swelling, and/or breaking.**</para>**

<para hcp="no" esd="no"><*extref docno="SF Form 368" posttext=", Product Quality Deficiency Report"/>* should be submitted to the address

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specified in *<extref docno="DA PAM 750-8" posttext=", The Army Maintenance Management System (TAMMS) Users Manual"/>*.**</para>"**

&ginfowp.deviation; *Deviations And Exceptions* – ***General Information***

The verbatim General Information Work Package Deviations and Exceptions (Depot Only) text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting depot type, either DMWR (*% dmwr;*) or NMWR (*%nmwr;*) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: *<deviation>*

BOILERPLATE TEXT: **"***<title>*DEVIATIONS AND EXCEPTIONS**</title>**

*<para hcp="no" esd="no">*Requests for deviations or exceptions to this <![*%dmwr;*[Depot Maintenance Work Requirement (DMWR)]]><![*%nmwr;*[National Maintenance Work Requirement (NMWR)]]> will be processed in accordance with *<extref docno="ISO 9000 Series"/>*, or equivalent.**</para>"**

&ginfowp.ecp; *Engineering Change Proposals Text* – ***General Information***

The verbatim General Information Work Package Engineering Change Proposals (Depot Only) text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (*%page-base;*) or frame-based (IETM) (*%frame-base;*) selectable entity, to generate the correct boilerplate text. Requires filling in the ECP mailing address text entity(*&ginfowp.ecp-address;*).

ELEMENT USED IN: *<ecp>*

BOILERPLATE TEXT: **"***<title>*ENGINEERING CHANGE PROPOSALS**</title>**

*<para hcp="no" esd="no">*Engineering Change Proposals (ECPs) will be submitted in accordance with *<extref docno="AR 70-1"/>* directly to *&ginfowp.ecp-address;*. A reply will be furnished to you.**</para>"**

&ginfowp.ecp-address; *Address (Editable)* – ***Engineering Change Proposals Text – General Information***

Insert the ECP mailing address. The address requires as a minimum proponent name, city and state. Elements (*<servnomen>*, *<street>*, *<zip>*, and *<country>*) not used are removed (include both the start and end elements). If multiple street lines are needed, includes as many *<street>* elements as necessary before the *<city>* element.

ELEMENT USED IN: *<ecp>*

BOILERPLATE TEXT: **"***<proponent>*

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*<name>*RESPONSIBLE COMMAND OR ACTIVITY PRO-PONENT NAME **</name>**

<address>

*<servnomen>*OPTIONAL SERVICE NOMENCLATURE**</servnomen>**

*<street>*0 OR MORE STREET INFORMATION**</street>**

*<city>*REQUIRED CITY,**</city>**

*<state>*REQUIRED STATE**</state>**

*<zip>*OPTIONAL ZIP CODE**</zip>**

*<country>*OPTIONAL COUNTRY**</country>**

</address></proponent>"

&ginfowp.eir; *Reporting Equipment Improvement Recommendations (EIR) Text* – ***General Information***

The verbatim General Information Work Package EIR text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires filling in the short end item name text entity(***&short.end.item.name;***).

ELEMENT USED IN: ***<eir>***

BOILERPLATE TEXT: **"**If your ***&short.end.item.name;*** needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don***’***t like about your equipment. Let us know why you don***’***t like the design or performance. If you have Internet access, the easiest and fastest way to report problems or suggestions is to go to ***<internet show.address="yes"><homepage protocol="https" uri="aeps.ria.army.mil/aepspublic.cfm"/>*****</internet>** (scroll down and choose the “Submit Quality Deficiency Report” bar). The Internet form lets you choose to submit an Equipment Improvement Recommendation (EIR), a Product Quality Deficiency Report (PQDR) or a Warranty Claim Action (WCA). You may also submit your information using a ***<extref docno="SF 368" posttext=" (Product Quality Deficiency Report)"/>***. You can send your SF 368 via e-mail, regular mail, or facsimile using the addresses/facsimile numbers specified in ***<extref docno="DA PAM 750-8" posttext=", The Army Maintenance Management System(TAMMS) Users Manual"/> <emphasis emph="italic">***(or ***<extref docno="DA PAM 7538-751" posttext=", Functional Users Manual for the Army Maintenance Management Systems - Aviation (TAMMS-A)"/>*** for aviation systems).**</emphasis>**. We will send you a reply. <![***%usmc-tm;***[For Marine Corps users: Quality deficiency reports (QDR) shall be submitted on ***<extref docno="SF 368"/>*** in accordance with ***<extref docno="MCO 4855.10"/>***. A reply will be furnished to you.]]>**"**

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&ginfowp.fscap;

Flight Safety Critical Aircraft Parts (FSCAP) – ***General Information***

The verbatim General Information Work Package FSCAP text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: ***<csi>***

BOILERPLATE TEXT: **"*<title>*FLIGHT SAFETY CRITICAL AIRCRAFT PARTS (FSCAP)**</title>*****<para hcp="no" esd="no">***A flight safety critical aircraft part is defined as any part, assembly, or installation whose failure, malfunction, or absence could cause loss of aircraft, serious damage to aircraft, death of crewmembers, or serious injury to crewmembers.**</para>**

<para hcp="no" esd="no">A critical characteristic is defined as any feature throughout the life cycle of a FSCAP, such as dimension, tolerance, finish, material or assembly, manufacturing process, inspection process, operation, missing, or degraded, could cause failure or malfunction of a FSCAP.**</para>**

<![***%frame-base;***[***<para hcp="no" esd="no">***Throughout the maintenance tasks, “FLIGHT SAFETY CRITICAL AIRCRAFT PARTS” alerts will precede the procedural step that includes a FSCAP, emphasizing that is part or parts require special handling during maintenance. Once the alert is displayed, applicable procedural steps will not be displayed until a manual acknowledgment of the FSCAP message is provided by the user.**</para>**]]>

"

&ginfowp.handreceipt;

Hand Receipt (HR) Manuals Text – ***General Information***

The verbatim General Information Work Package HR reference text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: ***<handreceipt>***

BOILERPLATE TEXT: **"*<title>*HAND RECEIPT (HR) MANUALS**</title>**

<para hcp="no" esd="no"><![***%hr.own.tm;***[This manual has a companion document with a TM number followed by “-HR” (which stands for Hand Receipt). TM X-XXXX-XXX-10-HR consists of preprinted]]><![***%hr.in.ietm;***[This IETM contains]]>hand receipts that list end item related equipment (i.e., COEI, BII, and AAL) that must be accounted for.<![***%hr.own.tm;***[As an aid to property accountability, additional HR manuals may be requisitioned through normal publication channels.]]>**</para>"**

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&ginfowp.hcp; *Nuclear Hardness Text* – ***General Information***

The verbatim General Information Work Package Nuclear Hardness text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

BOILERPLATE TEXT: **"*<title>*NUCLEAR HARDNESS**</title>**

<para hcp="no" esd="no">All hardness critical procedures in this manual are marked with the acronym HCP as follows:

<seqlist>

<item>When an entire task, including all paragraphs and procedures, is considered hardness critical, only the task title will be marked by the acronym HCP, placed before the title.**</item>**

<item>When only certain processes and steps within the work package are hardness critical, only the applicable processes and steps will be marked by placement of the acronym HCP between each applicable step number and the text.**</item></seqlist></para>"**

&ginfowp.mfrr-army; *Army Text* – ***Maintenance Forms, Records, And Reports (MFRR) – General Information***

The verbatim General Information Work Package Army MFRR text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting if Conventional Chemical and Ammunition TM, set selectable entity ***%ammo-tm;*** to "INCLUDE", otherwise "IGNORE" to generate the correct boilerplate text.

ELEMENT USED IN: ***<mfrr>***

BOILERPLATE TEXT: **"**Department of the Army forms and procedures used for equipment maintenance will be those prescribed by (as applicable) ***<extref docno="DA PAM 750-8" posttext=", The Army Maintenance Management System (TAMMS) Users Manual"/>***; ***<extref docno="DA PAM 738-751" posttext=", Functional Users Manual for the Army Maintenance Management Systems - Aviation (TAMMS-A)"/>***; or ***<extref docno="AR 700-138" posttext=", Army Logistics Readiness and Sustainability"/>***.<![***%ammo-tm;***[Accidents involving injury to personnel or damage to material will be reported on ***<extref docno="DA Form 285" posttext=", U.S. Army Accident Report"/>*** in accordance with ***<extref docno="AR 385-40"/>***. Explosives and ammunition malfunctions will be reported in accordance with ***<extref docno="AR 75-1"/>***.]]> **"**

&ginfowp.mfrr-multiservice; *Unclassified Multi-Service Text* – ***Maintenance Forms, Records, And Reports (MFRR) – General Information***

The verbatim General Information Work Package Unclassified Multi-Service MFRR text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. The

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general entity boilerplate is used in both single and multi-service MFRR statements. Determine the service statements to include by setting each service's selectable entity (*%army-tm;*, *%usmc-tm;*, *%usaf-tm;*, and *%usn-tm;*) to "INCLUDE", otherwise "IGNORE".

ELEMENT USED IN: *<mfrr>*

BOILERPLATE TEXT: "*<title>*MAINTENANCE FORMS, RECORDS, AND REPORTS

</title>

<![*%army-tm;*[*<mfrr.para service="army">&ginfowp.mfrr-army;*</mfrr.para>]]>

<![*%usmc-tm;*[*<mfrr.para service="marines">&ginfowp.mfrr-usmc;*</mfrr.para>]]>

<![*%usaf-tm;*[*<mfrr.para service="af">*Maintenance forms and records used by Air Force personnel are prescribed in *<extref docno="AFI 21-101">* and the applicable *<extref docno="TO 00-20" posttext=" Series Technical Orders"/>*.</mfrr.para>]]>

<![*%usn-tm;*[*<mfrr.para service="navy">*Navy users should refer to their service peculiar directives to determine applicable maintenance forms and records to be used.</mfrr.para>]]> "

&ginfowp.mfrr-oneservice; *Unclassified Army or USMC Only Text* – ***Maintenance Forms, Records, And Reports (MFRR) – General Information***

The verbatim General Information Work Package Unclassified Army or USMC MFRR text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Determine the service statements to include by setting the service's selectable entity (*%army-tm;* or *%usmc-tm;*) to "INCLUDE" and other service's to "IGNORE".

ELEMENT USED IN: *<mfrr>*

BOILERPLATE TEXT: "*<para>*<![*%army-tm;*[*&ginfowp.mfrr-army;*]]>

<![*%usmc-tm;*[*&ginfowp.mfrr-usmc;*]]>**</para>** "

&ginfowp.mfrr-usmc; *USMC Text* – ***Maintenance Forms, Records, And Reports (MFRR) – General Information***

The verbatim General Information Work Package USMC MFRR text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: *<mfrr>*

BOILERPLATE TEXT: "Maintenance forms and records used by Marine Corps personnel are prescribed by *<extref docno="TM 4700-15/1"/>*."

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&ginfowp.mobreq; *Mobilization Requirements Text* – ***General Information***

The verbatim General Information Work Package Mobilization Requirements (Depot Only) text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting depot type, either DMWR (***% dmwr;***) or NMWR (***%nmwr;***) selectable entity, to generate the correct boilerplate text. Requires filling in the short end item name text entity(***&short.end.item.name;***). Requires filling in the Mobilization Requirements Work Package identification reference name in the text entity(***&ginfowp.mobreq-wp;***).

ELEMENT USED IN: ***<mobreq>***

BOILERPLATE TEXT: "***<title>***MOBILIZATION REQUIREMENTS**</title>**

<para hcp="no" esd="no">All requirements of this <![***%dmwr;***[DMWR]]><![***%nmwr;***[NMWR]]> will be exempted or revised in the event of mobilization. Only those procedures necessary to return the ***&short.end.item.name;*** to a serviceable condition will be performed. The exemptions and revisions are explained in maintenance work package ***&ginfowp.mobreq-wp;***.**</para>** "

&ginfowp.mobreq-wp; *Work Package Cross Reference (Editable)* – ***Mobilization Requirements – General Information***

Replace the "wpid" attribute value with the appropriate Mobilization Requirements Work Package identification name to generate the cross referenced WP sequence number (page-based) or title (frame-based).

ELEMENT USED IN: ***<mobreq>***

BOILERPLATE TEXT: "***<xref wpid="INSERT_THE_APPROPRIATE_WORK_PACKAGE_ID"/>*** "

&ginfowp.modification; *Modifications Text* – ***General Information***

The verbatim General Information Work Package Modifications (Depot Only) text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting depot type, either DMWR (***% dmwr;***) or NMWR (***%nmwr;***) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: ***<modification>***

BOILERPLATE TEXT: "***<title>***MODIFICATIONS**</title>**

<para hcp="no" esd="no">All Modification Work Orders (MWOs), all minor alteration procedures (MAP) specified in the contract/work directive, and all ECPs listed in the <![***%dmwr;***[DMWR]]><![***%nmwr;***[NMWR]]> must be applied during the overhaul of the item. Refer to ***<extref***

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	docno="DA PAM 25-30" posttext=","/> and ***<extref docno="DA PAM 750-10" posttext=","/>*** for all published MWOs.**</para> "**
&ginfowp.qual.mat.info;	*Quality Of Material Text* – ***General Information*** The verbatim General Information Work Package Quality of Material text IAW MIL-STD-40051-1A and MIL-STD-40051-2A Requires inserting TM reference text entity (***&ginfowp.qual.mat.info-tm;***containing the quality of material requirements. **ELEMENT USED IN:** ***<qual.mat.info>*** **BOILERPLATE TEXT:** **"*****<para hcp="no" esd="no">***Material used for replacement, repair, or modification must meet the requirements of ***&ginfowp.qual.mat.info-tm;***. If quality of material requirements are not stated in this ***&ginfowp.qual.mat.info-tm;***, the material must meet the requirements of the drawings, standards, specifications, or approved engineering change proposals applicable to the subject equipment.**</para> "**
&ginfowp.qual.mat.info-tm; ***Of Material – General Information***	*TM Requirements Reference (Editable)* – ***Quality*** Replace the "docno" attribute value with the appropriate referenced Quality of Material Requirements TM number. **ELEMENT USED IN:** ***<qual.mat.info>*** **BOILERPLATE TEXT:** **"*****<extref docno="INSERT THE TM OR IETM NUMBER"/>*** **"**
&ginfowp.supdata-partlist.tm;	*RPSTL TM Reference Text* – ***General Information*** The verbatim General Information Work Package Supplemental Data and Part List with separate TM text IAW MIL-STD-40051-1A and MIL-STD-40051-2A Requires inserting TM reference text entity (***&ginfowp.supdata-partlist.tmref;*** containing the RPSTL. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text. **ELEMENT USED IN:** ***<supdata>*** **BOILERPLATE TEXT:** **"*****<para hcp="no" esd="no">***Repair parts are listed and illustrated in the repair parts and special tools list ***&ginfowp.supdata-partlist.tmref;***.**</para> "**

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&ginfowp.supdata-partlist.tmref; *TM Reference (Editable)* – ***RPSTL TM Reference – General Information***

Replace the "docno" attribute value with the appropriate referenced RPSTL TM number.

ELEMENT USED IN: ***<supdata>***

BOILERPLATE TEXT: "***<extref docno="REPLACE WITH RPSTL TM NUMBER"/>*** "

&ginfowp.supdata-partlist.wp; *RPSTL WP Reference Text* – ***General Information***

The verbatim General Information Work Package Supplemental Data and Part List within TM text IAW MIL-STD-40051-1A and MIL-STD-40051-2A Requires inserting one or more Work Package reference(s) text entity (***&ginfowp.supdata-partlist.wpref;*** containing the RPSTL. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: ***<supdata>***

BOILERPLATE TEXT: "***<para hcp="no" esd="no">***Repair parts are listed and illustrated in parts information work package ***&ginfowp.supdata-partlist.wpref;*** of this <![***%page-base;***[manual]]><![***%frame-base;***[IETM]]>.**</para>** "

&ginfowp.supdata-partlist.wpref; *WP Reference(s) (Editable)* – ***RPSTL WP Reference – General Information***

Replace the "wpid" attribute value with the appropriate referenced RPSTL WP identification name. Listing a series of work packages, insert additional cross references elements to fully describe the work packages locations.

ELEMENT USED IN: ***<supdata>***

BOILERPLATE TEXT: "***<xref wpid="INSERT_THE_PART_LIST_WORK_PACKAGE_ID"/>*** "

&ginfowp.supdata-tools; *Common Tools and Equipment Reference Text* – ***General Information***

The verbatim General Information Work Package Supplemental Data and Part List text IAW MIL-STD-40051-1A and MIL-STD-40051-2A

ELEMENT USED IN: ***<supdata>***

BOILERPLATE TEXT: "***<title>***COMMON TOOLS AND EQUIPMENT**</title>**

<para hcp="no" esd="no">For authorized common tools and equipment, refer to the Modified Table of Organization and Equipment (MTOE), ***<extref docno="CTA 50-970" posttext=", Expendable/Durable Items (Except: Medical, Class V, Repair Parts, and Heraldic Items)"/>***, ***<extref docno="CTA 50-909" posttext=", Field and Garrison Furnishings and Equipment"/>*** or ***<extref docno="CTA***

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	8-100" posttext=", Army Medical Department Expendable/Durable Items"/>, as applicable to your unit.**</para> "**
&ginfowp.wrntyref;	*Warranty Information Text* – ***General Information*** The verbatim General Information Work Package Warranty Information text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires filling in the short end item name text entity(***&short.end.item.name;***). Requires filling in the warranty period text entity(***&ginfowp.wrntyref-time;***).
ELEMENT USED IN:	***<wrntyref>***
BOILERPLATE TEXT:	**"*<title>*WARRANTY INFORMATION*</title>*** ***<para hcp="no" esd="no">***The ***&short.end.item.name;*** is warranted for ***&ginfowp.wrntyref-time;***. The warranty starts on the date found in block 23 of ***<<extref docno="DA Form 2408-9" posttext=", Equipment Control Record"/> >***. Report all defects to your supervisor, who will take appropriate action.***</para>*** **"**
&ginfowp.wrntyref-time;	*Period (Editable)* – ***Warranty Information – General Information*** Replace the text with the warranty period as either mileage or time frame.
ELEMENT USED IN:	***<wrntyref>***
BOILERPLATE TEXT:	**"**INSERT THE WARRANTY PERIOD MILEAGE OR TIME FRAME**"**

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&howtouse.intl-agree; *International Agreements Statement* – ***How To Use***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for the international standardization agreement notice. Requires modifying the following general entities ***&howtouse.intl-agree.ref;*** and ***&howtouse.intl-agree.pg;***.

ELEMENT USED IN: ***<howtouse>***

BOILERPLATE TEXT: **"*<note>***

<trim.para>Certain provisions of this <![***%page-base;***[technical manual]]><![***%frame-base;***[IETM]]>

&howtouse.intl-agree.ref; are the subject of international standardization agreement ***&howtouse.intl-agree.pg;***. When revision or cancellation of this technical manual is proposed which will modify the international agreement concerned, the technical manual management activity will take appropriate action through international standardization channels, including departmental standardization offices, to change the agreement or make other appropriate accommodations. **</trim.para></note> "**

&howtouse.intl-agree.pg; *International Agreements Document Reference (Editable)* – ***How To Use***

Replace the "docno" attribute value with the appropriate referenced international standard, NATO, or other appropriate document number(s). When more than one document reference is needed, insert additional external reference elements.

ELEMENT USED IN: ***&howtouse.intl-agree;***

BOILERPLATE TEXT: **"*<extref docno="REPLACE WITH THE ABCA OR ASCC STANDARD NUMBER; THE NATO STANAG, NETR, OR NEPR NUMBER; OR APPROPRIATE DOCUMENTARY REFERENCE"/>* "**

&howtouse.intl-agree.ref; *International Agreements Applicable Procedural Step(s) (Editable)* – ***How To Use***

Replace the "wpid" (Work Package), "taskid" (Task/Procedure), and "stepstart" (Step) (sequence steps "stepend") attribute value with the appropriate applicable procedural step identification reference names. When more than one procedural step reference is needed, insert additional cross reference elements.

ELEMENT USED IN: ***&howtouse.intl-agree;***

BOILERPLATE TEXT: **"*<xref wpid="REPLACE_WP_ID" taskid="REPLACE_TASK_ID" stepstart="REPLACE_STEP_ID"/>* "**

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&intro.uoc;

UOC List – ***Introduction – Supporting Information***

Lists UOCs in the AAL and COEI/BII introductions, when exists. When UOC exist in the TM set selectable entity (***%uoc-list;***) to "INCLUDE", otherwise set to "IGNORE".

ELEMENT USED IN: ***<aalwp>, <coeibiiwp>, and <introwp>***

BOILERPLATE TEXT: **"**<![***%uoc-list;***[These codes identified below:***&intro.uoc-list;***]]> **"**

&intro.uoc-list;

UOC List (Editable)

For each UOC insert the UOC code (***<term>***) and associated model number (***<def> <para>***). Each UOC is wrapped with pointer identifier (***<term.def>***). Replace the sample data with actual UOC data. When UOC exist in the TM set selectable entity (***%uoc-list;***) to "INCLUDE", otherwise set to "IGNORE".

ELEMENT USED IN: ***&intro.uoc;***

BOILERPLATE TEXT: **"**<![***%uoc-list;***[

<deflist>

<title.term.def>

<title>Code**</title>**

<title>Used on**</title></title.term.def>**

<term.def id="uoc.PAA">

<term>PAA**</term>**

<def><para hcp="no" esd="no">XXX**</para></def></term.def>**

<term.def id="uoc.PAA">

<term>PAA**</term>**

<def><para hcp="no" esd="no">XXXX**</para></def></term.def>**

<term.def id="uoc.PAB">

<term>PAB**</term>**

<def><para hcp="no" esd="no">XXXX**</para></def></term.def>**

</deflist>]]> **"**

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&introwp.intro.index-explain.nsn; *NSN Index Explanation Text* – ***Introduction – RPSTL***

The verbatim NSN index explanation text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<introwp>***

BOILERPLATE TEXT: "The National Stock Number Index work package refers you to the figure and item number. "

&introwp.intro.index-explain.pn; *Part Number Index Explanation Text* – ***Introduction – RPSTL***

The verbatim part number index explanation text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<introwp>***

BOILERPLATE TEXT: "The Part Number Index work package refers you to the figure and item number. "

&introwp.intro.index-explain.refdes; *Reference Designator Index Explanation Text* – ***Introduction – RPSTL***

The verbatim Reference Designator index explanation text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<introwp>***

BOILERPLATE TEXT: "The Reference Designator Index work package refers you to the figure and item number. "

&introwp.intro-av; *Introduction* – ***Aviation – RPSTL***

The verbatim RPSTL Aviation introduction text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Required to insert the editable text entities for lowest maintenance level prescribed (***&introwp.intro.lowest-maint;***), equipment nomenclature (***&introwp.intro.item;***), specialized repair activity designator (***&introwp.intro.repair-act-des;***), RPSTL TM list of associated publication (***&introwp.intro.assoc-pubs;***), fabrication instructions TM number (***&introwp.intro.fab-tm;***), higher maintenance RPSTL TM number (***&introwp.intro.higher-maint-tm;***), and list uncommon abbreviations (***&introwp.intro.uncommon-abbr;***). The following text entities are used in multiple places and are dependent on selectable entities inclusion for the NSN, part number, and reference designator indices (***&introwp.intro.index-explain.nsn;***, ***&introwp.intro.index-format.nsn;***, ***&introwp.intro.index-explain.pn;***, ***&introwp.intro.index-format.pn;***, ***&introwp.intro.index-explain.refdes;***, ***&introwp.intro.index-format.refdes;***, and ***&introwp.intro.locate-repair-parts.refdes;***).Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM)

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(*%frame-base;*) selectable entity, to generate the correct boilerplate text. Requires selecting RPSTL location, either in a separate RPSTL TM (*%introwp.RPSTL_manual-tm;*) or included in a maintenance TM (*%introwp.RPSTL_wp-tm;*) selectable entity, to generate the correct boilerplate text. Requires selecting the RPSTL indices used, as NSN, part number, and/or reference designator (*%introwp.nsn_pn_refdes-index;* , *%introwp.nsn_pn-index;*, *%introwp.nsn_refdes-index;*, *%introwp.nsn-index;*, *%introwp.pn_refdes-index;*, *%introwp.pn-index;*, or *%introwp.refdes-index;*) to generate the correct boilerplate text. Requires selecting if USMC parts requirements are developed (*%usmc-tm;*) to generate the correct boilerplate text

ELEMENT USED IN: *<introwp>*

BOILERPLATE TEXT: "*<title>*INTRODUCTION**</title>**

<para0>

*<title>*SCOPE**</title>**

*<para>*This parts information (PI) lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of (enter maintenance level) maintenance of the (enter item name). It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes.**</para>**

</para0>

<para0>

*<title>*GENERAL**</title>**

*<para>*In addition to the Introduction work package, this PI is divided into the following work packages.*<seqlist>*

*<item>*Repair Parts List Work Packages. Work packages containing lists of spare and repair parts authorized for use in the performance of maintenance at the levels determined by the MAC/SMR code. These work packages also include parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Sending units, brackets, filters, and bolts are listed with the component they mount on. Bulk materials are listed by item name in the Bulk Items work package which follows (select the work package the bulk items follow: the last Parts List work package, the Special Tools Repair Parts work package, or Kits) work package. (choose one of the following) Repair parts kits are listed separately in their own functional group and work package OR Repair parts kits are listed at the end of the individual work packages. Repair parts for reparable special tools are also listed in a separate work package. Items listed are shown on the associated illustrations."**</item>**

<item>(Include the text in items 2 through 4 only if the described work package is included in the TM.) Special Tools Repair Parts Work Package.

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This work package lists any spare parts required for the special tools, TMDE, or other support equipment listed in the Special Tools Work Package that are not listed in any other publication.

</item>

*<item>*Kits work package. This work package lists all repair kits and their component parts.**</item>**

*<item>*Bulk Items Work Package. This work package lists all items identified as 'bulk' in the parts lists. Due to the nature of bulk items, this work package does not include a figure.**</item>**

*<item>*Special Tools List Work Packages. This work package lists those special tools, special TMDE, and special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in the DESCRIPTION AND USABLE ON CODE (UOC) column). Tools that are components of common tool sets and/or Class VII are not listed.**</item>**

*<item>*Cross-Reference Indexes Work Packages. There are (enter applicable number) cross-reference indexes work packages in this RPSTL: the National Stock Number (NSN) Index work package and or, the Part Number (P/N) Index work package (If reference designator is used enter:, and the Reference Designator Index work package). The National Stock Number Index work package refers you to the figure and item number for each NSN listed in the RPSTL. The Part Number Index work package refers you to the figure and item number for each part number listed in the RPSTL. (If reference designator is used, enter: The Reference Designator Index work package refers you to the figure and item number of each reference designator listed in the RPSTL).**</item></seqlist></para>**

</para0>

<para0>

*<title>*EXPLANATION OF ENTRIES IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES**</title>**

<para> ITEM NO. (Entry 1). Indicates the number used to identify items called out in the illustration.**</para>**

<para> SMR CODE (Entry 2). The SMR code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout. This entry may be subdivided into 4 subentries, one for each service.

<table>

*<title>*SMR Code Explanation.**</title>**

<tgroup cols="4"><colspec colname="col1"/><colspec colname="col2"/><colspec colname="col3"/><colspec colname="col4"/>

<thead>

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<row><entry>Source Code</entry><entry nameend="col3" namest="col2">Maintenance Code</entry><entry>Recoverability Code</entry></row>

</thead>

<tbody>

<row><entry>XX</entry><entry nameend="col3" namest="col2">XX</entry><entry>X</entry></row>

<row><entry>1st two positions: How to get an item.</entry><entry>3rd position: Who can install, replace, or use the item.</entry><entry>4th position: Who can do complete repair on the item</entry><entry>5th position: Who determines disposition action on unserviceable items</entry></row>

</tbody>

</tgroup>

</table> NOTE Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item. </para>

<note>

<trim.para>Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.</trim.para>

</note>

<para>Source Code. The source code tells you how you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

<table>

<title>Source Code Explanation.</title>

<tgroup cols="2"><thead>

<row><entry>Source Code</entry><entry>Application/Explanation</entry></row></thead>

<tbody>

<row><entry>PA<brk/>PB<brk/>PC<brk/>PD<brk/>PE<brk/>PF<brk/>PG<brk/>PH<brk/>PR<brk/>PZ</entry><entry> Stock items; use the applicable NSN to requisition/request items with these source codes. They are authorized to the level indicated by the code entered in the third position of the SMR code. <note>

<trim.para>Items coded PC are subject to deterioration.</trim.para></note></entry></row>

<row><entry>KD<brk/>KF<brk/>KB</entry><entry>Items with these codes are not to be requested/requisitioned individually. They

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are part of a kit that is authorized to the maintenance level indicated in the third position of the SMR code. The complete kit must be requisitioned and applied.**</entry></row>**

*<row><entry>*MF Made at AMC level**</entry>***<entry morerows="4">***</entry>*Items with these codes are not to be requisitioned/requested individually. They must be made from bulk material which is identified by the P/N in the DESCRIPTION AND USABLE ON CODE (UOC) entry and listed in the bulk material group work package of the PI. If the item is authorized to you by the third position code of the SMR code, but the source code indicates it is made at higher level, order the item from the higher level of maintenance.**</entry></row>**

*<row><entry>*MH Made at ASB level**</entry></row>**

*<row><entry>*ML Made at TASMG**</entry></row>***<row><entry>*MD Made at depot **</entry></row>**

*<row><entry>*MG-Navy only**</entry></row>**

*<row><entry>*AF Assembled by maintainer level **</entry>***<entry morerows="4">***</entry>*Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the third position of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.**</entry></row>**

*<row><entry>*AH Assembled by below depot sustainment level**</entry></row>**

*<row><entry>*AL Assembled by SRA **</entry></row>**

*<row><entry>*AD Assembled by depot**</entry></row>***<row><entry>*AG Navy only**</entry></row>**

*<row><entry>*XA**</entry>***<entry>*Do not requisition an "XA" coded item. Order the next higher assembly. (Refer to NOTE below.)**</entry></row>**

*<row><entry>*XB**</entry>***<entry>*If an item is not available from salvage, order it using the CAGEC and P/N.**</entry></row>**

<row><entry> XC**</entry>***<entry>*Installation drawings, diagrams, instruction sheets, field service drawings; identified by manufacturer's P/N.**</entry></row>**

*<row><entry>*XD**</entry>***<entry>* Item is not stocked. Order an XD coded item through local purchase or normal supply channels using the CAGEC and P/N given, if no NSN is available. *<note>*

*<trim.para>*Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes except for those items source coded "XA" or those aircraft support items restricted by requirements of AR 750 1.**</trim.para>**

</note></entry></row></tbody>

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</tgroup>

</table></para>

*<para>*Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows: **</para>**

*<para>*Third Position. The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following levels of maintenance:

<table>

<tgroup cols="2"><thead>

*<row><entry>*Maintenance Code**</entry>***<entry>*Application/E-xplanation**</entry></row></thead>**

<tbody>

*<row><entry>*O**</entry>***<entry>*AMC maintenance can remove, replace, and use the item**</entry></row>**

*<row><entry>*F**</entry>***<entry>*AASB maintenance can remove, replace, and use the item.**</entry></row>**

*<row><entry>*L**</entry>***<entry>*TASMG can remove, replace, and use the item.**</entry></row>**

*<row><entry>*G **</entry>***<entry>*Afloat and ashore intermediate maintenance can remove, replace, and use the item (Navy only)**</entry></row>**

*<row><entry>*K **</entry>***<entry>*Contractor facility can remove, replace, and use the item**</entry></row>**

*<row><entry>*Z**</entry>***<entry>*Item is not authorized to be removed, replace, or used at any maintenance level **</entry></row>**

*<row><entry>*D**</entry>***<entry>*Depot can remove, replace, and use the item.**</entry></row>**

</tbody>

</tgroup>

</table></para>

*<para>*Fourth Position. The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (perform all authorized repair functions).

<table>

<tgroup cols="2">

<thead>

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<row><entry>Maintenance Code</entry><entry>Application/Explanation</entry></row>

</thead>

<tbody>

<row><entry>O</entry><entry>AMC is the lowest level that can do complete repair of the item.</entry></row>

<row><entry>F</entry><entry>ASB is the lowest level that can do complete repair of the item.</entry></row><row><entry>L</entry><entry>TASMG is the lowest level that can do complete repair of the item.</entry></row>

<row><entry>D</entry><entry>Depot is the lowest level that can do complete repair of the item.</entry></row>

<row><entry>G</entry><entry>Both afloat and ashore intermediate levels are capable of complete repair of item. (Navy only)</entry></row><row><entry>K</entry><entry>Complete repair is done at contractor facility</entry></row>

<row><entry>Z</entry><entry> Nonreparable. No repair is authorized.</entry></row>

<row><entry>B</entry><entry>No repair is authorized. No parts or special tools are authorized for maintenance of "B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.</entry></row></tbody>

</tgroup>

</table></para>

<para>Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is shown in the fifth position of the SMR code as follows:

<table>

<tgroup cols="2">

<thead>

<row><entry>Recoverability Code</entry><entry>Application/Explanation</entry></row></thead>

<tbody>

<row><entry>Z </entry><entry>Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third position of the SMR code.</entry></row>

<row><entry>O</entry><entry>Reparable item. When uneconomically reparable, condemn and dispose of the item at the AMClevel.</entry></row>

<row><entry>F</entry><entry>Reparable item. When uneconomically reparable, condemn and dispose of the item at the ASB level.</entry></row><row><entry>L</entry><entry>Reparable

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item. When uneconomically reparable, condemn and dispose of the item at the TASMG level.**</entry></row>**

*<row><entry>*D**</entry>***<entry>***Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item are not authorized below depot level.**</entry></row>**

*<row><entry>*L**</entry>***<entry>***Reparable item. Condemnation and disposal not authorized below Specialized Repair Activity (SRA)/TASMG.**</entry></row>**

*<row><entry>*A**</entry>***<entry>***Item requires special handling or condemnation procedures because of specific reasons (such as precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.**</entry></row>**

*<row><entry>*G**</entry>***<entry>***Field level reparable item. Condemn and dispose at either afloat or ashore intermediate levels. (Navy only)**</entry></row>**

*<row><entry>*K**</entry>***<entry>***Reparable item. Condemnation and disposal to be performed at contractor facility.**</entry></row>**

</tbody>

</tgroup>

</table></para>

*<para>*NSN (Entry 3). The NSN for the item is listed in this entry. **</para>**

*<para>*CAGEC (Entry 4). The Commercial and Government Entity Code (CAGEC) is a five digit code that is used to identify the manufacturer, distributor, or Government agency/activity that supplies the item. **</para>**

*<para>*PART NUMBER (Entry 5). Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.**</para>**

<note>

*<trim.para>*When you use an NSN to requisition an item, the item you receive may have a different part number from the number listed.**</trim.para>**

</note>

*<para>*DESCRIPTION AND USABLE ON CODE (UOC) (Column (6)). This column includes the following information:*<seqlist>*

*<item>*The federal item name, and when required, a minimum description to identify the item.**</item>**

*<item>*Part numbers of any bulk materials required if the item is to be locally manufactured or fabricated.**</item>**

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*<item>*Hardness Critical Item (HCI). Items that require special handling or procedures to ensure protection against electromagnetic pulse (EMP) damage are marked with the letters 'HCI.'**</item>**

*<item>*The statement END OF FIGURE appears below the last item description in column (6) for each figure in the repair parts list, special tools repair parts, kits, bulk items, and special tools list work packages. **</item>**

</seqlist></para>

*<para>*QTY (Entry (7)). The QTY (quantity per figure) entry indicates the quantity of the item used in the breakout shown on the illustration/figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this entry instead of a quantity indicates that the quantity is variable and quantity may change from application to application. **</para>**

<para> (MC) Include for Marine Corps manuals only. **</para>**

*<para>*USMC QTY per Equip (Entry 8). This entry accommodates the Marine Corps quantity per equipment requirement. **</para>**

</para0>*<para0>*

<title> EXPLANATION OF CROSS REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS**</title>**

<para><seqlist>

<item> 1. National Stock Number (NSN) Index Work Package. NSNs in this index are listed in National Item Identification Number (NIIN) sequence.*<randlist>*

<item> STOCK NUMBER Column. This column lists the NSN in NIIN sequence. The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.**</item>**

<item> For example, if the NSN is 5385-01-574-1476, the NIIN is 01-574-1476.**</item>**

<item> FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in the repair parts list and special tools list work packages.**</item>**

*<item>*ITEM Column. This column identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.**</item>**

</randlist></item>

*<item>*Part Number (P/N) Index Work Package. Part numbers in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combinations which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).*<randlist>*

<item> PART NUMBER Column. This column indicates the part number assigned to the item. **</item>**

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*<item>*FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list and special tools list work packages.**</item>**

*<item>*ITEM Column. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column. Include item 3 if reference designator index is used.**</item>**

</randlist></item>

*<item>*Reference Designator Index Work Package. Reference designators in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combination which places the first letter or digit of each group in order "A" through "Z," followed by the numbers "0" through "9" and each following letter or digit in like order).*<randlist>*

*<item>*REFERENCE DESIGNATOR Column. This column indicates the reference designator assigned to the item. **</item>**

*<item>*FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list or special tools list work package. **</item>**

*<item>*ITEM Column. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column.**</item>**

</randlist></item></seqlist></para>

</para0>*<para0>*

*<title>*SPECIAL INFORMATION UOC.**</title>**

*<para>*The UOC appears in the lower left corner of the Description Column heading. Usable on codes are shown as "UOC:" in the Description Column (justified left) on the first line under the applicable item/nomenclature. Uncoded items are applicable to all models. Examples of the UOCs used in the RPSTL are:

<table>

<tgroup cols="2">

<thead>

*<row><entry>*Code**</entry>***<entry>*Used On**</entry></row></thead>**

<tbody>

*<row><entry>*PAA **</entry>***<entry>*Model M114**</entry></row>**

*<row><entry>*PAB**</entry>***<entry>*Model M114A**</entry></row>**

*<row><entry>*PAC**</entry>***<entry>* Model M114B**</entry></row></tbody>**

</tgroup>

</table> Include appropriate UOC content, as applicable.**</para>**

<para> Fabrication Instructions. Bulk materials required to manufacture items are listed in the bulk material work package of this RPSTL. Part

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numbers for bulk material are also referenced in the Description Column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in (enter applicable TM number).**</para>**

<para> Index Numbers. Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross reference between the NSN/Part Number (P/N) Index work packages and the bulk material list in the bulk items work package. For a combined narrative RPSTL manual associated publications shall not be included. **</para>**

*<para>*Associated Publications. The publication(s) listed below pertain to the (enter item name):

<table>

<tgroup cols="2">

<thead>

*<row><entry>*Publication**</entry>***<entry>*Short Title**</entry></row>**

</thead>

<tbody>

*<row><entry>***</entry></row>**

</tbody>

</tgroup>

</table> The following paragraph shall appear only in the field maintenance RPSTL special instructions.**</para>**

*<para>*Illustrations List. The illustrations in this RPSTL contain field authorized items. Illustrations published in (enter applicable TM number for the higher maintenance level RPSTL, e.g., for field, below depot sustainment, etc.) that contain field authorized items also appear in this RPSTL. The tabular list in the repair parts list work package contains only those parts coded "F" in the third position of the SMR code, therefore, there may be a break in the item number sequence.**</para>**

</para0>*<para0>*

*<title>*HOW TO LOCATE REPAIR PARTS **</title>**

<para><seqlist>

*<item>*When NSNs or Part Numbers Are Not Known. First. Using the table of contents, determine the assembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and lists are divided into the same groups. Second. Find the figure covering the functional group or the subfunctional group to which the item belongs. Third. Identify the item on the figure and note the number(s). Fourth. Look in the repair parts list work packages for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.**</item>**

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*<item>*When NSN Is Known. First. If you have the NSN, look in the STOCK NUMBER column of the NSN index work package. The NSN is arranged in NIIN sequence. Note the figure and item number next to the NSN. Second. Turn to the figure and locate the item number. Verify that the item is the one for which you are looking**</item>**

*<item>*When Part Number Is Known. First. If you have the part number and not the NSN, look in the PART NUMBER column of the part number index work package. Identify the figure and item number. Second. Look up the item on the figure in the applicable repair parts list work package." Include item 4 only if the RPSTL has a reference designator index work package.**</item>**

*<item>*When Reference Designator Is Known. First. If you know the reference designator, look in the REFERENCE DESIGNATOR column of the reference designator index work package. Note the figure and item number. Second. Turn to the figure and locate the item number. Verify that the item is the one for which you are looking.**</item></seqlist></para>**

</para0>*<para0>*

*<title>*ABBREVIATIONS**</title>**

<para>

<table>

<tgroup cols="2"><thead>

*<row><entry>*Abbreviation**</entry>***<entry>*Explanation**</entry></row>**

</thead>

<tbody>

*<row><entry>*Include uncommon abbreviations used in the RPSTL. List/define those not found in ASME Y14.38**</entry></row>**

</tbody>

</tgroup>

</table></para>

</para0>"

&introwp.intro-non-aviation;

Introduction – ***Non-Aviation – RPSTL***

The verbatim RPSTL Non-Aviation introduction text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Required to insert the editable text entities for lowest maintenance level prescribed (***&introwp.intro.lowest-maint;***), equipment nomenclature (***&introwp.intro.item;***), specialized repair activity designator (***&introwp.intro.repair-act-des;***), RPSTL TM list of associated publication (***&introwp.intro.assoc-pubs;***), fabrication instructions TM number (***&introwp.intro.fab-tm;***), higher maintenance RPSTL TM number (***&introwp.intro.higher-maint-tm;***), and list uncommon abbreviations

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(***&introwp.intro.uncommon-abbr;***). The following text entities are used in multiple places and are dependent on selectable entities inclusion for the NSN, part number, and reference designator indices (***&introwp.intro.index-explain.nsn;***, ***&introwp.intro.index-format.nsn;***, ***&introwp.intro.index-explain.pn;***, ***&introwp.intro.index-format.pn;***, ***&introwp.intro.index-explain.refdes;***, ***&introwp.intro.index-format.refdes;***, and ***&introwp.intro.locate-repair-parts.refdes;***).Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text. Requires selecting RPSTL location, either in a separate RPSTL TM (***%introwp.RPSTL_manual-tm;***) or included in a maintenance TM (***%introwp.RPSTL_wp-tm;***) selectable entity, to generate the correct boilerplate text. Requires selecting the RPSTL indices used, as NSN, part number, and/or reference designator (***%introwp.nsn_pn_refdes-index;*** , ***%introwp.nsn_pn-index;***, ***%introwp.nsn_refdes-index;***, ***%introwp.nsn-index;***, ***%introwp.pn_refdes-index;***, ***%introwp.pn-index;***, or ***%introwp.refdes-index;***) to generate the correct boilerplate text. Requires selecting if USMC parts requirements are developed (***%usmc-tm;***) to generate the correct boilerplate text

ELEMENT USED IN: ***<introwp>***

BOILERPLATE TEXT: **"*<title>***INTRODUCTION**</title>**

<para0>

<title>SCOPE**</title>**

<para>This RPSTL lists the authorized spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of (enter maintenance level) maintenance of the (enter item name). It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes. **</para>**

</para0>

<para0>

<title>GENERAL**</title>**

<para>In addition to the Introduction work package, this RPSTL is divided into the following work packages. ***<seqlist>***

<item>Repair Parts List Work Packages. Work packages containing lists of spare and repair parts authorized for use in the performance of maintenance at the levels determined by the MAC/SMR code. These work packages also include parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Sending units, brackets, filters, and bolts are listed with the component they mount on. Bulk materials are listed by item name in the Bulk Items work package which follows (select the work package the bulk items follow: the last Parts List work package, the Special Tools Repair

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Parts work package, or Kits) work package. (choose one of the following) "Repair parts kits are listed separately in their own functional group and work package OR Repair parts kits are listed at the end of the individual work packages. Repair parts for reparable special tools are also listed in a separate work package. Items listed are shown on the associated illustrations."**</item>**

<item>(Include the text in items 2 through 4 only if the described work package is included in the TM.) "Special Tools Repair Parts Work Package. This work package lists any spare parts required for the special tools, TMDE, or other support equipment listed in the Special Tools Work Package that are not listed in any other publication.**</item>**

<item>Kits work package. This work package lists all repair kits and their component parts.**</item>**

<item>Bulk Items Work Package. This work package lists all items identified as 'bulk'> in the parts lists. Due to the nature of bulk items, this work package does not include a figure.**</item>**

<item>Special Tools List Work Packages. This work package lists those special tools, special TMDE, and special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in the DESCRIPTION AND USABLE ON CODE (UOC) column). Tools that are components of common tool sets and/or Class VII are not listed.**</item>**

<item>Cross-Reference Indexes Work Packages. There are (enter applicable number) cross-reference indexes work packages in this RPSTL: the National Stock Number (NSN) Index work package and or, the Part Number (P/N) Index work package (If reference designator is used enter:, and the Reference Designator Index work package). The National Stock Number Index work package refers you to the figure and item number for each NSN listed in the RPSTL. The Part Number Index work package refers you to the figure and item number for each part number listed in the RPSTL." (If reference designator is used enter: "The Reference Designator Index work package refers you to the figure and item number of each reference designator listed in the RPSTL). **</item>**

</seqlist></para>

</para0>

<para0>

<title>EXPLANATION OF ENTRIES IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES **</title>**

<para>ITEM NO.(Entry 1). Indicates the number used to identify items called out in the illustration.**</para>**

<para>SMR CODE (Entry 2). The SMR code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout. This entry may be subdivided into 4 subentries, one for each service. ***<table>***

<title>SMR Code Explanation.**</title>**

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```
<tgroup cols="4">
<colspec colname="col1"/>
<colspec colname="col2"/>
<colspec colname="col3"/>
<colspec colname="col4"/>
<thead>
<row>
<entry>Source Code</entry>
<entry nameend="col3" namest="col2">Maintenance Code</entry>
<entry>Recoverability Code</entry>
</row>
</thead>
<tbody>
<row>
<entry>XX</entry>
<entry nameend="col3" namest="col2">XX</entry>
<entry>X</entry>
</row>
<row>
<entry>1st two positions: How to get an item.</entry>
<entry>3rd position: Who can install, replace, or use the item.</entry>
<entry>4th position: Who can do complete repair on the item </entry>
<entry>5th position: Who determines disposition action on
unserviceable items.<note>
<trim.para>Complete Repair: Maintenance capacity, capability,
and authority to perform all corrective maintenance tasks of the
"Repair" function in a use/user environment in order to restore
serviceability to a failed item.</trim.para>
</note></entry>
</row>
</tbody>
</tgroup>
</table></para>
<para>Source Code. The source code tells you how you get an item
needed for maintenance, repair, or overhaul of an end item/equipment.
Explanations of source codes follow: <table>
<title>Source Code Explanation.</title>
```

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<tgroup cols="2">

<thead>

<row>

<entry>Source Code</entry>

<entry>Application/Explanation</entry>

</row>

</thead>

<tbody>

<row>

<entry>PA<brk/>PB<brk/>PC<brk/>PD<brk/>PE<brk/>PF<brk-/>PG<brk/>PH<brk />PR<brk/>PZ</entry>

<entry>Stock items; use the applicable NSN to requisition/request items with these source codes. They are authorized to the level indicated by the code entered in the third position of the SMR code. <note>

<trim.para>Items coded PC are subject to deterioration.</trim.para>

</note></entry>

</row>

<row>

<entry>KD<brk/>KF<brk/>KB</entry>

<entry>Items with these codes are not to be requested/requisitioned individually. They are part of a kit that is authorized to the maintenance level indicated in the third position of the SMR code. The complete kit must be requisitioned and applied.</entry>

</row>

<row>

<entry>MF Made at maintainer level</entry>

<entry morerows="3">Items with these codes are not to be requisitioned/requested individually. They must be made from bulk material which is identified by the P/N in the DESCRIPTION AND USABLE ON CODE (UOC) entry and listed in the bulk material group work package of the PI. If the item is authorized to you by the third position code of the SMR code, but the source code indicates it is made at higher level, order the item from the higher level of maintenance.</entry>

</row>

<row>

<entry>MH Made at below depot sustainment level</entry>

</row>

<row>

<entry>ML Made at SRA</entry>

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```
</row>
<row>
<entry>MD Made at depot MG-Navy only</entry>
</row>
<row>
<entry>AF Assembled by maintainer level </entry>
<entry morerows="4">Items with these codes are not to be
requested/requisitioned individually. The parts that make up the
assembled item must be requisitioned or fabricated and assembled at
the level of maintenance indicated by the source code. If the third
position of the SMR code authorizes you to replace the item, but the
source code indicates the item is assembled at a higher level, order the
item from the higher level of maintenance.</entry>
</row>
<row>
<entry>AH Assembled by below depot sustainment level</entry>
</row>
<row>
<entry>AL Assembled by SRA </entry>
</row>
<row>
<entry>AD Assembled by depot</entry>
</row>
<row>
<entry>AG</entry>
</row>
<row>
<entry>XA</entry>
<entry>Do not requisition an "XA" coded item. Order the next higher
assembly. (Refer to NOTE below.)</entry>
</row>
<row>
<entry>XB</entry>
<entry>If an item is not available from salvage, order it using
the CAGEC and P/N.</entry>
</row>
<row>
<entry>XC</entry>
```

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*<entry>*Installation drawings, diagrams, instruction sheets, field service drawings; identified by manufacturer's P/N.**</entry>**

</row>

<row>

*<entry>*XD**</entry>**

*<entry>*Item is not stocked. Order an XD coded item through local purchase or normal supply channels using the CAGEC and P/N given, if no NSN is available. *<note>*

*<trim.para>*Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes except for those items source coded "XA" or those aircraft support items restricted by requirements of AR 750 1.**</trim.para>**

</note></entry>

</row>

</tbody>

</tgroup>

</table></para>

*<para>*Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows: **</para>**

*<para>*Third Position. The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following levels of maintenance: **</para>**

*<para>*Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows: **</para>**

*<para>*Third Position. The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following levels of maintenance: *<table>*

<tgroup cols="2">

<thead>

<row>

*<entry>*Maintenance Code**</entry>**

*<entry>*Application/Explanation**</entry>**

</row>

</thead>

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```
<tbody>
<row>
<entry>C</entry>
<entry>Crew</entry>
</row>
<row>
<entry>F</entry>
<entry>Maintainer maintenance can remove, replace, and
use the item.</entry>
</row>
<row>
<entry>H</entry>
<entry>Below Depot Sustainment maintenance can remove,
replace, and use the item.</entry>
</row>
<row>
<entry>L</entry>
<entry>Specialized repair activity can remove, replace, and
use the item.</entry>
</row>
<row>
<entry>G </entry>
<entry>Afloat and ashore intermediate maintenance can remove,
replace, and use the item</entry>
</row>
<row>
<entry>K </entry>
<entry>Contractor facility can remove, replace, and use the item</entry>
</row>
<row>
<entry>Z</entry>
<entry>Item is not authorized to be removed, replace, or used at
any maintenance level (Navy only)</entry>
</row>
<row>
<entry>D</entry>
<entry>Depot can remove, replace, and use the item.</entry>
```

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```
</row>
</tbody>
</tgroup>
</table></para>
<para>Fourth Position. The maintenance code entered in the fourth
position tells you whether or not the item is to be repaired and identifies
the lowest maintenance level with the capability to do complete repair
(perform all authorized repair functions).<table>
<tgroup cols="2">
<thead>
<row>
<entry>Maintenance Code</entry>
<entry>Application/Explanation</entry>
</row>
</thead>
<tbody>
<row>
<entry>F</entry>
<entry>Maintainer is the lowest level that can do complete
repair of the item.</entry>
</row>
<row>
<entry>H</entry>
<entry>Below Depot Sustainment is the lowest level that can do
complete repair of the item.</entry>
</row>
<row>
<entry>L</entry>
<entry>Specialized repair activity (enter specialized repair activity
designator) is the lowest level that can do complete repair of the item.</entry>
</row>
<row>
<entry>D</entry>
<entry>Depot is the lowest level that can do complete re-
pair of the item.</entry>
</row>
<row>
```

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<entry>G</entry>

<entry>Both afloat and ashore intermediate levels are capable of complete repair of item. (Navy only)</entry>

</row>

<row>

<entry>K</entry>

<entry>Complete repair is done at contractor facility</entry>

</row>

<row>

<entry>Z</entry>

<entry>Nonreparable. No repair is authorized.</entry>

</row>

<row>

<entry>B</entry>

<entry>No repair is authorized. No parts or special tools are authorized for maintenance of "B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.</entry>

</row>

</tbody>

</tgroup>

</table></para>

<para>Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is shown in the fifth position of the SMR code as follows: <table>

<tgroup cols="2">

<thead>

<row>

<entry>Recoverability Code</entry>

<entry>Application/Explanation</entry>

</row>

</thead>

<tbody>

<row>

<entry>Z</entry>

<entry>Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third position of the SMR code.</entry>

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</row>

<row>

<entry>F</entry>

<entry>Reparable item. When uneconomically reparable, condemn and dispose of the item at the field level.</entry>

</row>

<row>

<entry>H</entry>

<entry>Reparable item. When uneconomically reparable, condemn and dispose of the item at the below depot sustainment level.</entry>

</row>

<row>

<entry>D</entry>

<entry>Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item are not authorized below depot level.</entry>

</row>

<row>

<entry>L</entry>

<entry>Reparable item. Condemnation and disposal not authorized below Specialized Repair Activity (SRA)/TASMG.</entry>

</row>

<row>

<entry>A</entry>

<entry>Item requires special handling or condemnation procedures because of specific reasons (such as precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.</entry>

</row>

<row>

<entry>G</entry>

<entry>Field level reparable item. Condemn and dispose at either afloat or ashore intermediate levels.</entry>

</row>

<row>

<entry>K</entry>

<entry>Reparable item. Condemnation and disposal to be performed at contractor facility.</entry>

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</row>

<row>

<entry>Z**</entry>**

<entry>Item is not authorized to be removed, replace, or used at any maintenance level (Navy only)**</entry>**

</row>

<row>

<entry>D**</entry>**

<entry>Depot can remove, replace, and use the item.**</entry>**

</row>

</tbody>

</tgroup>

</table></para>

<para>NSN (Column (3)). The NSN(s) for the item is listed in this column. **</para>**

<para>CAGEC (Column (4)). The Commercial and Government Entity Code (CAGEC) is a five digit code which is used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.**</para>**

<para>PART NUMBER (Column (5)). Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items. **</para>**

<note>

<trim.para>When you use an NSN to requisition an item, the item you receive may have a different part number from the number listed.**</trim.para>**

</note>

<para>DESCRIPTION AND USABLE ON CODE (UOC) (Column (6)). This column includes the following information:***<seqlist>***

<item>The federal item name, and when required, a minimum description to identify the item.**</item>**

<item>Part numbers of any bulk materials required if the item is to be locally manufactured or fabricated.**</item>**

<item>Hardness Critical Item (HCI). Items that require special handling or procedures to ensure protection against electromagnetic pulse (EMP) damage are marked with the letters 'HCI.'**</item>**

<item>The statement END OF FIGURE appears below the last item description in column (6) for each figure in the repair parts list, special tools repair parts, kits, bulk items, and special tools list work packages. **</item>**

</seqlist></para>

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*<para>*QTY (Column (7)). The QTY (quantity per figure) column indicates the quantity of the item used in the breakout shown on the illustration/figure. A "V" appearing in this column instead of a quantity indicates that the quantity is variable and quantity may change from application to application. (MC) Include for Marine Corps manuals only. USMC QTY per Equip (Column (8)). This column indicates the total quantity of the item used on the equipment.**</para>**

</para0>

<para0>

<title> EXPLANATION OF CROSS REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS**</title>**

<para><seqlist>

<item> 1. National Stock Number (NSN) Index Work Package. NSNs in this index are listed in National Item Identification Number (NIIN) sequence.*<randlist>*

<item> STOCK NUMBER Column. This column lists the NSN in NIIN sequence. The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.**</item>**

*<item>*For example, if the NSN is 5385-01-574-1476, the NIIN is 01-574-1476.**</item>**

*<item>*FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in the repair parts list and special tools list work packages.**</item>**

*<item>*ITEM Column. This column identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.**</item>**

</randlist></item>

*<item>*Part Number (P/N) Index Work Package. Part numbers in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combinations which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).*<randlist>*

<item> PART NUMBER Column. This column indicates the part number assigned to the item. **</item>**

*<item>*FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list and special tools list work packages.**</item>**

*<item>*ITEM Column. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column. Include item 3 if reference designator index is used.**</item>**

</randlist></item>

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*<item>*Reference Designator Index Work Package. Reference designators in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combination which places the first letter or digit of each group in order "A" through "Z," followed by the numbers "0" through "9" and each following letter or digit in like order).*<randlist>*

*<item>*REFERENCE DESIGNATOR Column. This column indicates the reference designator assigned to the item. **</item>**

*<item>*FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list or special tools list work package. **</item>**

*<item>*ITEM Column. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column.**</item>**

</randlist> </item>

</seqlist></para>

</para0>

<para0>

*<title>*SPECIAL INFORMATION UOC.**</title>**

*<para>*The UOC appears in the lower left corner of the Description Column heading. Usable on codes are shown as "UOC:" in the Description Column (justified left) on the first line under the applicable item/nomenclature. Uncoded items are applicable to all models. Examples of the UOCs used in the RPSTL are: *<table>*

<tgroup cols="2">

<thead>

<row>

*<entry>*Code**</entry>**

*<entry>*Used On**</entry>**

</row>

</thead>

<tbody>

<row>

*<entry>*PAA **</entry>**

*<entry>*Model M114**</entry>**

</row>

<row>

*<entry>*PAB**</entry>**

*<entry>*Model M114A**</entry>**

</row>

<row>

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*<entry>*PAC**</entry>**

<entry> Model M114B**</entry>**

</row>

</tbody>

</tgroup>

</table> Include appropriate UOC content, as applicable.**</para>**

*<para>*Fabrication Instructions. Bulk materials required to manufacture items are listed in the bulk material work package of this RPSTL. Part numbers for bulk material are also referenced in the Description Column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in (enter applicable TM number).**</para>**

*<para>*Index Numbers. Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross reference between the NSN/Part Number (P/N) Index work packages and the bulk material list in the bulk items work package. For a combined narrative RPSTL manual associated publications shall not be included. **</para>**

*<para>*Associated Publications. The publication(s) listed below pertain to the (enter item name): *<table>*

<tgroup cols="2">

<thead>

<row>

*<entry>*Publication**</entry>**

*<entry>*Short Title**</entry>**

</row>

</thead>

<tbody>

<row>

*<entry>***</entry>**

</row>

</tbody>

</tgroup>

</table> The following paragraph shall appear only in the field maintenance RPSTL special instructions.**</para>**

*<para>*Illustrations List. The illustrations in this RPSTL contain field authorized items. Illustrations published in (enter applicable TM number for the higher maintenance level RPSTL, e.g., for field, below depot sustainment, etc.) that contain field authorized items also appear in this RPSTL. The tabular list in the repair parts list work package contains only

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those parts coded "F" in the third position of the SMR code, therefore, there may be a break in the item number sequence.**</para>**

</para0>

<para0>

*<title>*HOW TO LOCATE REPAIR PARTS**</title>**

<para><seqlist>

*<item>*When NSNs or Part Numbers Are Not Known. First. Using the table of contents, determine the assembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and lists are divided into the same groups. Second. Find the figure covering the functional group or the subfunctional group to which the item belongs. Third. Identify the item on the figure and note the number(s). Fourth. Look in the repair parts list work packages for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.**</item>**

*<item>*When NSN Is Known. First. If you have the NSN, look in the STOCK NUMBER column of the NSN index work package. The NSN is arranged in NIIN sequence. Note the figure and item number next to the NSN. Second. Turn to the figure and locate the item number. Verify that the item is the one for which you are looking**</item>**

*<item>*When Part Number Is Known. First. If you have the part number and not the NSN, look in the PART NUMBER column of the part number index work package. Identify the figure and item number. Second. Look up the item on the figure in the applicable repair parts list work package." Include item 4 only if the RPSTL has a reference designator index work package.**</item>**

*<item>*When Reference Designator Is Known. First. If you know the reference designator, look in the REFERENCE DESIGNATOR column of the reference designator index work package. Note the figure and item number. Second. Turn to the figure and locate the item number. Verify that the item is the one for which you are looking.**</item>**

</seqlist></para>

</para0>

<para0>

*<title>*ABBREVIATIONS**</title>**

<para><table>

<tgroup cols="2">

<thead>

<row>

*<entry>*Abbreviation**</entry>**

*<entry>*Explanation**</entry>**

</row>

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</thead>

<tbody>

<row>

<entry>Include uncommon abbreviations used in the RPSTL. List/define those not found in ASME Y14.38**</entry>**

</row>

</tbody>

</tgroup>

</table></para>

</para0> "

&introwp.intro.assoc-pubs;

Associated Publications (Editable) – ***Introduction – RPSTL***

The verbatim associated publications text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. The text entity is used only when developing a separate RPSTL TM and associated publications exist. For each associated publication insert the publication number (***<term>***) and publication title (***<def> <para>***). Each associated publication is wrapped with pointer identifier (***<term.def>***). Replace the sample data with actual associated publication data.

ELEMENT USED IN: ***&introwp.intro-av;and &introwp.intro-non-aviation;***

BOILERPLATE TEXT: **"**<![IGNORE[

<para hcp="no" esd="no">Associated Publications. The publication(s) listed below pertains to the ***&introwp.intro.item;***

<deflist>

<title.term.def>

<title>Publication**</title>**

<title>Short Title**</title></title.term.def>**

<term.def id="rpstl.publication.DOCUMENT_NUMBER">

<term><extref docno="INSERT DOCUMENT_NUMBER"/></term>

<def><para esd="no" hcp="no">INSERT PUBLICATION SHORT TITLE**</para></def>**

</term.def>

</deflist></para>

]]> **"**

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&introwp.intro.fab-tm; *Fabrication Instructions TM Number (Editable)* – ***Introduction – RPSTL***

Replace the "docno" attribute value with the appropriate referenced Fabrication Instructions TM Number.

ELEMENT USED IN: ***&introwp.intro-av;and &introwp.intro-non-aviation;***

BOILERPLATE TEXT: "***<extref docno="INSERT FABRICATION INSTRUCTION TM NUMBER"/>*** "

&introwp.intro.higher-maint-tm; *Higher Maintenance RPSTL TM Number (Editable)* – ***Introduction – RPSTL***

Replace the "docno" attribute value with the appropriate referenced Higher Maintenance RPSTL TM Number.

ELEMENT USED IN: ***&introwp.intro-av;and &introwp.intro-non-aviation;***

BOILERPLATE TEXT: "***<extref docno="INSERT TM NUMBER FOR HIGHER MAINTENANCE LEVEL RPSTL DATA"/>*** "

&introwp.intro.index-format.nsn; *NSN Index Format Text* – ***Introduction – RPSTL***

The verbatim NSN index format text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: ***<introwp>***

BOILERPLATE TEXT: "***<item>***National Stock Number (NSN) Index Work Package. NSN***’***s in this index are listed in National Item Identification Number (NIIN) sequence.

<randlist bullet="yes">

<item>STOCK NUMBER <![***%frame-base;***[Entry]]><![***%page-base;***[Column]]>. This <![***%frame-base;***[entry]]><![***%page-base;***[column]]> lists the NSN in National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN. When using this <![***%frame-base;***[entry]]><![***%page-base;***[column]]> to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.**</item>**

<item>For example, if the NSN is 5385-01-574-1476, the NIIN is 01-574-1476.**</item>**

<item>FIG. <![***%frame-base;***[Entry]]><![***%page-base;***[Column]]>. This <![***%frame-base;***[entry]]><![***%page-base;***[column]]> lists the number of the figure where the item is identified/located. The figures are in numerical order in the repair parts list and special tools list work packages.**</item>**

<item>ITEM <![***%frame-base;***[Entry]]><![***%page-base;***[Column]]>. The item number identifies the item associated with the figure listed in the adjacent

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FIG. <![*%frame-base;*[entry]]><![*%page-base;*[column]]>. This item is also identified by the NSN listed on the same line.**</item></randlist></item> "**

&introwp.intro.index-format.pn; *Part Number Index Format Text* – ***Introduction – RPSTL***

The verbatim part number index format text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (*%page-base;*) or frame-based (IETM) (*%frame-base;*) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: *<introwp>*

BOILERPLATE TEXT: **"***<item>*Part Number (P/N) Index Work Package. P/Ns in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combinations which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order.)

<randlist bullet="yes">

*<item>*PART NUMBER <![*%frame-base;*[Entry]]><![*%page-base;*[Column]]>. Indicates the P/N assigned to the item.**</item>**

*<item>*FIG. <![*%frame-base;*[Entry]]><![*%page-base;*[Column]]>. This <![*%frame-base;*[entry]]><![*%page-base;*[column]]> lists the number of the figure where the item is identified/located in the repair parts list and special tools list work packages.**</item>**

*<item>*ITEM <![*%frame-base;*[Entry]]><![*%page-base;*[Column]]>. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number <![*%frame-base;*[entry]]><![*%page-base;*[column]]>.**</item></randlist></item> "**

&introwp.intro.index-format.refdes; *Reference Designator Index Format Text* – ***Introduction – RPSTL***

The verbatim reference designator index format text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (*%page-base;*) or frame-based (IETM) (*%frame-base;*) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: *<introwp>*

BOILERPLATE TEXT: **"***<item>*Reference Designator Index Work Package. Reference designators in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combination which places the first letter or digit of each group in order “A” through “Z”, followed by the numbers “0” through “9” and each following letter or digit in like order.)

<randlist bullet="yes">

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<item>REFERENCE DESIGNATOR <![***%frame-base;***[Entry]]><![***%page-base;***[Column]]>. Indicates the reference designator assigned to the item.**</item>**

<item>FIG. <![***%frame-base;***[Entry]]><![***%page-base;***[Column]]>. This <![***%frame-base;***[entry]]><![***%page-base;***[column]]> lists the number of the figure where the item is identified/located in the repair parts list or special tools list work package.**</item>**

<item>ITEM <![***%frame-base;***[Entry]]><![***%page-base;***[Column]]>. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number <![***%frame-base;***[entry]]><![***%page-base;***[column]]>.**</item></randlist></item> "**

&introwp.intro.item; *Equipment Nomenclature Text (Editable)* ***– Introduction – RPSTL***

Replace the text with the appropriate equipment nomenclature.

ELEMENT USED IN: ***&introwp.intro-av;and &introwp.intro-non-aviation;***

BOILERPLATE TEXT: **"**INSERT EQUIPMENT NOMENCLATURE**"**

&introwp.intro.locate-repair-parts.refdes;*Locate Reference Designator Text* ***– Introduction – RPSTL***

The verbatim how to locate a reference designator text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: ***<introwp>***

BOILERPLATE TEXT: **"*****<item>***When Reference Designator Is Known.

<randlist bullet="yes"><item>First. If you know the reference designator, look in the REFERENCE DESIGNATOR <![***%frame-base;***[entry]]><![***%page-base;***[column]]> of the reference designator index work package. Note the figure and item number.**</item>**

<item>Second. Turn to the figure and locate the item number. Verify that the item is the one you are looking for.**</item></randlist></item> "**

&introwp.intro.lowest-maint; *Lowest Maintenance Level Text (Editable)* ***– Introduction – RPSTL***

Replace the text with the lowest maintenance level permitted access to the RPSTL data.

ELEMENT USED IN: ***&introwp.intro-av;and &introwp.intro-non-aviation;***

BOILERPLATE TEXT: **"**INSERT LOWEST MAINTENANCE LEVEL**"**

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&introwp.intro.repair-act-des; *Specialized Repair Activity Designator (Editable)* – ***Introduction – RPSTL***

Replace the text with the specialized repair activity designator.

ELEMENT USED IN: ***&introwp.intro-av;and &introwp.intro-non-aviation;***

BOILERPLATE TEXT: **"**INSERT SPECIALIZED REPAIR ACTIVITY DESIGNATOR**"**

&introwp.intro.uncommon-abbr; *Uncommon Abbreviations (Editable)* – ***Introduction – RPSTL***

The verbatim uncommon abbreviations text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. For each uncommon abbreviation insert the abbreviation (***<term>***) and abbreviation meaning (***<def> <para>***). Each abbreviation is wrapped with pointer identifier (***<term.def>***). Replace the sample data with actual abbreviation data.

ELEMENT USED IN: ***&introwp.intro-av;and &introwp.intro-non-aviation;***

BOILERPLATE TEXT: **"*<term.def id="uncommon-abbr.INSERT_ABBREVIATION ">***

<term>INSERT ABBREVIATION**</term>**

<def>

<para hcp="no" esd="no">INSERT ABBREVIATION MEANING **</para></def></term.def>"**

&inventorywp.prdinv; *Periods of Inventory* – ***Aircraft Inventory***

The verbatim aircraft periods of inventory text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<inventorywp>***

BOILERPLATE TEXT: **"*<prdinv><title>***PERIODS OF INVENTORY**</title>**

<para hcp="no" esd="no">Inventoriable items shall be checked against the ***<extref pretext="Aircraft Inventory Record, " docno="DA Form 2408-17"/>***, at the following periods

<seqlist>

<item>Upon receipt.**</item>**

<item>Prior to transfer of the aircraft to another organization.**</item>**

<item>Upon placing aircraft in storage and upon removal from storage. Aircraft need not be inventoried while in storage.**</item>**

<item>Twelve months after last inventory.**</item>**

</seqlist></para></prdinv> "

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&macintrowp.intro-av; *Aviation* – ***Introduction – Maintenance Allocation Chart (MAC)***

The verbatim MAC Aviation introduction IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: ***<macintrowp>***

BOILERPLATE TEXT: **"*<intro><para0>***

<title>Introduction**</title>**

<subpara1>

<title>Aviation Maintenance Allocation Chart**</title>**

<para>The MAC (immediately following the introduction) designates overall authority and responsibility for the performance of maintenance tasks on the identified end item or component. The application of the maintenance tasks to the end item or component shall be consistent with the capacities and capabilities of the designated maintenance level which are shown on the MAC as: ***<seqlist>***

<item>Field - includes two columns:***<seqlist>***

<item>"O" which corresponds to Aviation Maintenance Company (AMC) and **</item>**

<item>"F" which corresponds to Aviation Support Battalion (ASB)**</item> </seqlist> </item>**

<item>Sustainment - includes two columns: ***<seqlist>***

<item>"L" which corresponds to Theater Aviation Sustainment Maintenance Group (TASMG) and other organizations that have National Maintenance Program certification and **</item>**

<item>"D" which corresponds to Depot**</item></seqlist></item></seqlist ></para>**

<para>The maintenance to be performed is described as follows: ***<seqlist>***

<item>Field maintenance activities:***<seqlist>***

<item>Aviation Maintenance Company (AMC). The aviation maintenance company is the lowest level of aviation field maintenance. The AMC provides direct support to aircraft operations, performing functions of aircraft servicing (daily, preflight, post-flight inspections, refuel, arming), Battle Damage Assessment and Repair (BDAR), and repair or replacement actions as specified in the MAC.**</item>**

<item>Aviation Support Company (ASC) in the Aviation Support Battalion

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(ASB). The ASB performs the following types of maintenance: *<seqlist>*
<item> Off equipment repair of LRUs or other components within the limits prescribed in the MAC.**</item>**
*<item>*Inspections beyond the capability of the AMC.**</item>**
*<item>*BDAR as required. **</item>**
*<item>*Provide support to AMC personnel during peak workload periods as determined by local policy.**</item></seqlist></item></seqlist></item>**
*<item>*Sustainment maintenance*<seqlist>*
<item> Aviation Classification and Repair Activity Depot (AVCRAD). The AVCRAD performs the following: *<seqlist>*
<item> Provides support to CONUS forces**</item>**
*<item>*Provides support to OCONUS deployed forces (as the Theater Aviation Support Maintenance Group (TASMG).**</item>**
*<item>*Expands aviation maintenance capabilities of CONUS depots**</item>**
*<item>*Classifies and inspects aviation stocks and components.**</item>**
*<item>*Performs maintenance actions beyond the scope of the AMC or ASB within the limits prescribed in the MAC.**</item>**
<item> Augments ASB and AMC maintenance tasks.**</item></seqlist> </item>**
</seqlist></item>
*<item>*Depot.**</item></seqlist></para>**
</subpara1>*<subpara1>*
*<title>*Use of the MAC**</title>**
<note>
*<trim.para>*Approved item names are used throughout this MAC. Generic terms/ nomenclature (if any) are expressed in parentheses and are not to be considered as official terminology. **</trim.para>**
</note>
*<para>*The MAC assigns maintenance tasks to the lowest level of maintenance. **</para>**
<subpara2>
*<title>*Maintenance tasks**</title>**
*<para>*Maintenance tasks are limited to and defined as follows:*<seqlist>*
*<item>*Inspect. A function to determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound,

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or feel).**</item>**

<item>Test. To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics of an item and comparing those characteristics with prescribed standards, e.g., load testing of lift devices or hydrostatic testing of pressure hoses. **</item>**

<item>Service. Operations required periodically to keep an item in proper operating condition; e.g., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases. **</item>**

<item>Adjust. To maintain or regulate, within prescribed limits, by bringing into proper position, or by setting the operating characteristics to specified parameters. **</item>**

<item>Align. To adjust specified variable elements of an item to bring about optimum or desired performance. **</item>**

<item>Calibrate. To determine and cause corrections to be made or to be adjusted on instruments of test, measuring, and diagnostic equipment used in precision measurement. It consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.**</item>**

<item>Remove. The act of taking a sub component off an asset to allow repair or replacement of that sub-component, or to facilitate other maintenance. **</item>**

<item>Install. The act of placing, positioning, or otherwise locating a component or sub-component to make it part of a higher level end item. Install can be to install a new asset for the first time or reinstall an asset previously removed. The maintenance level allowed to perform an installation is determined by the third position in the SMR code. **</item>**

<item>Paint. This is a function to prepare and apply coats of paint. When used with munitions, the paint is applied so the ammunition can be identified and protected. **</item>**

<item>Replace. To install a serviceable component in its place in place of one that is unserviceable or a required time change asset. "Replace" is authorized by the MAC and the assigned maintenance level is shown as the third position code of the SMR code. **</item>**

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*<item>*Repair. The application of maintenance actions, including fault location/troubleshooting, removal, installation, disassembly, assembly, or other maintenance actions to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in the item. *<note>*

*<trim.para>*The following definitions are applicable to the "repair" maintenance task: **</trim.para>**

<trim.para> Fault location/troubleshooting. The process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or Unit Under Test (UUT). Actions. Welding, grinding, riveting, straightening, facing, machining, and/or resurfacing.**</trim.para>**

</note></item>

*<item>*Overhaul. This is the maintenance effort (service/action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards in the appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to a like new condition. **</item>**

<item> Rebuild. This consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (e.g., hours/miles) considered in classifying Army equipment/components. **</item>**

*<item>*Lubricate. The act of applying a material (e.g., oil or grease) to reduce friction and allow a component to operate in a more efficient manner. **</item>**

*<item>*Mark. The process of restoring obliterated identification on an asset. **</item>**

*<item>*Pack. To place an item to a container for either storage or shipment after service and other maintenance operations have been completed.**</item>**

*<item>*Unpack. The act or removing an asset from a storage or shipping container in preparation to perform further maintenance (e.g., repair

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or install). **</item>**

<item>Preserve. The action required to treat systems and equipment whether installed or stored, to ensure a serviceable condition. **</item>**

<item>Prepare for use. Those steps required to make an asset ready for other maintenance (e.g., remove preservatives, lubricate, etc.). **</item>**

<item> Load. This may be one of two tasks: ***<seqlist>***

<item>For transportation, the act of placing assets onto a transportation medium (e.g., pallet, truck, container).**</item>**

<item> For weapons/weapons systems, the act of placing munitions into the weapon/weapons system. **</item></seqlist></item>**

<item>Unload. This may be one of two tasks:***<seqlist>***

<item>For transportation, the act of removing assets from a transportation medium (e.g., pallet, truck, container). **</item>**

<item>For weapons/weapons systems, the act of removing munitions from the weapon/weapons system. **</item></seqlist>**Assemble. The step-by step instructions to join the component pieces of an asset together to make a complete serviceable asset. **</item>**

<item>Disassemble. The step-by-step breakdown (taking apart) of a spare/functional group coded item to the level of its least component, that is assigned an SMR code for the level of maintenance under consideration (i.e., identified as maintenance significant) **</item>**

<item>Clean. Step-by-step instructions on how to remove dirt, corrosion or other contaminants from equipment. **</item>**

<item>Non destructive inspection. Step-by-step instructions on preparation and accomplishment of non destructive inspections. **</item>**

<item>Place in service. Step-by-step instructions required to place an item into service that are not covered in the service upon receipt work package. **</item>**

<item>Radio interference suppression. Step-by-step instructions to ensure installed equipment, either communication or other electronics, does not interfere with installed communication equipment. **</item>**

<item>Arm. Detailed instructions on activating munitions prior to use.**</item>**

<item><note>

<trim.para>The following tasks may grouped together as ground handling tasks. **</trim.para>**

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</note>Towing. The step-by-step instructions to connect one vehicle to another for the purpose of having one vehicle moved through the motive power of the other vehicle. **</item>**
*<item>*Jacking. The step-by-step instructions to mechanically raise or lift a vehicle to facilitate maintenance on the vehicle. **</item>**
*<item>*Parking. Step-by-step instructions to safely place a vehicle in a lot, ramp area or other designated location. **</item>**
*<item>*Mooring. Step-by-step instructions to secure a vehicle by chains, ropes or other means to protect the vehicle from environmental conditions or secure for transportation. **</item>**
*<item>*Covering. Step-by-step instructions to place a protective wrapping over a vehicle to protect it from environmental conditions or to hide (e.g., camouflage) it. **</item>**
*<item>*Hoisting. Step-by-step instructions to allow a vehicle to be raised by cables or ropes through attaching points. **</item>**
*<item>*Sling loading. Step-by-step instructions to place a sling around a vehicle to allow it to be raised. External power. Step-by-step instructions on how to apply electrical power from any authorized power source (e.g., external generator or facility power). **</item>**
</seqlist></para>
</subpara2></subpara1>*<subpara1>*
*<title>*Explanation of Columns in the MAC**</title>**
*<para>*Column (1) Group Number. Column (1) lists Functional Group Code (FGC) numbers, the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the Next Higher Assembly (NHA). Column (2) Component/Assembly.**</para>**
<para> Column (2) contains the item names of components, assemblies, subassemblies, and modules for which maintenance is authorized. **</para>**
*<para>*Column (3) Maintenance task. Column (3) lists the functions to be performed on the item listed in column (2). (For a detailed explanation of these functions, refer to "Maintenance tasks" outlined previously).**</para>**
*<para>*Column (4) Maintenance Level. Column (4) specifies each level/class of maintenance authorized to perform each function listed in column (3), by indicating work time required (expressed as man-hours in whole hours or decimals) in the appropriate sub column. This work time figure

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represents the active time required to perform that maintenance task at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance task varies at different maintenance levels, appropriate work time figures are to be shown for each level. **</para>**

*<para>*The work time figure represents the average time required to perform the prescribed task (assembly, subassembly, component, module, end item, or system) on the item under typical operating conditions for that maintenance level. This time includes preparation time (including any necessary disassembly/assembly time), troubleshooting/fault location time, and quality assurance time in addition to the time required to perform the specific tasks identified for the maintenance tasks authorized in the MAC. The symbol designations for the various maintenance levels are as follows:*<randlist>*

*<item>*Field:*<randlist>*

*<item>*O Aviation Maintenance Company**</item>**

*<item>*F Aviation Support Battalion**</item></randlist></item>**

*<item>*Sustainment*<randlist>*

*<item>*L Aviation Classification and Repair Activity Depot**</item>**

*<item>*D Depot**</item></randlist></item>**

</randlist></para>

*<para>*Column (5) Tools and Equipment Reference Code. Column (5) specifies,

by code, those common tool sets (not individual tools), common Test, Measurement and Diagnostic Equipment (TMDE), and special tools, special TMDE and special support equipment required to perform the designated function. Codes are keyed to the entries in the tools and test equipment table. **</para>**

*<para>*Column (6) Remarks Code. When applicable, this column contains a letter code, in alphabetical order, which is keyed to the remarks table entries.**</para>**

</subpara1>*<subpara1>*

*<title>*Explanation of Columns in the Tools and Test Equipment Requirements**</title>**

<para><randlist>

*<item>*Column (1) - Tool or Test Equipment Reference Code. The tool

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or test equipment reference code correlates with a code used in column (5) of the MAC. **</item>**

*<item>*Column (2) - Maintenance Level. The lowest level of maintenance authorized to use the tool or test equipment. **</item>**

*<item>*Column (3) - Nomenclature. Name or identification of the tool or test equipment. **</item>**

*<item>*Column (4) - National Stock Number (NSN). The NSN of the tool or test equipment. **</item>**

*<item>*Column (5) - Tool Number. The manufacturer's part number. **</item>**

</randlist></para>

</subpara1>*<subpara1>*

*<title>*Explanation of Columns in the Remarks **</title>**

<para><randlist>

*<item>*Column (1) - Remarks Code. The code recorded in column (6) of the MAC. **</item>**

*<item>*Column (2) - Remarks. This column lists information pertinent to the maintenance task being performed as indicated in the MAC. **</item>**

</randlist></para>

</subpara1></para0></intro> "

&macintrowp.intro-std;

Standard – ***Introduction – Maintenance Allocation Chart (MAC)***

The verbatim MAC Aviation introduction IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text.

ELEMENT USED IN: ***<macintrowp>***

BOILERPLATE TEXT: **"***<intro><para0>*

*<title>*Maintenance allocation chart (MAC) introduction**</title>**

<subpara1>

*<title>*The Army Maintenance System MAC**</title>**

*<para>*This introduction provides a general explanation of the maintenance and repair functions. **</para>**

*<para>*The MAC (immediately following this introduction) designates overall authority and responsibility for the performance of maintenance tasks on the identified end item or component. The application of the maintenance tasks to the end item or component shall be consistent with

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the capacities and capabilities of the designated maintenance levels, which are shown in the MAC in column (4). Column (4) is divided into two secondary columns. These columns indicate the maintenance levels of 'Field' and 'Sustainment'. Each maintenance level column is further divided into two sub-columns. These sub-columns identify the maintenance classes and areas follows:*<seqlist>*

*<item>*Field level maintenance classes:*<seqlist>*

*<item>*Crew maintenance. This is the responsibility of a using organization to perform maintenance on its assigned equipment. It normally consists of inspecting, servicing, lubricating, adjusting, and replacing parts, minor assemblies, and subassemblies. Items with a "C" ("O" for joint service reporting) in the third position of the SMR code may be replaced at the crew level. A code of "C" ("O" for joint service) in the fourth position of the SMR code indicates complete repair is authorized at the crew level. **</item>**

*<item>*Maintainer maintenance. This is maintenance accomplished on a component, accessory, assembly, subassembly, plug-in unit, or other portion by field level units. This maintenance is performed either on the system or after it is removed. An "F" in the third position of the SMR code indicates replacement of assemblies, subassemblies, or other components is authorized at this level. An "F" in the fourth position of the SMR code indicates complete repair of the identified item is allowed at the Maintainer level. Items repaired at this level are normally returned to the user after maintenance is performed.**</item>**

</seqlist></item>

*<item>*Sustainment level maintenance classes:*<seqlist>*

*<item>*Below depot sustainment. This is maintenance accomplished on a component, accessory, assembly, subassembly, plug-in unit, or other portion either on the system or after it is removed. The item subject to maintenance has normally been forwarded to a maintenance facility away from the field level supporting units. An "H" in the third position of the SMR code indicates replacement of assemblies, subassemblies, or other components is authorized at this level. An "H" appearing in the fourth position of the SMR code indicates complete repair is possible at this level. Items are normally returned to the supply system after maintenance is performed at this level.**</item>**

*<item>*Depot. This is maintenance accomplished on a component, accessory, assembly, subassembly, plug-in unit, or other portion either on the system or after it is removed. Assets to be repaired at this level are normally returned to an Army Depot or authorized contractor facility. The replace function for this level of maintenance is indicated by the letter "D" or "K" appearing in the third position of the SMR code. A "D" or "K" appearing in the fourth position of the SMR code indicates complete repair is possible at the depot sustainment maintenance level. Items are returned to the supply system after maintenance is performed at this level.**</item></seqlist></item></seqlist></para>**

*<para>*The tools and test equipment requirements table (immediately following the MAC) lists the tools and test equipment (both special

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tools and common tool sets) required for each maintenance task as referenced from the MAC. **</para>**

*<para>*The remarks table (immediately following the tools and test equipment requirements) contains supplemental instructions and explanatory notes for a particular maintenance task.**</para>**

</subpara1>*<subpara1>*

*<title>*Maintenance tasks**</title>**

*<para>*Maintenance tasks are limited to and defined as follows:*<seqlist>*

*<item>*Inspect. A function to determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound, or feel).**</item>**

*<item>*Test. To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics of an item and comparing those characteristics with prescribed standards, e.g., load testing of lift devices or hydrostatic testing of pressure hoses. **</item>**

*<item>*Service. Operations required periodically to keep an item in proper operating condition; e.g., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases. **</item>**

*<item>*Adjust. To maintain or regulate, within prescribed limits, by bringing into proper position, or by setting the operating characteristics to specified parameters. **</item>**

*<item>*Align. To adjust specified variable elements of an item to bring about optimum or desired performance. **</item>**

*<item>*Calibrate. To determine and cause corrections to be made or to be adjusted on instruments of test, measuring, and diagnostic equipment used in precision measurement. It consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.**</item>**

*<item>*Remove. The act of taking a sub component off an asset to allow repair or replacement of that sub-component, or to facilitate other maintenance. **</item>**

*<item>*Install. The act of placing, positioning, or otherwise locating a component or sub-component to make it part of a higher level end item. Install can be to install a new asset for the first time or reinstall an asset previously removed. The maintenance level allowed to perform an installation is determined by the third position in the SMR code. **</item>**

*<item>*Paint. This is a function to prepare and apply coats of paint. When used with munitions, the paint is applied so the ammunition can be identified and protected. **</item>**

*<item>*Replace. To install a serviceable component in its place in place of one that is unserviceable or a required time change asset. "Replace"

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is authorized by the MAC and the assigned maintenance level is shown as the third position code of the SMR code. **</item>**

<item>Repair. The application of maintenance actions, including fault location/troubleshooting, removal, installation, disassembly, assembly, or other maintenance actions to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in the item. ***<note>***

<trim.para>The following definitions are applicable to the "repair" maintenance task: **</trim.para>**

<trim.para> Fault location/troubleshooting. The process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or Unit Under Test (UUT). Actions. Welding, grinding, riveting, straightening, facing, machining, and/or resurfacing.**</trim.para>**

</note></item>

<item>Overhaul. This is the maintenance effort (service/action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards in the appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to a like new condition. **</item>**

<item> Rebuild. This consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (e.g., hours/miles) considered in classifying Army equipment/components. **</item>**

<item>Lubricate. The act of applying a material (e.g., oil or grease) to reduce friction and allow a component to operate in a more efficient manner. **</item>**

<item>Mark. The process of restoring obliterated identification on an asset. **</item>**

<item>Pack. To place an item to a container for either storage or shipment after service and other maintenance operations have been completed.**</item>**

<item>Unpack. The act or removing an asset from a storage or shipping container in preparation to perform further maintenance (e.g., repair or install). **</item>**

<item>Preserve. The action required to treat systems and equipment whether installed or stored, to ensure a serviceable condition. **</item>**

<item>Prepare for use. Those steps required to make an asset ready for other maintenance (e.g., remove preservatives, lubricate, etc.). **</item>**

<item> Load. This may be one of two tasks: ***<seqlist>***

<item>For transportation, the act of placing assets onto a transportation medium (e.g., pallet, truck, container).**</item>**

<item> For weapons/weapons systems, the act of placing munitions into the weapon/weapons system. **</item></seqlist></item>**

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*<item>*Unload. This may be one of two tasks:*<seqlist>*

*<item>*For transportation, the act of removing assets from a transportation medium (e.g., pallet, truck, container). **</item>**

*<item>*For weapons/weapons systems, the act of removing munitions from the weapon/weapons system. **</item></seqlist>**Assemble. The step-by step instructions to join the component pieces of an asset together to make a complete serviceable asset. **</item>**

*<item>*Disassemble. The step-by-step breakdown (taking apart) of a spare/functional group coded item to the level of its least component, that is assigned an SMR code for the level of maintenance under consideration (i.e., identified as maintenance significant) **</item>**

*<item>*Clean. Step-by-step instructions on how to remove dirt, corrosion or other contaminants from equipment. **</item>**

*<item>*Non destructive inspection. Step-by-step instructions on preparation and accomplishment of non destructive inspections. **</item>**

*<item>*Place in service. Step-by-step instructions required to place an item into service that are not covered in the service upon receipt work package. **</item>**

*<item>*Radio interference suppression. Step-by-step instructions to ensure installed equipment, either communication or other electronics, does not interfere with installed communication equipment. **</item>**

*<item>*Arm. Detailed instructions on activating munitions prior to use.**</item>**

<item><note>

*<trim.para>*The following tasks may grouped together as ground handling tasks. **</trim.para>**

</note>Towing. The step-by-step instructions to connect one vehicle to another for the purpose of having one vehicle moved through the motive power of the other vehicle. **</item>**

*<item>*Jacking. The step-by-step instructions to mechanically raise or lift a vehicle to facilitate maintenance on the vehicle. **</item>**

*<item>*Parking. Step-by-step instructions to safely place a vehicle in a lot, ramp area or other designated location. **</item>**

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*<item>*Hoisting. Step-by-step instructions to allow a vehicle to be raised by cables or ropes through attaching points. **</item>**

*<item>*Sling loading. Step-by-step instructions to place a sling around a vehicle to allow it to be raised. External power. Step-by-step instructions

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on how to apply electrical power from any authorized power source (e.g., external generator or facility power). **</item>**

</seqlist></para>

</subpara1>*<subpara1>*

*<title>*Explanation of Columns in the MAC**</title>**

*<para>*Column (1) Group Number. Column (1) lists Functional Group Code (FGC) numbers, the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the Next Higher Assembly (NHA). Column (2) Component/Assembly.**</para>**

<para> Column (2) contains the item names of components, assemblies, subassemblies, and modules for which maintenance is authorized. **</para>**

*<para>*Column (3) Maintenance task. Column (3) lists the functions to be performed on the item listed in column (2). (For a detailed explanation of these functions, refer to "Maintenance tasks" outlined previously).**</para>**

*<para>*Column (4) Maintenance Level. Column (4) specifies each level/class of maintenance authorized to perform each function listed in column (3), by indicating work time required (expressed as man-hours in whole hours or decimals) in the appropriate sub column. This work time figure represents the active time required to perform that maintenance task at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance task varies at different maintenance levels, appropriate work time figures are to be shown for each level. **</para>**

*<para>*The work time figure represents the average time required to perform the prescribed task (assembly, subassembly, component, module, end item, or system) on the item under typical operating conditions for that maintenance level. This time includes preparation time (including any necessary disassembly/assembly time), troubleshooting/fault location time, and quality assurance time in addition to the time required to perform the specific tasks identified for the maintenance tasks authorized in the MAC. The symbol designations for the various maintenance levels are as follows:*<randlist>*

*<item>*Field:*<randlist>*

*<item>*C Crew maintenance**</item>**

*<item>*F Maintainer maintenance**</item></randlist></item>**

*<item>*Sustainment*<randlist>*

*<item>*L Special Repair Authority**</item>**

*<item>*H Below depot sustainment**</item>**

*<item>*D Depot maintenance**</item></randlist>***<note>***

*<trim.para>*The "L" maintenance level is not included in column (4) of the MAC. Functions to this level of maintenance are identified by work time figure in the "H" column of column (4), and an associated reference code is used in the REMARKS column (6). This code is keyed to the remarks and the SRA complete repair application is explained there.**</trim.para>**

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</note></item>

</randlist></para>

*<para>*Column (5) Tools and Equipment Reference Code. Column (5) specifies, by code, those common tool sets (not individual tools), common Test, Measurement and Diagnostic Equipment (TMDE), and special tools, special TMDE and special support equipment required to perform the designated function. Codes are keyed to the entries in the tools and test equipment table. **</para>**

*<para>*Column (6) Remarks Code. When applicable, this column contains a letter code, in alphabetical order, which is keyed to the remarks table entries.**</para>**

</subpara1>*<subpara1>*

*<title>*Explanation of Columns in the Tools and Test Equipment Requirements**</title>**

<para><randlist>

*<item>*Column (1) - Tool or Test Equipment Reference Code. The tool or test equipment reference code correlates with a code used in column (5) of the MAC. **</item>**

*<item>*Column (2) - Maintenance Level. The lowest level of maintenance authorized to use the tool or test equipment. **</item>**

*<item>*Column (3) - Nomenclature. Name or identification of the tool or test equipment. **</item>**

*<item>*Column (4) - National Stock Number (NSN). The NSN of the tool or test equipment. **</item>**

*<item>*Column (5) - Tool Number. The manufacturer's part number. **</item>**

</randlist></para>

</subpara1>*<subpara1>*

*<title>*Explanation of Columns in the Remarks **</title>**

<para><randlist>

*<item>*Column (1) - Remarks Code. The code recorded in column (6) of the MAC. **</item>**

*<item>*Column (2) - Remarks. This column lists information pertinent to the maintenance task being performed as indicated in the MAC. **</item>**

</randlist></para>

</subpara1></para0></intro>"

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&maintwp.orsch; *Overhaul And Retirement Schedule Introduction Text* – ***Maintenance***

The verbatim Overhaul And Retirement Schedule introduction text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<orsch>***

BOILERPLATE TEXT: **"**Units of operating equipment that are to be overhauled or retired at the period specified are listed here. Unless otherwise specified in ***<extref docno="TM 1-1500-328-23" posttext=", Aeronautical Equipment Maintenance Management Policies and Procedures"/>***, removal of equipment for overhaul may be accomplished at the inspection nearest the time when overhaul is due. **"**

&maintwp.ppm.packaging; *Packaging Information* – ***Preservation, Packaging, and Marking (PPM) – Maintenance***

The verbatim PPM packaging information text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pack>***

BOILERPLATE TEXT: **"*<geninfo>***

<para0>

<title>PACKAGING**</title>**

<para>Military preservation, Level A packing, and marking shall be accomplished

in accordance with the specific packaging instructions contained in ***&maintwp.ppm.packaging.wp;***.**</para>**

</para0>

<para0>

<title>MARKING FOR SHIPMENT AND STORAGE**</title>**

<para><seqlist>

<item>Storage: In addition to any special markings called out on the special packaging instruction (SPI) or in the packaging requirements code, all unit packages, intermediate packs, exterior shipping containers, and, as applicable, unitized loads shall be marked in accordance with ***<extref docno="MIL-STD-129"/>*** including bar coding. The repair facility is responsible for application of special markings as required by ***<extref docno="MIL-STD-129"/>*** regardless of whether specified in the contract/order or not. Special markings include, but are not limited to, Shelf-life markings, structural markings, and transportation special handling markings. The marking of pilferable and sensitive materiel will not identify the nature of the materiel.**</item>**

<item>Shipment: The repair facility shall apply identification and address markings with bar codes in accordance with ***<extref docno="MIL-STD-129"/>***. A Military Shipment Label (MSL) is required

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for all shipments except contractor to contractor. The MSL will include both linear and 2D bar codes per the standard. Military Shipping Label: Military Shipment Labels may be created using the Computer Automated Transportation Tool Military Shipment Label/Issue Receipt Release Document (CATT MSL/IRRD).**</item></seqlist></para></para0>**

<para0>

<title>HEAT TREATMENT AND MARKING OF WOOD PACKAGING MATERIALS**</title>**

<para>Wood Packaging Materials (WPM) (i.e., boxes, crates, skids, pallets, and any wood used as inner packaging made of non-manufactured wood) shall be constructed of lumber that has been heat-treated in accordance with the requirements of International Standard for Phytosanitary Measures (ISPM)***–***15. The WPM manufacturer shall be affiliated with an inspection agency accredited by the board of review of the American Lumber Standard Committee. The WPM manufacturer shall ensure traceability to the original source of heat treatment. Each piece of WPM shall be marked to show the conformance to the International Plant Protection Convention Standard. Certification markings shall be indelible and permanent. They may be stamped, stenciled, or branded directly onto or into the WPM. Certification marks shall be applied in a visible location on at least two opposite sides of the wood packaging product, but are not required on each individual component piece of a wood packaging product. On dunnage, the marking shall be applied every two feet to opposite surfaces of each piece. If possible, the mark shall be visible when the dunnage is placed in the load to enable inspectors to verify the WPM***’***s compliance without unloading or unstuffing the container. Foreign manufacturers shall have the heat treatment of WPM verified in accordance with their National Plant Protection Organization***’***s compliance program.**</para>**

</para0>

<para0>

<title>ALTERNATIVES**</title>** ***<para>***The packaging requirements have been validated and the method of preservation/packing has proven successful in meeting the needs of the military distribution system, including undefined storage and shipment throughout the world. Tailoring of the packaging instructions may only be authorized by the packaging requirements developer. If tailored, prototype package is required to validate the sizes and fit requirements. Minor dimensional and size changes are acceptable provided email notification is provided to the packaging requirements developer. Any design changes or changes in the method of preservation that provide a cost savings without degrading the method of preservation or packing or affecting the serviceability of the item will be considered and responded to within 10 days of submission. The equipment proponent reserves the right to require testing to validate alternate preservation methods, materials, alternates, blocking, bracing, cushioning, and packing.**</para>**

</para0>

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<para0>

*<title>*REUSE OF PACKAGING MATERIALS**</title>**

*<para>*The cushioning material and the fiberboard boxes may be reused provided:*<seqlist>*

*<item>*There is no visible damage to material.**</item>**

*<item>*The foam cushioning has not taken a permanent set.**</item>**

*<item>*The fiberboard has no punctures, delaminating, or crushed flutes.**</item>**

</seqlist></para>

*<para>*The water vapor proof barrier bag be shall never be reused. Always use new barrier material, evacuate air from the barrier bag, and conduct a snap test after two hours on each bag to ensure seal is holding. All components of the wood box/crate must be present, properly secured in position, and not broken. Splits are acceptable provided the boards remain secured and not loose. When reapplying the lid, fasteners shall be placed 1/2 inch away from the previous fastener hole. Strapping shall be applied per *<extref docno="MIL-HDBK-774"/>*.**</para>**

</para0>

<para0>

*<title>*CONTAINER REPAIR**</title>**

*<para>*Each long life metal reusable container will be inspected and reconditioned in accordance with *<extref docno="TB 9-289"/>*, *<extref docno="TM 55-8100-200-24"/>* or *<extref docno="SB 725-92-1"/>* and the applicable container-drawing package. Container drawings are available upon request from the packaging requirements developer. This reconditioning effort includes mandatory replacement of breather valves, humidity indicators, data plates, sealing gaskets, and desiccant, plus all shear mounts with an age factor of five years or older. It also includes a leak test after reconditioning, inspection and replacement of unserviceable wood skids, and touch up or total stripping and refinishing of the container surfaces with CARC paint.**</para>**

</para0></geninfo> "

&maintwp.ppm.packaging.wp; *Work Package Reference* ***– Preservation, Packaging, and Marking (PPM) – Maintenance***

The reference to the packaging PPM WP.

ELEMENT USED IN: ***&maintwp.ppm.packaging;***

BOILERPLATE TEXT: **"***<xref wpid="INSERT_THE_APPROPRIATE_WORK_PACKAGE_ID"/>***"**

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&maintwp.test-inspect.disposition-1;*Disposition Statement 1 -; Conventional and Chemical Ammunition or Components* **– *Inspection and Test – Maintenance***

The verbatim instructions for disposition of lots IAW MIL-STD-40051-1A and MIL-STD-40051-2A

ELEMENT USED IN: ***<inspect>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">*** Each lot of material shall be inspected and screened 100 percent if one critical nonfunctioning defect is observed. If a critical functioning defect occurs, save remaining pieces and components: suspend the lot from local issue and use. Submit malfunction reports as prescribed in ***<extref docno="AR 75-1" posttext=" (Malfunctions Involving Ammunition and Explosives)"/>***. Disposition instructions will be furnished by the US Army Materiel Command.**</para> "**

&maintwp.test-inspect.disposition-2;*Disposition Statement 2 -; Conventional and Chemical Ammunition or Components* **– *Inspection and Test – Maintenance***

The verbatim instructions for disposition of lots IAW MIL-STD-40051-1A and MIL-STD-40051-2A

ELEMENT USED IN: ***<inspect>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">*** A lot of materiel is acceptable for issue if the acceptable criteria as indicated in ***&maintwp.test-inspect.disposition-2.table-num;*** are met.**</para> "**

&maintwp.test-inspect.disposition-2.table-num;*Table Reference (Editable) -; Disposition Statement 2 -; Conventional and Chemical Ammunition or Components* **– *Inspection and Test – Maintenance***

Replace the "tableid" (Table) attribute value with the appropriate applicable Classification of Material Defects standard information identification name.

ELEMENT USED IN: ***<inspect>***

BOILERPLATE TEXT: **"*<xref tableid="INSERT_ID_APPLICABLE_TABLE"/>* "**

&maintwp.test-inspect.disposition-3;*Disposition Statement 3 -; Conventional and Chemical Ammunition or Components* **– *Inspection and Test – Maintenance***

The verbatim instructions for disposition of lots IAW MIL-STD-40051-1A and MIL-STD-40051-2A

ELEMENT USED IN: ***<inspect>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">*** Report all lots of materiel rejected under applicable serviceability table for disposition instructions to: ***<proponent><name>*** Commander, US Army Armament, and Chemical Logistics Activity, **</name>*****<address><servnomen>*** ATTN:

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AMSMC-DSM, **</servnomen>***<city>*Rock Island, **</city>***<state>*IL **</state>***<zip>*61299-6000**</zip></address></proponent>**. Include a statement describing the capability and workload situation of your organization as to whether you are capable of reworking/demilitarizing the item.**</para> "**

&maintwp.test-pass.data-plate;

Final Painting, Refinishing, And Marking Instruction – ***Testing – Maintenance***

The verbatim instructions for final painting, refinishing, and marking IAW MIL-STD-40051-1A and MIL-STD-40051-2A

ELEMENT USED IN: ***<test>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">***When sufficient space is not available on the existing data plate to add information, the plate shall be replaced and all pertinent data transferred to the new plate. Data shall not be stamped directly on any part, assembly, or item of equipment except when approved by the Government.**</para> "**

&manu_items_introwp.intro;

Introduction – ***Illustrated List Of Manufactured Items***

The verbatim Illustrated List Of Manufactured Items introduction IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires filling in the fabrication maintenance level text entity (***&manu_items_introwp.rpstl;***).Requires selecting TM type, either page-based (***%page-base;***) or frame-based (IETM) (***%frame-base;***) selectable entity, to generate the correct boilerplate text. Requires selecting RPSTL reference either internal or external reference (***&manu_items_introwp.rpstl;***).

ELEMENT USED IN: ***<manu_items_introwp>***

BOILERPLATE TEXT: **"*<para0 hcp="no" esd="no">***

<title>INTRODUCTION**</title>**

<subpara1 hcp="no" esd="no"><title>Scope**</title>**

<para hcp="no" esd="no">This work package includes complete instructions for making items authorized to be manufactured or fabricated at the ***&manu_items_introwp.maint-level;***.**</para></subpara1>**

<subpara1 hcp="no" esd="no"><title>How to Use the Index of Manufactured Items**</title>**

<para hcp="no" esd="no">A part number index in alphanumeric order is provided for cross-referencing the part number of the item to be manufactured to the page which covers fabrication criteria.**</para></subpara1>**

<subpara1 hcp="no" esd="no"><title>Explanation of the Illustrations of Manufactured Items**</title>**

<para hcp="no" esd="no">All instructions needed by maintenance personnel to manufacture the item are included on the illustrations. ***&manu_items_introwp.rpstl;*** All bulk materials needed for manufacture

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of an item are listed by part number or specification number in a tabular list on the illustration.**</para></subpara1></para0> "**

&manu_items_introwp.maint-level; *Lowest Maintenance Level (Editable)* – ***Introduction – Illustrated List Of Manufactured Items***

Replace with the lowest maintenance level permitted to fabricated the item.

ELEMENT USED IN: ***<manuwp>***

BOILERPLATE TEXT: **"**INSERT MAINTENANCE LEVEL**"**

&manu_items_introwp.rpstl; *RPSTL Reference (Editable)* – ***Introduction – Illustrated List Of Manufactured Items***

Replace "docno" attribute with the external RPSTL TM or "wpid" with RPSTL Work Package identifier relating the fabricated item. When a reference is available change "IGNORE" to "INCLUDE".

ELEMENT USED IN: ***<manuwp>***

BOILERPLATE TEXT: **"*<extref docno="REPLACE WITH (WHEN APPLICABLE) A REFERENCE TO THE ASSOCIATED RPSTL TM "/>*** OR ***<xref wpid="RPSTL_PART_LIST_WORK_PACKAGE"/>*.** **"**

&mobilwp.intro; *Introduction* – ***Depot Mobilization***

The verbatim Depot Mobilization Requirements introduction IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<mobilwp>***

BOILERPLATE TEXT: **"*<title>***INTRODUCTION***</title>***

<subpara1 hcp="no" esd="no">

<title>Scope***</title>***

<para hcp="no" esd="no">The purpose of this work package is to streamline and accelerate the overhaul process during the mobilization of the depot.***</para> </subpara1>***

<subpara1 hcp="no" esd="no">

<title>Explanation of Mobilization Requirements***</title>***

<para hcp="no" esd="no">The mobilization requirements include a list of instructions for modifying preshop analysis and/or overhaul procedures. The pertinent procedures to be modified are referred to by page and work package number, followed by the action to be taken.***</para> </subpara1>*** **"**

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&notices.avail;	*Availability* – ***Notices***
	Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for Availability Notice.
ELEMENT USED IN:	***<notices>***
BOILERPLATE TEXT:	**"*<avail>***
	<text>This publication is not available through the St. Louis Media Distribution Division. This publication is available through **</text>*&proponent-address.army;<text>*.</text></avail> "**

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&pmcsintrowp.intro.aoap; *Army Oil Analysis Program (AOAP)* – ***Introduction – Preventive Maintenance and Checked Services (PMCS)***

Provides the engine oil, transmission oil, and/or hydraulic fluids time frame and reference for sampling verbatim text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pmcsintrowp>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">*Engine oil/transmission oil/hydraulic fluids must be sampled at ***&pmcsintrowp.intro.aoap.timeframe;*** as prescribed by ***&pmcsintrowp.intro.aoap.prescribed;*.</para>"**

&pmcsintrowp.intro.aoap.prescribed;*AOAP Timeframe Between Samples (Editable)* – ***Introduction – Preventive Maintenance and Checked Services (PMCS)***

Replace the text with the applicable hours or miles that engine oil/transmission oil/hydraulic fluids must be sampled.

ELEMENT USED IN: ***<pmcsintrowp>***

BOILERPLATE TEXT: **"**REPLACE WITH APPLICABLE HOUR/MILEAGE TIMEFRAME**"**

&pmcsintrowp.intro.aoap.timeframe;*AOAP Prescribed Sampling Reference (Editable)* – ***Introduction – Preventive Maintenance and Checked Services (PMCS)***

If prescribed by TB 43-0106 for time frame for engine oil/transmission oil/hydraulic fluids sampling change "IGNORE" to "INCLUDE" for TB 43-0106 and "INCLUDE" to "IGNORE" for DA PAM 738-750, otherwise no change is required.

ELEMENT USED IN: ***<pmcsintrowp>***

BOILERPLATE TEXT: **"**<![IGNORE[***<extref docno="TB 43-0106" posttext=", Aeronautical Equipment Army Oil Analysis Program (AOAP)"/>***]]>

<![INCLUDE[***<extref docno="DA PAM 738-750" posttext=", Functional Users Guide for the Army Maintenance Management System (TAMMS)"/>***]]> **"**

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&pmcsintrowp.intro.aoap-na; *Not Enrolled Army Oil Analysis Program (AOAP)* – ***Introduction – Preventive Maintenance and Checked Services (PMCS)***

The specified equipment is not enrolled in AOAP verbatim text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pmcsintrowp>***

BOILERPLATE TEXT: **"**This ***&pmcsintrowp.intro.component-equipment;*** is not enrolled in the Army Oil Analysis Program. HARDTIME INTERVALS APPLY. **"**

&pmcsintrowp.intro.component-equipment; *(Editable)* – ***Introduction – Preventive Maintenance and Checked Services (PMCS)***

Replace the text with component/equipment that fluid leakage affects the status.

ELEMENT USED IN: ***<pmcsintrowp>***

BOILERPLATE TEXT: **"**REPLACE WITH NAME OF COMPONENT/EQUIPMENT**"**

&pmcsintrowp.intro.fluid-leakage; *Fluid Leakage* – ***Introduction – Preventive Maintenance and Checked Services (PMCS)***

The verbatim PMCS introduction Fluid Leakage text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pmcsintrowp>***

BOILERPLATE TEXT: **"*<fluid.leakage><title>***FLUID LEAKAGE**</title>**

<para hcp="no" esd="no">It is necessary for you to know how fluid leakage affects the status of the ***&pmcsintrowp.intro.component-equipment;***. Following are types/classes of leakage you need to know to be able to determine the status of the ***&pmcsintrowp.intro.component-equipment;***. Learn these leakage definitions and remember - when in doubt, notify your supervisor.**</para>**

<para hcp="no" esd="no">When operating with Class I or II leaks, continue to check fluid levels as required in the PMCS.**</para>**

<para hcp="no" esd="no">Class III leaks should be reported immediately to your supervisor. ***<seqlist>***

<item>Class I See page of fluid (as indicated by wetness or discoloration) not great enough to form drops.**</item>**

<item>Class II Leakage of fluid great enough to form drops but not enough to cause drops to drip from item being checked/inspected.**</item>**

<item>Class III Leakage of fluid great enough to form drops that fall from item being checked/inspected.**</item></seqlist></para></fluid.leakage> "**

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&pmcsintrowp.intro.oilfilter; *Check Oil Filter Text* – ***Introduction – Preventive Maintenance and Checked Services (PMCS)***

The verbatim PMCS introduction Oil Filter check text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pmcsintrowp>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">*Oil filters shall be serviced/cleaned/changed, as applicable, when:

<randlist bullet="no">

<item>They are known to be contaminated or clogged,**</item>**

<item>Service is recommended by AOAP laboratory analysis, or **</item>**

<item>At prescribed hardtime intervals.**</item></randlist></para> "**

&pmcsintrowp.intro.warranty; *Hardtime Oil Service Warranty Text* – ***Introduction – Preventive Maintenance and Checked Services (PMCS)***

The verbatim PMCS introduction Hardtime Oil Service Warranty text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pmcsintrowp>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">*For equipment under manufacturer ***’***s warranty, hardtime oil service intervals shall be followed. Intervals shall be shortened if lubricants are known to be contaminated or if operation is under adverse conditions (such as longer-than-usual operating hours, extended idling periods, extreme dust).**</para> "**

&pmcswp.pmcstable.mrplpart.no-mrp;*No Mandatory Replacement Parts (MRP) Statement* – ***Preventive Maintenance and Checked Services (PMCS)***

The verbatim PMCS MRP when none apply text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<mrplpart>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">*There are no replacement parts required for these PMCS procedures.**</para> "**

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&pmcswp.pmcstable.pmcsproc.arctic-oper.auth;*Authorized Arctic Operation Text* – ***Preventive Maintenance and Checked Services (PMCS)***

The verbatim PMCS Authorized Arctic Operation text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pmcsproc>***

BOILERPLATE TEXT: "***<note acknowledge = "no"><trim.para esd="no" hcp="no">***When ***<extref docno="MIL-L-2104"/>*** lubricant is authorized, use 15W-40 (OE/HDO-15/40) when available and applicable temperature range exists.**</trim.para></note>** "

&pmcswp.pmcstable.pmcsproc.arctic-oper.not-auth;*Not Authorized Arctic Operation Text* – ***Preventive Maintenance and Checked Services (PMCS)***

The verbatim PMCS Not Authorized Arctic Operation text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pmcsproc>***

BOILERPLATE TEXT: "***<note acknowledge = "no"><trim.para esd="no" hcp="no">***15W-40 oil is not authorized in this particular ***&pmcswp.pmcstable.pmcsproc.arctic-oper.not-auth.component;***.**</trim.para></note>** "

&pmcswp.pmcstable.pmcsproc.arctic-oper.not-auth.component;*Component Name (Editable)* – ***Not Authorized Arctic Operation – Preventive Maintenance and Checked Services (PMCS)***

Replace with the component name for arctic operation authority.

ELEMENT USED IN: ***<pmcsproc>***

BOILERPLATE TEXT: "REPLACE WITH COMPONENT NAME"

&pm-ginfowp.aircraft; *Aircraft Model (Editable)* – ***General Information – Phased Schedule***

Replace the text with aircraft model.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-phased;&pm-ginfowp.geninfo-progressive;and &pm-ginfowp.geninfo-additional;***

BOILERPLATE TEXT: "INSERT WITH AIRCRAFT MODEL"

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&pm-ginfowp.codes-expl; *Phase Numbers/Types Codes and Explanations(Editable)* ***– General Information – Phased Schedule***

Replace the text with phase numbers/types codes and explanations.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-additional;***

BOILERPLATE TEXT: "INSERT APPROPRIATE CODES/EXPLANATIONS"

&pm-ginfowp.fig1; *Inspection Areas Figure Reference (Editable)* ***– General Information – Phased Schedule***

Replace the "wpid" and "figid" attributes to the figure that reflects the inspection areas of the aircraft.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-additional;***

BOILERPLATE TEXT: ***"<xref wpid='INSERT_THE_WORK_PACKAGE_ID' figid='INSERT-FIGURE-ID'/> "***

&pm-ginfowp.fig2; *Location of Access Doors and Panels Figure Reference (Editable)* ***– General Information – Phased Schedule***

Replace the "wpid" and "figid" attributes to the figure that contains the location of access doors and panels which require removal at various phased maintenance inspections.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-additional;***

BOILERPLATE TEXT: ***"<xref wpid='INSERT_THE_WORK_PACKAGE_ID' figid='INSERT-FIGURE-ID'/> "***

&pm-ginfowp.flight-cycle; *Flight Hour Cycle Schedule (Editable)* ***– General Information – Phased Schedule***

Replace the text with the flight hour cycle for the phased schedule.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-phased;***

BOILERPLATE TEXT: "INSERT WITH FLIGHT HOUR CYCLE"

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&pm-ginfowp.inspect-interval; *Scheduled Inspection Interval Hours* – ***General Information – Phased Schedule***

Replace the text with the flight hour interval for the next scheduled inspection.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-progressive;***

BOILERPLATE TEXT: "INSPECT INSPECTION INTERVAL"

&pm-ginfowp.no-phases; *Maximum Number of Phases (Editable)* – ***General Information – Phased Schedule***

Replace the text with the maximum number of phases for each inspection requirement.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-phased;***

BOILERPLATE TEXT: "INSERT WITH NUMBER OF PHASES"

&pm-ginfowp.phase-hours; *Hour Phases Schedule (Editable)* – ***General Information – Phased Schedule***

Replace the text with the hour phases for the phased schedule.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-phased;***

BOILERPLATE TEXT: "INSERT WITH PHASE HOURS"

&pm-ginfowp.tm-changeover; *Reference TM/TB Changeover to the Phased Maintenance System (Editable)* – ***General Information – Phased Schedule***

Replace "docno" attribute with the referenced latest issues aircraft changeover TM/TB and replace "posttext" between the double quote attributes with the TM/TB title..

ELEMENT USED IN: ***&pm-ginfowp.geninfo-additional;***

BOILERPLATE TEXT: "***<extref docno="INSERT WITH AIRCRAFT CHANGEOVER TM/TB NUMBER" posttext=" entitled, “INSERT TM/TB TITLE”"/>***"

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&pm-ginfowp.tm-maint; *Referenced Aircraft Maintenance TM (Editable) –* ***General Information – Phased Schedule***

Replace "docno" attribute with the referenced latest issues aircraft maintenance TM.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-additional;***

BOILERPLATE TEXT: **"*<extref docno="INSERT WITH AIRCRAFT MAINTENANCE TM NUMBER"/>* "**

&pm-ginfowp.geninfo-additional; *General Information* ***– General Information – Phased Schedule***

The verbatim PMS General Information text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires filling in referenced Aircraft Maintenance TM ***&pm-ginfowp.tm-maint;***, reference TM/TB changeover to the Phased Maintenance System ***&pm-ginfowp.tm-changeover;***, Phase Numbers/Types Codes and Explanations ***&pm-ginfowp.codes-expl;***, aircraft model ***&pm-ginfowp.aircraft;***, inspection areas figure reference ***&pm-ginfowp.fig1;***, and location of access doors and panels figure reference ***&pm-ginfowp.fig2;***.

ELEMENT USED IN: ***<pm-ginfowp>***

BOILERPLATE TEXT: **"*<para0>***

<title>EXCEEDING THE PHASED SCHEDULE**</title>**

<para esd="no" hcp="no">The phased maintenance inspection intervals designated are the maximum and shall not be exceeded except in actual operational emergencies as explained herein. It is the Commander***’***s responsibility to determine (on an individual aircraft basis) when inspection intervals may be exceeded. For this purpose, operational emergencies are conditions of combat, or conditions of disaster which necessitate flight to evacuate aircraft or personnel. When aircraft are operated beyond the normal inspection due time because of such emergency situations, a circled red X status symbol and an appropriate statement (to include authority) must be entered on the appropriate aircraft form as specified in ***<extref docno="DA PAM 738-751"/>*** until such time as the inspection is complete. When inspections are delayed to meet emergency requirements, Commanders will assure that the aircraft status symbol reverts to a red X and that delayed inspections are accomplished immediately upon termination of the actual emergency. When unusual local conditions (utilization, type of mission, personnel, periods of inactivity, environmental conditions, etc.) dictate, it is the prerogative and responsibility of the Maintenance Officer to increase the scope and/or frequency of maintenance or inspection as necessary to ensure safe operation ***<extref docno="TM 1-1500-328-23" posttext=")" pretext="("/>***.**</para>**

</para0>

<para0 esd="no" hcp="no">

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*<title>*MAINTENANCE ACTIVITIES**</title>**

<para esd="no" hcp="no"> The inspections prescribed by this checklist will be accomplished at specified phases by Aviation Maintenance Company (AMC) activities with assistance of Aviation Support Battalion (ASB) and Depot Maintenance activities when required. The inspection of the part/component is visual unless stated otherwise.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*LIMITATIONS**</title>**

*<para esd="no" hcp="no">*The checklist does not contain instructions for repair, adjustment or other means of rectifying conditions. Neither does it contain special tolerances, limits or instructions for special troubleshooting to find causes for malfunctions. Such data will be obtained from the latest issue of the aircraft ***&pm-ginfowp.tm-maint;*** series Maintenance Manuals.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*CHANGEOVER TO THE PHASED MAINTENANCE SYSTEM**</title>**

*<para esd="no" hcp="no">*Changeover shall be accomplished in accordance with instructions provided in ***&pm-ginfowp.tm-changeover;***. The requirements of this TM/TB must be accomplished prior to implementation of Phase 1 inspection requirements specified in this checklist.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*PRE-INSPECTION MAINTENANCE TEST FLIGHT (MTF)**</title>**

*<para esd="no" hcp="no">*A pre-inspection MTF to duplicate non-hazardous equipment problems, determine unsatisfactory conditions, determine equipment operation problems, etc., is recommended prior to start of aircraft disassembly for phased maintenance inspection. The decision to perform the pre-inspection MTF, however, shall be the responsibility of the unit Maintenance Officer.

</para>

</para0>

<para0 esd="no" hcp="no">

*<title>*SPECIAL INSPECTIONS, CALENDAR INSPECTIONS AND LUBRICATION REQUIREMENTS

</title>

*<para esd="no" hcp="no">*Special inspections, calendar inspections and lubrication requirements contained in ***&pm-ginfowp.tm-maint;*** and those listed on the aircraft***’***s ***<extref docno="DA Form***

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2408-16"/> shall be referred to for a complete listing of components and their TBO and retirement life.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*USING THE PHASED INSPECTION CHECKLIST**</title>**

<para esd="no" hcp="no"><seqlist>

*<item>*A new checklist shall be used each time phased maintenance is due on the aircraft. This checklist is arranged such that it can be separated by area and distributed to the maintenance crew. For use of the checklist refer to *<extref docno="DA PAM 738-751"/><seqlist>*

*<item>*Space is provided on each checklist form for entering the following data: *<seqlist>*

*<item>*The type of the maintenance inspection phase being performed or the phase type being performed (i.e., phase, desert, reset).**</item>**

*<item>*Aircraft serial number. **</item>**

*<item>*Date of the inspection. **</item>**

*<item>*Total hours. (Block provided for local use.)**</item></seqlist></item>**

*<item>*For each inspection item a column is provided for entering the following data: *<seqlist>*

*<item>*Status of the aircraft as the result of the inspection requirement.

</item>

*<item>*Aircraft fault and/or remarks indicated by the inspection requirement.

</item>

*<item>*Action taken to correct the fault. **</item>**

*<item>*Personnel Identifier (PID) of person performing the corrective action.

</item></seqlist></item></seqlist></item></seqlist></para>

</para0>

<para0 esd="no" hcp="no">

*<title>*PHASE NUMBERS/TYPES**</title>**

*<para esd="no" hcp="no">*In the column headed ***‘***Inspect Phase Type***’*** and adjacent to the sequence number of each inspection requirement, there will appear ***&pm-ginfowp.codes-expl;***. The word ***‘***ALL***’*** indicates that inspection requirement shall be accomplished at each phase. A number represents the phase number or flight hours (time between phases) at which that inspection requirement is to be accomplished. When more than one number or flight hour is listed the inspection is required at each interval given.**</para>**

</para0>

<para0 esd="no" hcp="no">

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*<title>*STATUS SYMBOLS**</title>**

*<para esd="no" hcp="no">*The status column will be used in accordance with *<extref docno="DA PAM 738-751"/>*.

</para>

</para0>

<para0 esd="no" hcp="no">

*<title>*FAULTS AND/OR REMARKS**</title>**

*<para esd="no" hcp="no">*Fault entries in the Faults and/or Remarks column will be in accordance with *<extref docno="DA PAM 738-751"/>*.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*ACTION TAKEN**</title>**

*<para esd="no" hcp="no">**<seqlist>***

*<item>*Entries in the Action Taken column will be in accordance with *<extref docno="DA PAM 738-751"/>*.**</item>**

*<item>*If no fault was found, an appropriate remark shall be entered in the column to indicate that the inspection was accomplished, i.e., ***‘***Inspected and found OK***’***. If an inspection item is not applicable to the particular inspection phase number in work or to specific equipment installed on an individual aircraft, a ***‘***N/A***’*** entry is required.**</item></seqlist></para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*PERSONNEL IDENTIFIER (PID)**</title>**

*<para esd="no" hcp="no">*The PID of the person correcting the indicated fault shall be entered in accordance with *<extref docno="DA PAM 738-751"/>*.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*FINAL RECORDS CHECK**</title>**

*<para esd="no" hcp="no">*After all corrective actions have been completed and following completion of the phased inspection, the Technical Inspector or designated supervisor shall verify that all applicable forms and records have been properly updated. All uncorrected faults shall be entered on applicable aircraft forms in accordance with *<extref docno="DA PAM 738-751"/>*. A Final Records Checklist shall be used is to ensure forms and records have been inspected for completeness and accuracy prior to release of the aircraft from the phased maintenance inspection. The PID of the inspector verifying the final records check shall be entered adjacent to the indicated form or record on the Final Records Checklist. The PID entered shall be registered on the Signature Sheet adjacent to that person***’***s signature.**</para>**

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</para0>

<para0 esd="no" hcp="no">

*<title>*SIGNATURE SHEET**</title>**

*<para esd="no" hcp="no">*All personnel performing inspection and/or maintenance tasks shall place their signatures and PID on the signature sheet. The purpose of the signature sheet is to provide a correlation between PID entered on the individual checklist sheets and the actual names of the personnel accomplishing these tasks.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*MAINTENANCE OPERATIONAL CHECKS**</title>**

*<para esd="no" hcp="no">*After the completion of any required corrective actions to any of the components of a functional system of the aircraft, maintenance operational checks (MOC) shall be performed on that system to determine the effectiveness of the maintenance actions performed and to verify the proper operation of that system. These MOC shall be performed in accordance with *<extref docno="TM1-1500-328-23"/>*. *<extref docno="DA Form 2408-13-1"/>* may be used to record and sign off the Maintenance Operational Checks performed.

</para>

</para0>

<para0 esd="no" hcp="no">

*<title>*MAINTENANCE TEST FLIGHT**</title>**

*<para esd="no" hcp="no">*When all required inspections have been accomplished and initialed in accordance with the above procedure, the MTF shall be performed in accordance with the requirements of *&pm-ginfowp.tm-maint;* and *<extref docno="TM 1-1500-328-23"/>* using the MTF form in the MTF technical manual.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*CHECKLIST DISTRIBUTION**</title>**

*<para esd="no" hcp="no">*The completion of each phased maintenance inspection shall be recorded on applicable forms as prescribed by *<extref docno="DA PAM 738-751"/>*. The signed checklist, together with all forms prescribed by *<extref docno="DA PAM 738-751"/>*, will be filed. Disposition will be in accordance with *<extref docno="DA PAM 738-751"/>* or specific instructions in the applicable aircraft technical manual.**</para>**

</para0>

<para0 esd="no" hcp="no">

*<title>*INSPECTION AREAS**</title>**

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<para esd="no" hcp="no">&pm-ginfowp.fig1; reflects the inspection areas of the *&pm-ginfowp.aircraft;* aircraft. Those areas are titled as shown. *&pm-ginfowp.fig2;* shows the location of access doors and panels which require removal at various phased maintenance inspections.**</para>**

</para0>

<para0 esd="no" hcp="no">

&pms_or_pmi.eir;

</para0>"

&pm-ginfowp.geninfo-phased; *Phased Schedule* – ***General Information – Phased Schedule***

The verbatim PMS Phased Schedule introduction text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires filling in the aircraft model *&pm-ginfowp.aircraft;*, flight hour cycle schedule *&pm-ginfowp.flight-cycle;*, hour phases schedule *&pm-ginfowp.phase-hours;*, and maximum number of phases *&pm-ginfowp.no-phases;*.

ELEMENT USED IN: *<pm-ginfowp>*

BOILERPLATE TEXT: **"***<para0>*

*<title>*PHASED SCHEDULE**</title>**

*<para hcp="no" esd="no">*The phased maintenance inspection checklist contains requirements for inspection of the *&pm-ginfowp.aircraft;* aircraft on a phased schedule having a *&pm-ginfowp.flight-cycle;* hour (flight hours) cycle with *&pm-ginfowp.phase-hours;* hour phases. Each requirement included herein is designated for accomplishment at least once, but not more than *&pm-ginfowp.no-phases;* times during the *&pm-ginfowp.flight-cycle;* hour cycle.**</para>**

</para0> "

&pm-ginfowp.geninfo-progressive; *Progressive Phased Maintenance Schedule* – ***General Information – Phased Schedule***

The verbatim PMS Progressive Phased Maintenance Schedule introduction text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires filling in the aircraft model *&pm-ginfowp.aircraft;* and scheduled inspection interval hours *&pm-ginfowp.inspect-interval;*.

ELEMENT USED IN: *<pm-ginfowp>*

BOILERPLATE TEXT: **"***<para0>*

*<title>*PROGRESSIVE PHASED MAINTENANCE SCHEDULE**</title>**

*<para hcp="no" esd="no">*The progressive phased maintenance inspection checklist contains requirements for inspection of

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the ***&pm-ginfowp.aircraft;*** aircraft on a phased schedule of ***&pm-ginfowp.inspect-interval;*** hours intervals.**</para>**

</para0> "

&titleblk.pm.warning.data; *Preventive Maintenance Services (PMS) and Phased Maintenance Inspection (PMI) Warning Data* – ***Title Block***

Provides verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for Preventive Maintenance Services (PMS) and Phased Maintenance Inspection (PMI) manuals title block page with warning data.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<pm.warning.data>***

<warning>

<trim.para>Certain inspections are mandatory safety-of-flight requirements, and the inspection intervals cannot be exceeded. In the event these inspections cannot be accomplished at the specified interval, the aircraft condition status symbol will be changed to a red X. Mandatory safety-of-flight inspection items are printed in bold face type.**</trim.para></warning>**

<note>

<trim.para>Inspection items contained in this manual are considered the minimum requirements for performing phased maintenance and must be performed. The cumulative effects of inspection deferrals are unknown and could result in catastrophic failure or increased maintenance at a later date. Therefore, the use of special lettering to emphasize mandatory safety-of-flight items is not to be construed as authority for deferral of other inspections.**</trim.para></note></pm.warning.data> "**

&pmi-cklistwp.note; *Maintenance Test Flight (MTF) Note* – ***Phased Maintenance Inspection (PMI)***

Provides a note concerning MTF text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<pmi-cklistwp>***

BOILERPLATE TEXT: **"*<note acknowledge = "no">***

<trim.para esd="no" hcp="no">Prior to start of the Phased Maintenance Inspection, it is recommended that a pre-inspection maintenance test flight (MTF) be conducted. Accomplishment of the MTF shall be determined by the field maintenance officer. The pre-inspection MTF should be conducted by a maintenance test pilot following a review of the aircraft forms and records and a briefing from the crew of the aircraft. The MTF is recommended to assess the aircraft performance and identify

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deficiencies that should be corrected while the aircraft is undergoing phased maintenance inspections.**</trim.para></note> "**

&pmiwp.def-geninfo;

Definition Statement – ***Phased Maintenance Inspection (PMI)***

Provides verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, concerning supplemental schedule inspections.

ELEMENT USED IN: ***<pmiwp>***

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">***This information supplements scheduled inspections as outlined in the applicable aircraft inspection checklists. Inspection of items which are required to be inspected at intervals not compatible with airframe operating time or airframe inspection intervals is also included. Refer to ***<extref docno="DA PAM 738-751" posttext=" (Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A))"/>*** for applicable forms, records, and worksheets required for these inspection intervals. Typical examples of this type of inspection are as follows:

<seqlist>

<item>Inspections which are solely contingent upon specific conditions or incidents that occur (e.g., hard landings, over speed, or sudden stoppage), wherein immediate inspection is required to ensure safe flight.**</item>**

<item>Inspection of components or airframe on a calendar basis: e.g., first aid kits, weight and balance check, aircraft inventory.**</item></seqlist></para> "**

&pmiwp.geninfo;

General Information – ***Phased Maintenance Inspection (PMI)***

Provides verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, concerning general information for PMI.

ELEMENT USED IN: ***<pmiwp>***

BOILERPLATE TEXT: **"*<title>***GENERAL INFORMATION**</title>**

<para hcp="no" esd="no">This work package contains complete requirements for special inspections, overhaul and retirement schedule, and standards of serviceability applicable to the aircraft. The inspections prescribed in this section shall be accomplished at specified periods by AVUM activities, with the assistance of AVIM activities when required. Complete Daily, Intermediate, Periodic, or Phased inspections are contained in the ***&pmiwp.geninfo.aircraft;***.**</para> "**

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&pmiwp.geninfo.aircraft; *Aircraft Inspection Checklist TM (Editable)* – ***General Information – Phased Maintenance Inspection (PMI)***

Replace the attribute "docno" text with the applicable aircraft inspection checklist TM.

ELEMENT USED IN: ***<pmiwp>***

BOILERPLATE TEXT: **"*<extref docno="REPLACE WITH APPLICABLE AIRCRAFT INSPECTION CHECKLIST TM"/>* "**

&pmiwp.stdserv; *Standard Of Serviceability Statement* – ***Phased Maintenance Inspection (PMI)***

Provides aircraft standard of serviceability reference text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

BOILERPLATE TEXT: **"*<para hcp="no" esd="no">*Standards of serviceability to be utilized in the day-to-day inspection and maintenance of the aircraft can be found as fits, tolerances, wear limits, and specifications in the aircraft maintenance manuals. Standards of serviceability for transfer to aircraft are contained in *<extref docno="TM 1-1500-328-23"/>*.</para> "**

&pms_or_pmi.eir.address; *Mailing Address* – ***Reporting Errors and Recommending Improvements Statement – Preventive Maintenance Services (PMS)/Phased Maintenance Inspection (PMI)***

Replace the text with proponent mailing address to send the DA Form 2028.

ELEMENT USED IN: ***&pms_or_pmi.eir;***

BOILERPLATE TEXT: **"**INSERT PROPONENT MAILING ADDRESS**"**

&pms_or_pmi.eir.email; *E-Mail Address* – ***Reporting Errors and Recommending Improvements Statement – Preventive Maintenance Services (PMS)/Phased Maintenance Inspection (PMI)***

Replace the "address" attribute with proponent E-Mail address to send the DA Form 2028.

ELEMENT USED IN: ***&pms_or_pmi.eir;***

BOILERPLATE TEXT: **"*<internet show.address="yes"><email address="INSERT PROPONENT E-MAIL ADDRESS"/></internet>*"**

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&pms_or_pmi.eir.fax; *Facsimile Number* – ***Reporting Errors and Recommending Improvements Statement – Preventive Maintenance Services (PMS)/Phased Maintenance Inspection (PMI)***

Replace the text with proponent DSN and commercial facsimile number to send the DA Form 2028.

ELEMENT USED IN: ***&pms_or_pmi.eir;***

BOILERPLATE TEXT: "***<phone type="dsn" receive="fax">***INSERT PROPONENT DSN FAX NUMBER***</phone>*** or ***<phone type="coml" receive="fax">***INSERT PROPONENT COMMERCIAL FAX NUMBER***</phone>***"

&pms_or_pmi.eir; *Reporting Errors and Recommending Improvements (ERI) Statement* – ***Preventive Maintenance Services (PMS)/Phased Maintenance Inspection (PMI)***

Provides verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, concerning ERI for either PMS or PMI. Requires modify editable text entities for proponent mailing address to send the DA Form 2028 ***&pms_or_pmi.eir.address;***, proponent E-Mail address to send the DA Form 2028 ***&pms_or_pmi.eir.email;***, and proponent DSN and commercial facsimile number to send the DA Form 2028 ***&pms_or_pmi.eir.fax;***.

BOILERPLATE TEXT: "***<title>***REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

<para hcp="no" esd="no">You can help improve this IETM. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail the DA Form 2028 directly to: ***&pms_or_pmi.eir.address;***. You may also send in your recommended changes via electronic mail, by fax, or by the World Wide Web. Our fax number is ***&pms_or_pmi.eir.fax;***. Our e-mail address is ***&pms_or_pmi.eir.email;***. Instructions for sending an electronic DA Form 2028 may be found at the back of the applicable technical manual. For World Wide Web use ***<internet show.address="yes"><homepage protocol="https" uri="amcom2028.redstone.army.mil"/>***</internet>. A reply will be furnished to you.

</para> "

&pms-ginfowp.aircraft; *Aircraft Model (Editable)* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with aircraft model.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "INSERT WITH AIRCRAFT MODEL"

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&pms-ginfowp.hazmat; *Hazardous Material (HAZMAT) Statement* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the hazardous material (HAZMAT) statement.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "INSERT THE HAZMAT STATEMENT"

&pms-ginfowp.inspect-weeks; *Calendar Days to Perform Next Inspection* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the number of calendar days before next inspection.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "INSERT THE CALENDAR DAYS"

&pms-ginfowp.inspect-dayofweek; *Day of the Week for Next Inspection* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the day of the week for next inspection.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "INSERT THE DAY OF WEEK""

&pms-ginfowp.inspect-fig; *Inspection Area Figure Reference* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the "wpid" and "figid" attributes to the figure that reflects the inspection areas of the aircraft.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "*<xref wpid='INSERT_THE_WORK_PACKAGE_ID' figid='INSERT-FIGURE-ID'/>* "

&pms-ginfowp.inspect-hrs; *Flight Hours to Perform Next Inspection* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the number of hours before next inspection.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "INSERT THE AIRCRAFT HOURS"

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&pms-ginfowp.inspect-interval; *Scheduled Inspection Interval* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the interval for the next scheduled inspection.

ELEMENT USED IN: ***&pm-ginfowp.geninfo-progressive;***

BOILERPLATE TEXT: "INSPECT INSPECTION INTERVAL"

&pms-ginfowp.inspect-weeks; *Full Weeks to Perform Next Inspection* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the number of full weeks before next inspection.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "INSERT THE NUMBER OF WEEKS"

&pms-ginfowp.manhours; *Man-Hours to Complete Inspection* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the number of man-hours to complete the inspection.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "INSERT THE TOTAL NUMBER OF MAN-HOURS"

&pms-ginfowp.odc; *Ozone Depleting Chemicals (ODC) Statement* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the Ozone Depleting Chemicals (ODC) statement.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: "INSERT THE ODC STATEMENT"

&pms-ginfowp.warning-tm-arm; *Aircraft Armament System TM Number Reference* – ***General Information – Preventive Maintenance Services (PMS)***

Replace "docno" attribute with the referenced latest issues aircraft armament system maintenance TM.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: " and all armament must be safetied, deactivated, and cleared ***<extref docno="INSERT THE ARMAMENT TM NUMBER"/>***"

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&pms-ginfowp.warning-equip; *Aircraft Equipment Name* – ***General Information – Preventive Maintenance Services (PMS)***

Replace the text with the aircraft equipment name.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: **"**INSERT AIRCRAFT EQUIPMENT(S)**"**

&pms-ginfowp.warning-tm-maint; *Aircraft Power Plant/Hydraulic System TM Number Reference* – ***General Information – Preventive Maintenance Services (PMS)***

Replace "docno" attribute with the referenced latest issues aircraft power plant/hydraulic system maintenance TM.

ELEMENT USED IN: ***&pms-ginfowp_ent;***

BOILERPLATE TEXT: **"*<extref docno="INSERT THE MAINTENANCE TM NUMBER"/>*"**

&pms-ginfowp_ent; *General Information* – ***Preventive Maintenance Services (PMS)***

The verbatim -; Preventive Maintenance Services Inspection Checklist General Information text IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires modify editable text entities for aircraft description (***&pms-ginfowp.aircraft;***), scheduled inspection interval ***&pms-ginfowp.inspect-interval;***, inspection area figure reference ***&pms-ginfowp.inspect-fig;***, flight hours to perform next inspection ***&pms-ginfowp.inspect-hrs;***, calendar days to perform next inspection ***&pms-ginfowp.inspect-days;***, full weeks to perform next inspection ***&pms-ginfowp.inspect-weeks;***, and day of the week for next inspection ***&pms-ginfowp.inspect-dayofweek;***, aircraft equipment name ***&pms-ginfowp.warning-equip;***, aircraft power plant/hydraulic system maintenance TM number reference ***&pms-ginfowp.warning-tm-maint;***, aircraft armament system maintenance TM number reference ***&pms-ginfowp.warning-tm-arm;***, man-hours to complete inspection ***&pms-ginfowp.manhours;***, ***&pms_or_pmi.eir;***, ozone depleting chemicals (ODC) ***&pms-ginfowp.odc;***, and hazardous material (HAZMAT) ***&pms-ginfowp.hazmat;***.

ELEMENT USED IN: ***<pms-ginfowp>***

BOILERPLATE TEXT: **"*<scope frame="no">***

<title>SCOPE**</title>**

<para hcp="no" esd="no">The Preventive Maintenance Services Inspection Checklist work package contains complete requirements for a ***&pms-ginfowp.inspect-interval;*** for the ***&pms-ginfowp.aircraft;***. It does not contain instructions for repair, adjustment, or other means of rectifying conditions, nor does it contain instruction for troubleshooting to find causes for malfunctioning. Specific tolerances, limits, etc., can be found in the

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applicable maintenance manuals. Use of the alphabetical index in the applicable manuals will facilitate locating the required information.**</para>**

</scope>

<pms-geninfo frame="no">

<pms-para>

<title>INSPECTION REQUIREMENTS**</title>**

<para hcp="no" esd="no">The inspection requirements contained in this work package are stated in such a manner as to establish when certain equipment is to be inspected and what conditions are desired/undesired. Compliance with the provisions outlined herein is required in order to ensure that latent defects are discovered and corrected before malfunctioning or serious trouble results. Inspection requirements are arranged, as nearly as possible, according to the manner in which they will be performed. The requirements are divided into groups and listed under area headings in the “How To Use This Manual” portion of this manual and ***&pms-ginfowp.inspect-fig;***.**</para>**

</pms-para>

<pms-para>

<title>INSPECTION INTERVALS**</title>**

<para hcp="no" esd="no">The ***&pms-ginfowp.inspect-interval;*** inspection will be performed every ***&pms-ginfowp.inspect-hrs;*** flight hours or ***&pms-ginfowp.inspect-days;*** days, whichever comes first. The ***&pms-ginfowp.inspect-hrs;*** flight hours will not be extended except in actual operational emergencies. In no case shall the aircraft intentionally be scheduled for a flight that will cause it to exceed the ***&pms-ginfowp.inspect-hrs;*** flight hours inspection due time. The ***&pms-ginfowp.inspect-days;*** day interval is a full ***&pms-ginfowp.inspect-weeks;*** weeks. That is, if a ***&pms-ginfowp.inspect-days;*** day is done on Tuesday, the next ***&pms-ginfowp.inspect-days;*** day inspection will not be due until ***&pms-ginfowp.inspect-dayofweek; &pms-ginfowp.inspect-weeks;*** weeks later.**</para>**

</pms-para>

<pms-para>

<title>SPECIFIC NON-INSTALLED EQUIPMENT ON AIRCRAFT**</title>**

<para hcp="no" esd="no">This work package may contain inspection requirements applicable to specific

equipment not installed on your aircraft. Those requirements should be disregarded.

</para>

</pms-para>

<pms-para>

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*<title>*DA FORMS**</title>**

<para hcp="no" esd="no"><extref docno="DA Form 2408-13-1"/> will be used to record all deficiencies or shortcomings discovered during the ***&pms-ginfowp.inspect-interval;***. Use *<extref docno="DA PAM 738-751"/>* to properly complete this form.

</para>

</pms-para>

<pms-para>

*<title>*SPECIAL INSTRUCTIONS**</title>**

<warning>

*<trim.para>*Accidental actuation of aircraft power plant or hydraulic system ***&pms-ginfowp.warning-equip;*** may cause severe injury or death. Before starting inspection, aircraft safety check must be performed, if applicable IAW ***&pms-ginfowp.warning-tm-maint;&pms-ginfowp.warning-tm-arm;***.

</trim.para></warning>

*<para hcp="no" esd="no">*The ***&pms-ginfowp.inspect-interval;*** will not be exceeded except in actual operational emergencies. When operational emergencies require aircraft operation beyond the normal inspection due-time, a circled red X status symbol and an appropriate statement (to include authority) must be entered in Part I, Fault Information block of *<extref docno="DA Form 2408-13-1" posttext="(Aircraft Inspection and Maintenance Record)"/>* until such time as the inspection is complete. When inspections are delayed to meet emergency requirements, commanders will assure that the aircraft status symbol reverts to a red “X” and that delayed inspections are accomplished immediately upon termination of the actual emergency. When unusual local conditions of environment, utilization, mission, experience of flight crew and maintenance personnel, periods of inactivity, etc., are encountered, the maintenance officer will, at his discretion, increase the scope and/or frequency of maintenance of inspections as necessary to ensure safe flight.

</para>

*<para hcp="no" esd="no">*Aircraft that are down, Not Mission Capable due to Supply (NCMS), or Not Mission Capable due to Maintenance (NMCM), are deferred from the ***&pms-ginfowp.inspect-interval;*** inspection until the aircraft is return to flyable status. When the NMCS and/or NMCM condition is cleared from the aircraft that has been deferred, the ***&pms-ginfowp.inspect-interval;*** must be done before the first flight. It is the maintenance office's responsibility to determine those inspections necessary during NMCS and/or NMCM to preserve the aircraft. Maintenance situations and climates vary too much to permit a definition of an adequate inspection of the aircraft in NMCS and/or NMCM status.

</para>

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*<para hcp="no" esd="no">*Accessing procedures and detailed inspection criteria can be found in the applicable maintenance manuals. Use the alphabetical index in the applicable manuals. Unless otherwise directed, removed panels and opened doors will be reinstalled and closed upon completion of each area inspection.

</para>

*<para hcp="no" esd="no">*The total man-hour (M/H) requirements for a complete ***&pms-ginfowp.inspect-interval;*** inspection is ***&pms-ginfowp.manhours;*** M/H.

</para>

</pms-para>

<pms-para>

&pms_or_pmi.eir;

</pms-para>

<pms-para>

<title>OZONE DEPLETING CHEMICALS**</title>**

<para hcp="no" esd="no">&pms-ginfowp.odc;**</para>**

</pms-para>

<pms-para>

<title>HAZARDOUS MATERIALS (HAZMAT)**</title>**

<para hcp="no" esd="no">&pms-ginfowp.hazmat;**</para>**

</pms-para>

<pms-para>

<title>INSPECTION AREAS**</title>**

<para hcp="no" esd="no">Inspection areas are shown in ***&pms-ginfowp.inspect-fig;***.**</para>**

</pms-para>

</pms-geninfo> "

&pms-inspecwp.checklist; *Discrepancy TAMMS Form Reference Statement* – ***Preventive Maintenance Service (PMS) Inspection***

The verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, provides the PMS inspection DA PAM TAMMS reference.

ELEMENT USED IN: ***<pms-inspecwp>***

BOILERPLATE TEXT: **"*****<trim.para>***Inspect aircraft forms and records for recorded discrepancies ***<extref pretext="(" docno="DA PAM 738-751" posttext=", Functional***

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Users Manual for the Army Maintenance Management System Aviation (TAMMS-A))"/>.**</trim.para> "**

&pms-inspecwp.last-item; *Last Item to Perform Statement* – ***Preventive Maintenance Service (PMS) Inspection***

The verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, provides the PMS inspection last item to perform statement.

ELEMENT USED IN: ***<pms-inspecwp>***

BOILERPLATE TEXT: **"*<para>***Inspect for foreign object damage and ensure all access panels or doors opened or removed for this inspection are closed or reinstalled.**</para> "**

&proponent-address.army; *Army (Editable)* – ***Proponent Address***

BOILERPLATE TEXT: **"*<proponent>***

<name>INSERT ARMY PROPONENT NAME***</name>***

<address>

<servnomen>OPTIONAL SERVICE NOMENCLATURE***</servnomen>***

<street>0 OR MORE STREET INFORMATION***</street>***

<city>INSERT CITY,***</city>***

<state>INSERT STATE***</state>***

<zip>OPTIONAL ZIP CODE***</zip>***

<country>OPTIONAL COUNTRY***</country> </address> </proponent> "***

&proponent-address.usaf; *USAF Editable)* – ***Proponent Address***

BOILERPLATE TEXT: **" *<proponent>***

<name>INSERT USAF PROPONENT NAME***</name>***

<address>

<servnomen>OPTIONAL SERVICE NOMENCLATURE***</servnomen>***

<street>0 OR MORE STREET INFORMATION***</street>***

<city>INSERT CITY,***</city>***

<state>INSERT STATE***</state>***

<zip>OPTIONAL ZIP CODE***</zip>***

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<country>OPTIONAL COUNTRY</country> </address> </proponent> "

&proponent-address.usmc; *USMC (Editable)* – ***Proponent Address***

BOILERPLATE TEXT: "<![%usmc-tm; [
<proponent>
<name>INSERT USMC PROPONENT NAME</name>
<address>
<servnomen>OPTIONAL SERVICE NOMENCLATURE</servnomen>
<street>0 OR MORE STREET INFORMATION</street>
<city>INSERT CITY,</city>
<state>INSERT STATE</state>
<zip>OPTIONAL ZIP CODE</zip>
<country>OPTIONAL COUNTRY</country> </address> </proponent> "

&proponent-address.usn; *USN (Editable)* – ***Proponent Address***

BOILERPLATE TEXT: "<![%usn-tm; [
<proponent>
<name>INSERT USN PROPONENT NAME</name>
<address>
<servnomen>OPTIONAL SERVICE NOMENCLATURE</servnomen>
<street>0 OR MORE STREET INFORMATION</street>
<city>INSERT CITY,</city>
<state>INSERT STATE</state>
<zip>OPTIONAL ZIP CODE</zip>
<country>OPTIONAL COUNTRY</country> </address> </proponent> "

&proponent-email; *IETM Lead Service (Editable)* – ***Proponent E-mail***

BOILERPLATE TEXT: "<internet show.address="yes">
<email address="INSERT EMAIL ADDRESS"/> </internet> "

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&proponent-email.army; *Army (Editable)* – ***Proponent E-mail***

BOILERPLATE TEXT: "*<internet show.address="yes">*
<email address="INSERT EMAIL ADDRESS"/> *</internet>* "

&proponent-email.usaf; *USAF (Editable)* – ***Proponent E-mail***

BOILERPLATE TEXT: "<![*%usaf-tm;* [
<internet show.address="yes">
<email address="INSERT EMAIL ADDRESS"/> *</internet>* "

&proponent-email.usmc; *USAF (Editable)* – ***Proponent E-mail***

BOILERPLATE TEXT: "<![*%usmc-tm;* [
<internet show.address="yes">
<email address="INSERT EMAIL ADDRESS"/> *</internet>* "

&proponent-email.usn; *USN (Editable)* – ***Proponent E-mail***

BOILERPLATE TEXT: "*<internet show.address="yes">*
<email address="INSERT EMAIL ADDRESS"/> *</internet>* "

&proponent-fax; *Lead Service IETM (Editable)* – ***Proponent FAX***

BOILERPLATE TEXT: "*<![INCLUDE[*
<phone type="dsn" receive="fax">INSERT DSN FAX TELEPHONE NUMBER</phone> and]]>
<phone type="coml" receive="fax">INSERT COMMERCIAL FAX TELEPHONE NUMBER</phone> "

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&proponent-fax.army; *Army (Editable)* – ***Proponent FAX***

BOILERPLATE TEXT: ***"<![INCLUDE[***

<phone type="dsn" receive="fax">INSERT DSN FAX TELEPHONE NUMBER</phone> and]]>

<phone type="coml" receive="fax">INSERT COMMERCIAL FAX TELEPHONE NUMBER</phone> "

&proponent-fax.usaf; *USAF (Editable)* – ***Proponent FAX***

BOILERPLATE TEXT: ***"<![INCLUDE[***

<phone type="dsn" receive="fax">INSERT DSN FAX TELEPHONE NUMBER</phone> and]]>

<phone type="coml" receive="fax">INSERT COMMERCIAL FAX TELEPHONE NUMBER</phone> "

&proponent-fax.usmc; *USMC (Editable)* – ***Proponent FAX***

BOILERPLATE TEXT: ***"<![INCLUDE[***

<phone type="dsn" receive="fax">INSERT DSN FAX TELEPHONE NUMBER</phone> and]]>

<phone type="coml" receive="fax">INSERT COMMERCIAL FAX TELEPHONE NUMBER</phone> "

&proponent-fax.usn; *USN (Editable)* – ***Proponent FAX***

BOILERPLATE TEXT: ***"<![INCLUDE[***

<phone type="dsn" receive="fax">INSERT DSN FAX TELEPHONE NUMBER</phone> and]]>

<phone type="coml" receive="fax">INSERT COMMERCIAL FAX TELEPHONE NUMBER</phone> "

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&qawp.acceptance; *Acceptance Inspections Text* – ***Quality Assurance***

The verbatim Quality Assurance Acceptance Inspections text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: *<qawp>*

BOILERPLATE TEXT: "*<title>*ACCEPTANCE INSPECTIONS**</title>**

*<para hcp="no" esd="no">*Items overhauled in accordance with this DMWR will be accepted based on the following criteria

*<seqlist><item>*Conformance to quality of material requirements.**</item>**

*<item>*Conformance to all in-process quality assurance inspections.**</item>**

*<item>*Conformance to all final assembly testing requirements.**</item>**

*<item>*Conformance to the preservation, packaging, and marking requirements.**</item>**

</seqlist></para> "

&qawp.inprocess; *In-Process Inspections Text* – ***Quality Assurance***

The verbatim Quality Assurance In-Process Inspections text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: *<qawp>*

BOILERPLATE TEXT: "*<title>*IN-PROCESS INSPECTIONS**</title>**

*<para>*In-process quality assurance inspections are contained throughout the overhaul procedures of this DMWR. These inspections are immediately preceded by a statement such as “QA check” to identify them, and they are the minimum inspections required. Additional quality assurance inspections may be established by the depot or the commodity manager.**</para> "**

&qawp.responsibility; *Statement Of Responsibility* – ***Quality Assurance***

The verbatim Quality Assurance Statement Of Responsibility text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: *<qawp>*

BOILERPLATE TEXT: "*<title>*STATEMENT OF RESPONSIBILITY**</title>**

*<para hcp="no" esd="no">*The depot/contractor is responsible for complying with the quality assurance requirements contained in this work package and in accordance with *<extref docno="ISO 9000 Series"/>* or equivalent. The commodity manager reserves the right to perform inspections or make changes that ensure the depot work

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being done meets the quality standards of the DMWR and preserves the inherent reliability of the item.**</para> "**

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&short.end.item.name; *End Item Nomenclature (Editable)*

Replace the text with the end item nomenclature.

ELEMENT USED IN: ***&ginfowp.eir;&ginfowp.wrntyref;&ginfowp.mobreq;&coeibiiwp.intro;&aalwp.intro;&explistwp.explist.intro;and &toolidwp.intro;***

BOILERPLATE TEXT: **"**INSERT THE SHORT END ITEM NAME**"**

&storagewp.geninfo; *General Information* – ***Aircraft Storage***

The verbatim Aircraft Storage General Information text IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<storagewp>***

BOILERPLATE TEXT: **"*<para0>***

<title>GENERAL INFORMATION**</title>**

<subpara1 hcp="no" esd="no">

<title>Components Involved in an Accident**</title>**

<para hcp="no" esd="no">Any component removed for reason of accident shall not be preserved, but shall be shipped in the same condition it was in after the accident.**</para></subpara1>**

<subpara1 hcp="no" esd="no"><title>Categories of Storage**</title>**

<para hcp="no" esd="no">

<seqlist>

<item>Flyable storage ***–*** no time limit.**</item>**

<item>Short term (administrative storage) ***–*** 1 to 45 days.**</item>**

<item>Intermediate storage ***–*** 46 to 180 days.**</item>**

</seqlist></para></subpara1></para0> "

&surwp.surmat.chkeqp.inspect; *Inspection Instructions* – ***Check Equipment – Service Upon Receipt***

The verbatim TService Upon Receipt Check Equipment Inspection Instructions IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<chkeqp>***

BOILERPLATE TEXT: **"*<step1><para hcp="no" esd="no">***Inspect the equipment for damage incurred during shipment. If the equipment has been damaged, report the damage on ***<extref docno="SF 361" posttext=", Transportation Discrepancy Report"/>***.**</para></step1>**

<step1><para hcp="no" esd="no">Check the equipment against the packing slip to see if the shipment is complete. Report all discrepancies in

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accordance with applicable service instructions (e.g., for Army instructions, see *<extref docno="DA PAM 750-8"/>*).**</para></step1>**

*<step1><para hcp="no" esd="no">*Check to see whether the equipment has been modified.**</para></step1> "**

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&titleblk.reporting.std-pocket.army;*Army Only All Sizes Page-based* **– *Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for Army only all sizes page-based for Reporting Errors and Recommending Improvements. The following general entities require modifying ***&proponent-address.army;***, ***&proponent-fax.army;***, and ***&proponent-email.army;***.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<reporting>***

<title>REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

<para>You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. ***–*** Mail your letter or ***<extref docno="DA Form 2028" posttext=" (Recommended Changes to Publications and Blank Forms)"/>***, located in the back of this manual directly to: ***&proponent-address.army;***. You may also send in your recommended changes via electronic mail or by fax. Our fax number is ***&proponent-fax.army;***. Our e-mail address is ***&proponent-email.army;***.**</para></reporting> "**

&titleblk.reporting.std-pocket.usmc;*USMC Only All Sizes Page-based* **– *Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for USMC only all sizes page-based for Reporting Errors and Recommending Improvements. The following general entities require modifying ***&proponent-address.usmc;***, ***&proponent-fax.usmc;***, and ***&proponent-email.usmc;***.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<reporting>***

<title>REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

<para>You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit by ***<extref docno="NAVMC form 10772"/>*** directly to ***&proponent-address.usmc;***. You may also send in your recommended changes via electronic mail or by fax. Our fax number is ***&proponent-fax.usmc;***. Our e-mail address is ***&proponent-email.usmc;***.**</para></reporting> "**

&titleblk.reporting.std-pocket.multi-service;*Multi-service Paragraphs Page-based* **– *Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for multi-service all sizes page-based for

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Reporting Errors and Recommending Improvements. The following selectable entities require selecting the services included ***%army-tm;***, ***%usmc-tm;***, ***%usn-tm;***, and ***%usaf-tm;***. The following general entities require modifying ***&proponent-address.army;***, ***&proponent-fax.army;***, ***&proponent-email.army;***, ***&proponent-address.usmc;***, ***&proponent-fax.usmc;***, ***&proponent-email.usmc;***,***&proponent-address.usn;***, ***&proponent-fax.usn;***, ***&proponent-email.usn;***,***&proponent-address.usaf;***, ***&proponent-fax.usaf;***, and ***&proponent-email.usaf;***.

ELEMENT USED IN: ***&titleblk.reporting.std.multi-service;and &titleblk.reporting.pocket.multi-service;***

BOILERPLATE TEXT: **"**

<![***%army-tm;***[

<reporting.para service ="army">Mail your letter or ***<extref docno="DA Form 2028" posttext=" (Recommended Changes to Publications and Blank Forms)"/>***, located in the back of this manual directly to: ***&proponent-address.army;***. You may also send in your recommended changes via electronic mail or by fax. Our fax number is ***&proponent-fax.army;***. Our e-mail address is ***&proponent-email.army;***.**</reporting.para>**

]]>

<![***%usmc-tm;***[

<reporting.para service ="marines">By NAVMC form 10772 directly to ***&proponent-address.usmc;***. You may also send in your recommended changes via electronic mail or by fax. Our fax number is ***&proponent-fax.usmc;***. Our e-mail address is ***&proponent-email.usmc;***.**</reporting.para>**

]]>

<![***%usn-tm;***[

<reporting.para service ="navy">By letter directly to ***&proponent-address.usn;***. You may also send in your recommended changes via electronic mail or by fax. Our fax number is ***&proponent-fax.usn;***. Our e-mail address is ***&proponent-email.usn;***.**</reporting.para>**

]]>

<![***%usaf-tm;***[

<reporting.para service ="af">By Air Force ***<extref docno="AFTO Form 22"/>*** directly to ***&proponent-address.usaf;***. You may also send in your recommended changes via electronic mail or by fax. Our fax number is ***&proponent-fax.usaf;***. Our e-mail address is ***&proponent-email.usaf;***.**</reporting.para>**

]]>**"**

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&titleblk.reporting.std.multi-service;*Multi-service Standard Page Page-based* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for multi-service standard size page-based for Reporting Errors and Recommending Improvements.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<reporting>***

<title>REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

<para>You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Service, should be submitted as follows:**</para>**

&titleblk.reporting.std-pocket.multi-service;

<para>A reply will be furnished to you.**</para>**

</reporting> "

&titleblk.reporting.pocket.multi-service;*Multi-service Pocket Size Page-based* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for multi-service pocket size page-based for Reporting Errors and Recommending Improvements.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<reporting>***

<title>REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

<para>You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Reports, as applicable by the requiring Service, should be submitted as follows:

</para>

&titleblk.reporting.std-pocket.multi-service;

<para>A reply will be furnished to you.**</para>**

</reporting> "

&titleblk.reporting.class.army; *Army Only Classified Page-based* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for Army only classified page-based for Reporting Errors and Recommending Improvements.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<reporting>***

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*<title>*REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

*<para>*You can help improve this manual. If you find any mistakes or if you know of a way to improve this manual, write and tell us about it. Address your correspondence to ***&proponent-address.army;***. When dealing with classified information, make sure that your correspondence is properly marked and is handled in accordance with current security regulations.**</para></reporting> "**

&titleblk.reporting.class.usmc; *USMC Only Classified Page-based* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for USMC only classified page-based for Reporting Errors and Recommending Improvements.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"***<reporting>*

*<title>*REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

*<para>*You can help improve this manual. If you find any mistakes or if you know of a way to improve this manual, write and tell us about it. Address your correspondence to ***&proponent-address.usmc;***. When dealing with classified information, make sure that your correspondence is properly marked and is handled in accordance with current security regulations.**</para></reporting> "**

&titleblk.reporting.class.multi-service;*Multi-service Classified Page-based* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for multi-service classified page-based for Reporting Errors and Recommending Improvements. The following selectable entities require selecting the services included ***%army-tm;***, ***%usmc-tm;***, ***%usn-tm;***, and ***%usaf-tm;***. The following general entities require modifying ***&proponent-address.army;***, ***&proponent-address.usmc;***, ***&proponent-address.usn;***, and ***&proponent-address.usaf;***.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"***<reporting>*

*<title>*REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

*<para>*You can help improve this manual. If you find any mistakes or if you know of a way to improve this manual, write and tell us about it. Service, should be submitted as follows:**</para>**

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<![*%army-tm;*[*<reporting.para service="army">*Address your correspondence to ***&proponent-address.army;***.**</reporting.para>**]]>

<![*%usmc-tm;*[*<reporting.para service="marines">* Address your correspondence to ***&proponent-address.usmc;***.**</reporting.para>**]]>

<![*%usn-tm;*[*<reporting.para service="navy">*Address your correspondence to ***&proponent-address.usn;***.**</reporting.para>**]]>

<![*%usaf-tm;*[*<reporting.para service="af">*Address your correspondence to ***&proponent-address.usaf;***.**</reporting.para>**]]>

*<para>*When dealing with classified information, make sure that your correspondence is properly marked and is handled in accordance with current security regulations.**</para>**

</reporting> "

&reporting.ietm-class; — *Classified Frame-based Paragraph* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for classified frame-based paragraph for Reporting Errors and Recommending Improvements.

ELEMENT USED IN: ***&titleblk.reporting.ietm.army;&titleblk.reporting.ietm.usmc;and &titleblk.reporting.ietm.multi-service;***

BOILERPLATE TEXT: **"**When dealing with classified information, make sure that your correspondence is properly marked and is handled in accordance with current security regulations. **"**

&titleblk.reporting.ietm.army; — *Army only Frame-based* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for Army only frame-based classified and unclassified for Reporting Errors and Recommending Improvements. A classified frame-based manual requires the selectable entity ***%class-tm;***. The following general entities require modifying ***&proponent-email.army;*** and ***&proponent-address.army;***.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<reporting>***

<title>REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

<para>You can help improve this IETM. If you find any mistakes or if you know of a way to improve the procedures, please let us know. <![***%class-tm;***[***&reporting.ietm-class;***]]>If your IETM supports online forms, fill in the electronic publication change request and when connected to the internet, transmit the form. If your IETM does not support online forms, obtain a copy of a ***<extref docno="DA Form 2028" posttext=",***

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Recommended Changes to Publications and Blank Forms"/>. Your IETM may include a partially completed ***<extref docno="DA Form 2028"/>***. Print out the form and complete filling in the pertinent information. For IETMs without a printable ***<extref docno="DA Form 2028"/>***, blank forms should be available through your publications system. Complete the ***<extref docno="DA Form 2028"/>*** and mail it directly to: ***&proponent-address.army;***. If you are unable to obtain a ***<extref docno="DA Form 2028"/>***, you may provide the recommendations by letter to the above address. You may also send in your recommended changes via electronic mail or by fax. Our fax number is ***&proponent-fax.army;***. Our e-mail address is ***&proponent-email.army;***.**</para></reporting> "**

&titleblk.reporting.ietm.usmc; *USMC only Frame-based* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for USMC only frame-based classified and unclassified for Reporting Errors and Recommending Improvements. A classified frame-based manual requires the selectable entity ***%class-tm;***. The following general entities require modifying ***&proponent-email.usmc;*** and ***&proponent-address.usmc;***.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<reporting>***

<title>REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

<para>You can help improve this IETM. If you find any mistakes or if you know of a way to improve the procedures, please let us know. <![***%class-tm;***[***&reporting.ietm-class;***]]>If your IETM supports online forms, fill in the electronic publication change request and when connected to the internet, transmit the form. If your IETM does not support online forms, obtain a copy of a ***<extref docno="NAVMC Form 10772" posttext=", Recommended Changes to Publications and Blank Forms"/>***. Your IETM may include a partially completed ***<extref docno="NAVMC Form 10772"/>***. Print out the form and complete filling in the pertinent information. For IETMs without a printable ***<extref docno="NAVMC Form 10772"/>***, blank forms should be available through your publications system. Complete the ***<extref docno="NAVMC Form 10772"/>*** and mail it directly to: ***&proponent-address.usmc;***. If you are unable to obtain a ***<extref docno="NAVMC Form 10772"/>***, you may provide the recommendations by letter to the above address. You may also send in your recommended changes via electronic mail or by fax. Our fax number is ***&proponent-fax.usmc;***. Our e-mail address is ***&proponent-email.usmc;***.**</para></reporting> "**

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&titleblk.reporting.ietm.multi-service;*Multi-service Frame-based* – ***Reporting – Title Block***

Provides the verbatim text, IAW MIL-STD-40051-1A and MIL-STD-40051-2A, for multi-service frame-based classified and unclassified for Reporting Errors and Recommending Improvements. A classified frame-based manual requires the selectable entity ***%class-tm;***. The following selectable entities require selecting the services included ***%army-tm;***, ***%usmc-tm;***, ***%usn-tm;***, and ***%usaf-tm;***. The following general entities require modifying ***&proponent-address.army;***, ***&proponent-address.usmc;***, ***&proponent-address.usn;***, ***&proponent-address.usaf; &proponent-fax;***, and ***&proponent-email;***.

ELEMENT USED IN: ***<titleblk>***

BOILERPLATE TEXT: **"*<reporting>***

<title>REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**</title>**

<para>You can help improve this IETM. If you find any mistakes or if you know of a way to improve the procedures, please let us know. <![***%class-tm;***[***&reporting.ietm-class;***]]>Service, should be submitted as follows:**</para>**

<![***%army-tm;***[

<reporting.para service="army">If your IETM supports online forms, fill in the electronic publication change request and when connected to the internet, transmit the form. If your IETM does not support online forms, obtain a copy of a ***<extref docno="DA Form 2028" posttext=", Recommended Changes to Publications and Blank Forms"/>***. Your IETM may include a partially completed DA 2028. Print out the form and complete filling in the pertinent information. For IETMs without a printable ***<extref docno="DA Form 2028"/>***, blank forms should be available through your publications system. Complete the ***<extref docno="DA Form 2028"/>*** and mail it directly to: ***&proponent-address.army;***. If you are unable to obtain a ***<extref docno="DA Form 2028"/>***, you may provide the recommendations by letter to the above address.**</reporting.para>**

]]>

<![***%usmc-tm;***[

<reporting.para service="marines">If your IETM supports online forms, fill in the electronic publication change request and when connected to the internet, transmit the form. If your IETM does not support online forms, obtain a copy of a ***<extref docno="NAVMC Form 10772" posttext=", Recommended Changes to Publications and Blank Forms"/>***. Your IETM may include a partially completed NAVMC Form 10772. Print out the form and complete filling in the pertinent information. For IETMs without a printable ***<extref docno="NAVMC Form 10772"/>***, blank forms should be available through your publications system. Complete the ***<extref docno="NAVMC Form 10772"/>*** and mail it directly

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to: *&proponent-address.usmc;*. If you are unable to obtain a *<extref docno="NAVMC Form 10772"/>*, you may provide the recommendations by letter to the above address.**</reporting.para>**

]]>

<![*%usn-tm;*[

*<reporting.para service="navy">*If your IETM supports online forms, fill in the electronic publication change request and when connected to the internet, transmit the form. If your IETM does not support online forms, you may provide the recommendations by letter to the above address.**</reporting.para>**

]]>

<![*%usaf-tm;*[

*<reporting.para service="af">*If your IETM supports online forms, fill in the electronic publication change request and when connected to the internet, transmit the form. If your IETM does not support online forms, obtain a copy of an *<extref docno="AFTO Form 22" posttext=", Technical Order Publications Improvement Report"/>*. Your IETM may include a partially completed *<extref docno="AFTO Form 22"/>*. Print out the form and complete filling in the pertinent information. For IETMs without a printable *<extref docno="AFTO Form 22"/>*, blank forms should be available through your publications system. Complete the AFTO Form 22 and mail it directly to: *&proponent-address.usaf;*. If you are unable to obtain a *<extref docno="AFTO Form 22"/>*, you may provide the recommendations by letter to the above address.**</reporting.para>**

]]>

*<para>*You may also send in your recommended changes via electronic mail or by fax. Our fax number is *&proponent-fax;*. Our e-mail address is

&proponent-email;. A reply will be furnished to you.**</para></reporting> "**

&toolidwp.intro;

Introduction – ***Tool Identification List***

The verbatim Tool Identification List Introduction IAW MIL-STD-40051-1A and MIL-STD-40051-2A. Requires selecting TM type, either page-based (*%page-base;*) or frame-based (IETM) (*%frame-base;*) selectable entity, to generate the correct boilerplate text. Requires selecting maintenance level type, either depot (*% toolidwp.dmwr-nmwr;*) or non-depot (*%toolidwp.common;*) selectable entity, to generate the correct boilerplate text. Requires filling in the short end item name text entity(*&short.end.item.name;*).

ELEMENT USED IN: *<toolidwp>*

BOILERPLATE TEXT: **"***<intro frame="no">*

<para0 hcp="no" esd="no">

*<title>*TOOL IDENTIFICATION LIST *<brk/>*INTRODUCTION**</title>**

<subpara1 hcp="no" esd="no">

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*<title>*Scope**</title>**

*<para hcp="no" esd="no">*This work package lists <![*%toolidwp.common;* [special tools and equipment]]><![*%toolidwp.dmwr-nmwr;* [all common tools and supplements and special tools/fixtures]]> needed to maintain the *&short.end.item.name;*.**</para>**

</subpara1>

<subpara1 hcp="no" esd="no">

*<title>*Explanation of <![*%page-base;*[Columns]]><![*%frame-base;*[Entries]]> the Tool Identification List**</title>**

<para hcp="no" esd="no"><![*%page-base;*[Column (1)]]>Item No. This number is assigned to the entry in the list and is referenced in the initial setup to identify the item (e.g., Extractor (<![*%page-base;*[WP 0090]]><![*%frame-base;*[Tool Identification list]]>, item 32)).**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (2)]]>Item Name. This <![*%page-base;*[column]]><![*%frame-base;*[entry]]> lists the item by noun nomenclature and other descriptive features (e.g., Gage, belt tension).**</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (3)]]>National Stock Number (NSN). This is the National Stock Number (NSN) assigned to the item; use it to requisition the item. **</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (4)]]>Part Number/(CAGEC). Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity) which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items. The manufacturer*’*s Commercial and Government Entity Code (CAGEC) is also included. **</para>**

<para hcp="no" esd="no"><![*%page-base;*[Column (5)]]>Reference. This <![*%page-base;*[column]]><![*%frame-base;*[entry]]> identifies the authorizing supply catalog or RPSTL for items listed in this work package.**</para></subpara1></para0></intro> "**

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&wtloadwp.geninfo; *General Information Text – **Weighing And Loading***

The verbatim Weighing And Loading general information IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<wtloadwp>***

BOILERPLATE TEXT: **"*<title>***WEIGHING AND LOADING ASB***<brk/>***GENERAL INFORMATION**</title>**

<para0 hcp="no" esd="no"><title>Scope**</title>**

<para hcp="no" esd="no">This work package contains description, information, and procedures for aircraft weighing and loading. This information replaces the Chart E (Loading Data and Special Weighing Instructions) placed in the individual aircraft weight and balance files by the aircraft manufacturer. Chart E in the aircraft file will no longer be required. **</para></para0>"**

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<a.statement> *Distribution A Statement – **Notice***

This tag contains the DODD 5230.24 specified text for an unlimited distribution technical manual. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<dist>***

CONTENT MODEL IS: EMPTY

<aal> *Standard Information – **Additional Authorization List***

A list containing standard information of all additional authorization items in the AAL. These items are required to operate the equipment but are not classified as COEI or BII items. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<aalwp>, and <supitemwp>***

CONTENT MODEL IS: (***title***, (***aal-category***+ | ***aal-entry***+))

OPTIONAL ATTRIBUTE(S)

%frameatt; Any of the attributes in the associated attribute set may be used with this element. Refer to frameatt for a complete description.

<aal-category> *Category – **Additional Authorization List***

If a list is subdivided into parts, for example by subassemblies, the category element is used. After the category element is entered, the category title and the specific entries are entered.

ELEMENT USED IN: ***<aal>***

CONTENT MODEL IS: (***title***, ***aal-entry***+)

OPTIONAL ATTRIBUTE(S)

%frameatt; Any of the attributes in the associated attribute set may be used with this element. Refer to frameatt for a complete description.

<aal-entry> *Entry – **Additional Authorization List***

An AAL entry in the AAL standard information. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<aal>, and <aal-category>***

CONTENT MODEL IS: (***nsn***+, ***dcpno***, ***ui***, ***qty***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<aalwp> *Additional Authorization List (AAL)* – ***Work Package***

The additional authorization list work package contains a listing of AAL items. Used in TMs with operator maintenance level.

ELEMENT USED IN: ***<sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, ***aal***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<abbrev> *Abbreviations* – ***Wiring***

A statement that abbreviations are in accordance with ASME-Y14.38. When the abbreviation is contained in a wire diagram work package, it stands for a marking actually found on the equipment or wire.

ELEMENT USED IN: ***<wiringwp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<accept> *Acceptable Condition* – ***Inspection Criteria for Packaging***

The element is used to enter the component/assembly packaging material acceptable condition. The element is a required entry in the Inspection Criteria for Packaging standard information. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<accpt-rpbl-nonrpbl-entry>***

CONTENT MODEL IS: (***%data;***)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<acceptance> *Acceptance Inspections Statement* – ***Quality Assurance***

An acceptance statement that defines the method used for acceptance inspection.

ELEMENT USED IN: ***<qawp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<acceptqual> *Acceptable Quality* – ***Classification of Material Defects***

The element identifies the acceptance quality level required for the component assembly. The element is a required entry in the Classification of Material Defects standard information. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<defect-group>***

CONTENT MODEL IS: (***%text_ent;***)*

<accpt-rpbl-nonrpbl-entry> – ***Critical Inspection for Packaging*** *Acceptance, Repairable, Non-Repairable Entries*

The element is a wrapper tag used to wraps the multiple acceptable, repairable, and nonrepairable conditions for a component/assembly in the Inspection Criteria for Packaging standard information. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<compnt-assem-entry>***

CONTENT MODEL IS: (***accept***, ***repairable***, ***nonrepairable***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<action> *Corrective Action* – ***Troubleshooting***

The element is the corrective action steps or reference to fix an error, problem, defect, or symptom.

ELEMENT USED IN: ***<checkstep>, <endblock>, <faultcode>, <faultproc>, <messageitem>, <tsindx.messageword-entry>, <tsindx.symptom-entry>, and <tsindx.system-entry>***

CONTENT MODEL IS: (***%alert;***, ((***%step;***)+ | ***%p;***))

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<actionreq> *Corrective Action Required*

The element identifies the action required to correct the defect. The element is a required entry in the Depot Mobilization Requirement, Classification of Material Defects, PMI Checklist, and OIP standard information. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<defect-group>, <mobil-entry>, and <oipitem>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<address> *Address*

The proponent address and identification information.

ELEMENT USED IN: ***<proponent>***

CONTENT MODEL IS: (***servnomen***?, ***street****, ***city***, ***state***, ***zip***?, ***country***?, ***phone****, ***internet****)

OPTIONAL ATTRIBUTE(S)

%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<adjust> *Adjustment* – ***Maintenance Task***

A maintenance task containing procedures for adjustments that may be required prior to operating a part, system or end item.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<adminops> *Administrative or Operational Use* – ***Distribution Reason***

Indicates the distribution statement restriction reason as the Administrative or Operational Use and is defined as to protect technical or operational data or information from automatic dissemination under the International Exchange Program or by other means. This protection covers publications required solely for official use or strictly for administrative or operational purposes. This statement may be applied to manuals, pamphlets, technical orders, technical reports, and other publications containing valuable technical or operational data.

ELEMENT USED IN: ***%commondistreason;***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

distreason Distribution reason text for the distribution statement.
DECLARED VALUE: Any character

DEFAULT VALUE = Administrative-Operational Use

<aftermessage> *Link After Message* – ***Dialog Box***

After acknowledging the message dialog box, perform the specified linkage action.

ELEMENT USED IN: ***<message>***

CONTENT MODEL IS: (***link***)

<aindx> *Alphabetical* – ***Index***

The element is used for an alphabetical index of subjects that may be useful to the TM user; appears in the rear matter of the page-based TM. The index can be automatically generated when elements to appear in the index have been properly tagged within the instance and defined in the stylesheet. The alphabetical index is an optional task element because the composition system applications varies how it handles indexing. Some composition systems can not handle an automated task such as this alphabetical index so it has to be manually created. While other composition systems can generate the index with the assistance of a pre or post process, some composition systems have the capability to generate the index without any assistance.

ELEMENT USED IN: ***<rear>***

CONTENT MODEL IS: (***title***, ***trim.para***?, ***col.title***, ***col.title***?, (***alphaindx***?, ***indexentry***)*)?

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OPTIONAL ATTRIBUTE(S)

%stdinfoatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<align> *Alignment* – ***Maintenance Task***

A maintenance task containing procedures to adjust specified variable elements to bring about optimum or desired performance.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<alignproc> *Alignment Procedure* – ***Circuit Alignment Maintenance Task***

The procedures for all alignments including any variations required for different installation options and modes of operation.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<alphaindx> *Category Heading* – ***Alphabetical Index***

Heading of an alphabetical category in an index.

ELEMENT USED IN: ***<aindx>***

CONTENT MODEL IS: (#PCDATA

<ammo> *Conventional and Chemical Ammunition* – ***Technical Manual***

The element begins the requirements for conventional and chemical ammunition manuals. This manual describes the handling, shipping, destruction, and marking for ammunition.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***paper.frnt***, ***gim***, ***%volumegroup;***, (***opim***, ***%volumegroup;***)*, (***mim***, ***%volumegroup;***)+, ***dim***, ***sim***, ***rear***)

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REQUIRED ATTRIBUTE(S)

maintitl Supplies a literal version of the maintenance-level title.
DECLARED VALUE: Any character

maintlvls Specifies the maintenance level(s) authorized to use this manual; this attribute value is used in the style sheet to supply the literal expression of the TM's maintenance level.
DECLARED VALUE: List (10 | 13 | 14 | 23 | 24 | 40)

revno The overall revision number for the manual.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Publication number.
DECLARED VALUE: Any character

rpstl Specifies whether or not the manual includes a RPSTL among its appendixes.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

multivolume Is the manual broken into volumes.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

<ammo.defect> *Ammunition Defect* – ***Maintenance Task***

The ammunition defect procedure for performing visual inspection of ammunition/containers and shall include classification and disposition of defective ammunition/containers.

ELEMENT USED IN: ***<ammowp>, and <surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<ammo.markingwp> *Ammunition Marking* – ***Work Package***

Applicable information shall be provided on ammunition marking, classification, identification, and care and handling within the ammunition marking information work package.

ELEMENT USED IN: ***<ammomarkingcategory>, <ammunitioncategory>, and <systembreakdown>***

CONTENT MODEL IS: (***%ammo_ent;***)

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OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<ammomarkingcategory> *Ammunition Marking* – ***Information Category – Maintenance***

This element defines the available maintenance work packages for the ammunition marking, classification, identification, and care and handling requirements.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***ammo.markingwp***+)

<ammotype> *Ammunitions Type* – ***Maintenance***

This element contains the ammunition type's name and pertinent information.

ELEMENT USED IN: ***%ammo_ent;***

CONTENT MODEL IS: (***name***, (***%p;***)+)

<ammowp> *Ammunition Maintenance* – ***Work Package***

All procedures required for the care and handling of ammunition information for the disposition of defective ammunition, information on ammunition markings, and the use of cleaning materials and paint authorized for use in the specified maintenance operations.

ELEMENT USED IN: ***<ammunitioncategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, (***mark*** | ***ammo.defect*** | ***unpack*** | ***pack*** | ***clean*** | ***paint***))

OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<ammunitioncategory> *Ammunition* – ***Information Category – Maintenance***

This element defines the available maintenance work packages for the ammunition maintenance requirements.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***ammowp*** | ***ammo.markingwp*** | ***natowp***)+

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<and> *And – **Boolean Function***

The boolean "AND" function.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<answer> *Answer to Query – **Logic Tree***

An answer contains explicit actions, including navigation instructions, keyed to values such as "YES," "NOTTRUE," or "VALUE" contained in the "answerval" attribute of the element.

ELEMENT USED IN: ***<origin>, and <testblock>***

CONTENT MODEL IS: (***%text_ent;***)*

REQUIRED ATTRIBUTE(S)

answerval Display and perform the action instruction from the question's answer.
DECLARED VALUE: List (Yes (yes) | No (no) | Pass (pass) | Fail (fai)l | True (true) | Not True (nottrue) | Value or value range (value) | Unanticapted (unantic))

OPTIONAL ATTRIBUTE(S)

value Value to display and match, when attribute answerval is "value".
DECLARED VALUE: Any character

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<applic> *System Effectivity*

Provides the qualifications to identify the effective system by NSN, part number, unique ID, etc. ***<name>*** identifies the effective system to be displayed to in Work Package Identification Block.

ELEMENT USED IN: ***<applic_ref_list>***

CONTENT MODEL IS: (***name***, (***nsn***?, (***%partid;***)?, (***not***?, (***set*** | ***range*** | ***single***))+))

REQUIRED ATTRIBUTE(S)

id System effectivity unique identifier to reference or link.
DECLARED VALUE: ID

abbrevcode Abbreviation code displayed to identify the step(s) or paragraph(s) that system has effectivity.
DECLARED VALUE: Any character

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<applic_ref_list> *Technical Manual System Effectivity List*

A listing of all possible system effectivity configurations. When a work package has a system effectivity issue, the work package reference or links to the system effectivity list.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***applic***+)

<applicability> *System Effectivity Item* – ***Work Package Metadata***

System effectivity this work package is defined for metadata configuration.

ELEMENT USED IN: ***<wp.metadata>***

CONTENT MODEL IS: (#PCDATA

<arccos> *Inverse Cosine* – ***Trigonometry Function***

This element performs the trigonometry function "ARCCOS" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<arcsin> *Inverse Sine* – ***Trigonometry Function***

This element performs the trigonometry function "ARCSIN" on an integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<arctan> *Inverse Tangent* – ***Trigonometry Function***

This element performs the trigonometry function "ARCTAN" on an integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

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<areano> *Area Number* – ***Criteria for Special Inspections – PMI***

The element is used to enter the aviation area number. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<pmi.pecul-entry>***

CONTENT MODEL IS: (#PCDATA

<arm> *Ammunition Activation* – ***Maintenance Task***

All information on preparing activation of ammunition and mines is included in this element.

ELEMENT USED IN: ***<maintsk>, and <surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<assem> *Assembly* – ***Maintenance Task***

A maintenance task that is used for items that have been disassembled or removed from an assembly, subassembly or component.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<authent> *Authentication Page* – ***Graphic***

The TM authentication page graphic provided by the contracting activity.

ELEMENT USED IN: ***<chgsheet>, <functionhierarchy>, <lubeorder_rear>, <rear>, and <systemhierarchy>***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

%graphicatt; Any of the attributes in the associated attribute set may be used with this element. Refer to graphicatt for a complete description.

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<author> *Change Author* – ***Work Package Metadata***

Identifies the changed information name and address.

ELEMENT USED IN: ***<change.history>***

CONTENT MODEL IS: (***name***, ***proponent***)

<authorize_to_destroy> *Authority to destroy material* – ***Destruction General Information Work Package***

The authority to order destruction of equipment.

ELEMENT USED IN: ***<destruct-introwp>***

CONTENT MODEL IS: (***title***, ***para***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<auxeqpwp> *Auxiliary Equipment* – ***Work Package***

All maintenance instructions for peculiar support equipment are contained within the auxiliary equipment work package when not provided by procurement.

ELEMENT USED IN: ***<auxiliarycategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, (***maintsk*** | ***proc***))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<auxiliarycategory> *Auxiliary Equipment* – ***Information Category – Maintenance***

This element defines the available maintenance work packages for the auxiliary equipment maintenance requirements.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***auxeqpwp***+, ***%mimsupport;***)

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<avail> *Availability Statement* – ***Notice***

The standard availability notice that appears on the DMWR/NMWR front cover. Depot only. Refer to Text Boilerplate ***&notices.avail;*** for required verbatim.

ELEMENT USED IN: ***<notices>***

CONTENT MODEL IS: (***title***?, ***text***, ***proponent***, ***text***)

<avcompassem-group-2lvl> *Component/Assembly Grouping for 2 Level Maintenance* – ***Aviation 2 Level Maintenance – Maintenance Allocation Chart***

The element wraps the aviation MAC component/assemble for each component/assembly and all the functional maintenance requirement. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<avmac-group-2lvl>***

CONTENT MODEL IS: (***compassem***, ***avqualify-2lvl***+)

<aviationcategory> *Aviation* – ***Information Category – Maintenance***

This element defines the available maintenance work packages for the aviation maintenance requirements.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***surwp****, ***perseqpwp****, (***pmiwp*** | ***lubewp*** | ***maintwp*** | ***gen.maintwp***)+, ***orschwp***, (***manu_items_introwp***, ***manuwp***+)?, ***torquewp***?, ***inventorywp***?, ***storagewp****, ***wtloadwp***+, ***wiringwp****)

<avmac> *Standard Information* – ***Aviation – Maintenance Allocation Chart***

An aviation Maintenance Allocation Chart (AVMAC) lists the maintenance functions, levels and times assigned to each item. The AVMAC is identical to the normal MAC except that it only identifies three levels of maintenance instead of five levels. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<macwp>***

CONTENT MODEL IS: (***title***, ***avmac-group-2lvl***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<avmac-group-2lvl> *Functional Grouping for 2 Level Maintenance – **Aviation 2 Level Maintenance – Maintenance Allocation Chart***

This element wraps the function group number information for the Aviation MAC. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<avmac>***

CONTENT MODEL IS: (***groupno***, ((***compassem***, ***avqualify-2lvl***+) | ***avcompassem-group-2lvl***+))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<avmaintclass-2lvl> *Maintenance Classification for 2 Level Maintenance – **Aviation 2 Level Maintenance – Maintenance Allocation Chart***

This element is the Aviation Maintenance Allocation Chart (AVMAC) maintenance classification group for AMC (O), ASB (F), TASMG (L), and Depot (D) that contains the authorized maintenance level(s) and the time required to perform the task.

ELEMENT USED IN: ***<avqualify-2lvl>***

CONTENT MODEL IS: ((***o***, ***f***?, ***l***?, ***d***?) | (***f***, ***l***?, ***d***?) | (***l***, ***d***?) | ***d***)

<avqualify-2lvl> *Qualifier – **Aviation 2 Level Maintenance – Maintenance Allocation Chart***

Identifies a qualification of components in an AVMAC. This element contains the maintenance function, maintenance class, test equipment reference and remark references.

ELEMENT USED IN: ***<avcompassem-group-2lvl>, and <avmac-group-2lvl>***

CONTENT MODEL IS: (***maintfunc***, ***avmaintclass-2lvl***, ***terefs***?, ***remarkrefs***?)

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<b.statement> *Distribution B Statement – **Notice***

This tag contains the DODD 5230.24 specified text for B restriction distribution (Distribution authorized to U.S. Government Agencies only) technical manual. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<dist>***

CONTENT MODEL IS: ((***%commondistreason;*** | ***proprietary*** | ***testeval*** | ***cntrctperform*** | ***premature***), ***reasondate***, ***releaseagent***)

<back> *Back Cover – **Graphic***

The element is the TM back cover graphic. The inside back cover usually contains a metric conversion chart; the outside shall be blank, except for pocket manuals.

ELEMENT USED IN: ***<lubeorder_rear>, and <rear>***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

boardno The entity name containing the reproducible graphics, such as the metric conversion chart.
DECLARED VALUE: Pointer

reprodep Specifies the illustration depth or length.
DECLARED VALUE: Any character

reprowid Specifies the illustration width.
DECLARED VALUE: Any character

hscale Specifies the horizontal scaling factor for scaling the graphic; not used if "scalefit='yes'".
DECLARED VALUE: Any character

vscale Specifies the vertical scaling factor for scaling the graphic; not used if "scalefit='yes'".
DECLARED VALUE: Any character

scalefit Specifies that the graphic is to be scaled as needed to fit the size of the reproduction area.
DECLARED VALUE: "yes" or "no"

alt Narrative to identify the graphic.
DECLARED VALUE: Any character

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%graphicatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to graphicatt for a complete description.

<badtext> *Fault Bad Condition Text* – ***Expression***

This element provides the bad condition narrative for a fault code stored in a state state (variable) information.

ELEMENT USED IN: ***<fault>***

CONTENT MODEL IS: (***%text_ent;***)*

<baim> *Battle Assessment* – ***Chapter – BDAR***

Used only for a separate BDAR manual and contains the Battle Assessment Work Packages.

ELEMENT USED IN: ***<bdar>***

CONTENT MODEL IS: (***titlepg***, ***damage-assesswp***+)

OPTIONAL ATTRIBUTE(S)

%imatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<bdar> *Manual* – ***BDAR***

BDAR paper manual.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: ((***framed.frnt*** | ***paper.frnt***), ***gim***, ***baim***, ***brim***+, ***sim***, ***rear***?)

REQUIRED ATTRIBUTE(S)

maintitl BDAR manual title.
DECLARED VALUE: Any character

revno Revision number.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Publication number.
DECLARED VALUE: Any character

%paper.size; Any of the attributes in the associated attribute set may be used with this element. Refer to paper.size for a complete description.

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%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<bdar-combat-threat> *Combat Threats (Aviation Only)* – ***BDAR***

The element contains the damage description from threats confronting aircraft while on combat missions and on the ground.

ELEMENT USED IN: ***<bdar-geninfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-geninfowp> *General Information* – ***Work Package – BDAR***

This element contains information that is general in nature and it informs the user/reader of the purpose and scope of the BDAR information and its relationship to user personnel, other publications, and the end item/system it supports. In addition, includes definitions, standards, practices, identification of responsibilities, and tasks to be performed.

ELEMENT USED IN: ***<bim>, and <gim>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***bdar-std-practices***, ***bdar-task-resp***, ***bdar-combat-threat***?)

OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<bdar-limitation> *Operations Limitations* – ***BDAR***

This element statement identifies the limits that would be imposed on the equipment/end item, in relation to operational capability, if the BDAR repair fix procedure is performed.

ELEMENT USED IN: ***<bdar-repair-proc>***

CONTENT MODEL IS: (***title***, ***text***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<bdar-manuitem> *Manufactured Item* – ***BDAR***

Provides a wrapper for each manufactured item in the BDAR work package.

ELEMENT USED IN: ***<bdartoolswp>***

CONTENT MODEL IS: (***title***, ***initial_setup***, ***%alert;***, (***proc*** | (***graphic*** | ***%p;*** | ***step1*** | ***figure*** | ***table*** | ***material-list*** | ***partdesc***)+))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-mtrl-tools> *Materials and/or Tools* – ***BDAR***

This element contains a list of materials and tools (peculiar) needed to make the BDAR fix.

ELEMENT USED IN: ***<bdar-repair-proc>***

CONTENT MODEL IS: (***title***, ((***mtrlpart-setup-item***+, ***tools-setup-item****) | ***tools-setup-item***+))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-persn> *Personnel and Time Required Group* – ***BDAR***

This element contains the number of personnel and time required to accomplish the BDAR fix.

ELEMENT USED IN: ***<bdar-repair-proc>***

CONTENT MODEL IS: (***title***, ***bdar-persn-item***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-persn-item> *Personnel and Time Required Item* – ***BDAR***

This element contains the number of personnel and time required to accomplish the BDAR fix.

ELEMENT USED IN: ***<bdar-persn>***

CONTENT MODEL IS: (***persnreq-setup-item***, ***time.to.comp***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-repair> *Repair – **BDAR***

This element provides the following types of repairs under the General Repair Work Package.

General repair. Procedures provided for items that are not necessarily associated with a specific component or subsystem of the end item.

End item repair. Procedures for repair of the overall end item.

Major functional group repair. Procedures for repair of major functional groups applicable to the equipment/system covered by the manual.

Auxiliary equipment. Procedures for repair of battle damage to auxiliary equipment.

ELEMENT USED IN: ***<genrepairwp>***

CONTENT MODEL IS: (***title***, ***geninfo***, (***bdar-repair-proc*** | ***bdar-repair-option***))

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-repair-option> *Optional Repair – **BDAR***

This element provides optional method of making the same repair/fix.

ELEMENT USED IN: ***<bdar-repair>***

CONTENT MODEL IS: (***title***, ***para***?, ***bdar-repair-proc***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-repair-proc> *Repair Procedure – **BDAR***

This element provides the item name and the trouble with a general statement(s) concerning the particular type of trouble and repair to be made.

ELEMENT USED IN: ***<bdar-repair>, and <bdar-repair-option>***

CONTENT MODEL IS: (***bdar-limitation***+, ***bdar-persn***?, ***bdar-mtrl-tools***?, ***proc***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-std-practices> *Standards and Practices* – ***BDAR***

This element contains information pertaining to standards and practices peculiar to combat conditions.

ELEMENT USED IN: ***<bdar-geninfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdar-task-resp> *Tasks and Responsibilities* – ***BDAR***

This element contains tasks that may be required as a result of battlefield damage.

ELEMENT USED IN: ***<bdar-geninfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bdarcategory> *Supporting Information Category* – ***BDAR***

Used only for a separate BDAR manual and contains the BDAR specific Supporting Work Packages.

ELEMENT USED IN: ***<sim>***

CONTENT MODEL IS: (***bdartoolswp***?, ***explistwp***, ***substitute-matwp***)

<bdartoolswp> *Special or Fabricated Tools* – ***Work Package – BDAR***

The work package contains a list of all tools and test equipment that are required for BDAR procedures and that are not common.

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Additionally, when fabrication of tools is required for BDAR, fabrication instructions for those tools are included.

ELEMENT USED IN: ***<bdarcategory>, and <bim>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***?, ***intro***, ((***toolidlist***, (***intro***, ***manuindx***, ***bdar-manuitem***+)?) | (***manuindx***, ***bdar-manuitem***+)))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<bii> *Standard Information* – ***Option A – Basic Issue Items***

This Option A Basic Issue Items (BII) element contains all illustrated items first, followed by an itemized list. Basic Issue Items (BII) are the required items to operate the equipment and are not part of the end item.

ELEMENT USED IN: ***<coeibiiwp>, and <supitemwp>***

CONTENT MODEL IS: (***graphic***+, ***biitab***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bii-category> *Category* – ***Option A – Basic Issue Items***

If a list is subdivided into parts, for example by subassemblies, the category element is used. After the category element is entered, the category title and the specific entries are entered.

ELEMENT USED IN: ***<biitab>***

CONTENT MODEL IS: (***title***, ***bii-entry***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bii-entry> *Entry* – ***Option A – Basic Issue Items***

The element contains the BII information with reference to the graphic (Option A). In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<bii-category>, and <biitab>***

CONTENT MODEL IS: (***illno***, (***nsn***, ***dcpno***, ***ui***, ***qty***)+)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bii-opt> *Standard Information* – ***Option B – Basic Issue Items***

This Option B Basic Issue Items (BII) element contains an itemized list integrated with the illustrated item. Basic Issue Items (BII) are the required items to operate the equipment and are not part of the end item. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<coeibiiwp>***

CONTENT MODEL IS: (***title***, ***bii-opt-entry***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bii-opt-entry> *Entry* – ***Option B – Basic Issue Items***

The element is the BII list entry. Option B has the illustrated item associated with each entry. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<bii-opt>***

CONTENT MODEL IS: (***itemno***, ***nsn***, ***graphic***, ***dcpno***, ***ui***, ***qty***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<biitab> *Standard Information* – ***Option A – Basic Issue Items***

This Option A Basic Issue Items (BII) element contains all illustrated items first, followed by an itemized list. The BII are the required items to operate the equipment and are not part of the end item. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<bii>***

CONTENT MODEL IS: (***title***, (***bii-category***+ | ***bii-entry***+))

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OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<bim> *BDAR* – ***Chapter – BDAR***

Used only for a combined TM and BDAR manual and contains all BDAR requirements.

ELEMENT USED IN: ***<functionhierarchy>, and <systemhierarchy>***

CONTENT MODEL IS: (***titlepg***, ***bdar-geninfowp***, ***damage-assesswp***+, ***genrepairwp***+, ***bdartoolswp***?, ***substitute-matwp***)

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<binarymenu> *Binary Menu* – ***Dialog Box***

This element interacts with the IETM providing state information to determine the next action. The information is gathered by prompting with a query and selecting a binary condition (yes/no, pass/fail, true/false).

ELEMENT USED IN: ***<dialog>, and <dialog-group>***

CONTENT MODEL IS: (***precond***?, ***enable***?, ***prompt***, ***yesstate***, ***nostate***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

answer Type of answer to display on the screen.
DECLARED VALUE: List (YesNo | TrueFalse | PassFail)
DEFAULT VALUE = YesNo

default The default button. If "yes" then the positive button is the default, if "no" then the negative button is the default, and if not specified, neither button is the default.
DECLARED VALUE: "yes" or "no"

type Display the choice option items as radio buttons, buttons, or a pull down menu.
DECLARED VALUE: List (radio | button | pulldown)
DEFAULT VALUE = radio

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select Single selection or multiple selections.
DECLARED VALUE: List (single)
DEFAULT VALUE = single

flow Display the selection values as a list or horizontal across.
DECLARED VALUE: List (list | inline)
DEFAULT VALUE = list

mandatory Selecting a value is required to continue.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = yes

<blank_form> *Blank Form* – ***Aircraft PMS/PMD/PMI only – Rear***

The element provides the capability to design a blank form in support of DA PAM 738–751.

ELEMENT USED IN: ***<rear>***
CONTENT MODEL IS: (***table***)

<boi> *Basis of Issue* – ***Parts Information***

This element indicates an end item/assembly items, sets, or kits authorized support quantity.

ELEMENT USED IN: ***<pi.item>***
CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<boolean> *Boolean* – ***Value Type***

The element is used define a state (variable) information as a Boolean type (true or false).

ELEMENT USED IN: ***%value;***
CONTENT MODEL IS: (***true*** | ***false***)

<branchref> *Branch Reference* – ***Logic Tree – Troubleshooting***

An element, used primarily for page-based manuals, to provide page reference and pointer to the next logic test branch. The element is needed when test block

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is not located on the current page. In frame-based manuals, no information is displayed at this intermediate, but display the test block being referenced.

ELEMENT USED IN: ***<logicproc>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

textblockid Reference to the test block, which the branch is to go next.
DECLARED VALUE: ID Reference

branch Unique identifier to reference the branch.
DECLARED VALUE: ID

branchfrom Reference(s) where the logic block came from.
DECLARED VALUE: ID Reference (one or more)

branchto Reference(s) next logic block to perform.
DECLARED VALUE: ID Reference (one or more)

OPTIONAL ATTRIBUTE(S)

branchlabel Reference label for the logic block.
DECLARED VALUE: Any character

<brim> *General Repair* – ***Chapter – BDAR***

Used only for a separate BDAR manual and contains the General Repair Work Packages.

ELEMENT USED IN: ***<bdar>***

CONTENT MODEL IS: (***titlepg***, ***genrepairwp***+)

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<brk> *Line Break*

Causes a line break in the narrative. May be used optionally in a frame-based manual.

ELEMENT USED IN: ***<entry>, <name>, <stitle>, <subject>, <title>, and <weapons_system>***

CONTENT MODEL IS: EMPTY

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<bulk_itemswp> *Parts Bulk Item List* – ***Work Package***

Material that is used to make items is shown in a separate work package and has functional group called BULK MATERIAL and figure to be titled FIG. BULK. Items in the bulk figure shall be listed alphabetically by item name in the DESCRIPTION AND USABLE ON CODE (UOC) column. Numbers in the ITEM column of bulk material list apply to the FIG. BULK only and is not to be associated with item numbers (callouts appearing on the illustrations/figures).

ELEMENT USED IN: ***<pim>, and <systemhierarchy>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***fncgrp***, ***pi.item***+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<button> *Button* – ***Dialog Box***

Provides the mechanism to display a button next to each menu choice in a dialog box. The button can launch an external application or a secondary dialog box.

ELEMENT USED IN: ***<choice>***

CONTENT MODEL IS: (***prompt***, (***link*** | ***dialog***))

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<c> *Crew Hours – **2 Maintenance Level – Maintenance Allocation Chart***

Grouping of the work time for crew or operator maintenance level (C). In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<maintclass-2lvl>, and %secur;***

CONTENT MODEL IS: (#PCDATA

<c.statement> *Distribution C Statement – **Notice***

This tag contains the DODD 5230.24 specified text for C restriction distribution (Distribution authorized to U.S. Government Agencies and their contractors) technical manual. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<dist>***

CONTENT MODEL IS: ((***%commondistreason;***), ***reasondate***, ***releaseagent***)

<cageno> *Commercial and Government Entity Code (CAGEC)*

A five character code assigned to commercial activities that manufacture or supply items used by the Federal Government and to Government activities that control design or are responsible for the development of certain specifications, standards, or drawings which control the design of Government items CAGE Code assignments are listed in the CAGE PublicationsH4/H8.

ELEMENT USED IN: ***<compchklist>, <csi-entry>, <dcpno>, <expdur-entry>, <material-list>, <mrpl-entry>, <partcage>, <partdesc>, <pi.item>, <pnindxrow>, <tool-entry>, and %partid;***

CONTENT MODEL IS: (#PCDATA

<calibration> *Calibration – **Maintenance Task***

A maintenance task containing procedures for any calibration which may occur after an assembly or an installation. References to applicable publications containing the calibration procedure may be entered.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<callout> *Figure Callout* – ***Linking***

The element is used for a figure reference and callout reference, number, letter, or symbol appearing in the figure.

ELEMENT USED IN: ***<kititem>, <legend.item>, <loadlist>, <nsnindxrow>, <oipitem>, <pi.item>, <pnindxrow>, <refdesindxrow>, and %data;***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

assocfig Reference to the associated figure.
DECLARED VALUE: ID Reference

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

numref Reference to the associated figure index number.
DECLARED VALUE: ID Reference

partref Reference to the part's information for the index number.
DECLARED VALUE: ID Reference

label If can not reference the index number, input in the label attribute.
DECLARED VALUE: Any character

<calref> *Calibration Reference Statement* – ***General Information***

Any equipment requiring calibration is listed with a reference to the publication containing the correct calibration procedure.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<caution> *Caution – **Alert***

A caution is used for procedures or actions that if not executed properly may result in damage to equipment or in long-term health hazards.

ELEMENT USED IN: ***<specpara>, and %alert;***

CONTENT MODEL IS: ((***caution.group***, ***caution.group***+) | (***icon-set****, ((***trim.para***, ***seqlist***?)+ | ***seqlist***)))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<caution.group> *Caution Group – **Alert***

Narrative for multiple cautions grouped into a single caution item.

ELEMENT USED IN: ***<caution>***

CONTENT MODEL IS: (***icon-set****, ((***trim.para***, ***seqlist***?)+ | ***seqlist***))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<certreq> *Certification Requirements – **Quality Assurance***

A certification requirements statement for certification or licensing requirements for process, procedures, materials, equipment or personnel skills used.

ELEMENT USED IN: ***<qawp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<change> *Text Change Information*

The scope and type of changed information is indicated by being enclosed within start and end tag. Used only for changes to a word(s).

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Insertion, modification or deletion to a paragraph or step is indicated with the paragraph or step element attributes.

ELEMENT USED IN: ***%text_ent;***

CONTENT MODEL IS: (***%data;*** | ***%misc;***)*

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<change.history> *Change History Record* – ***Work Package Metadata***

The work package metadata tracks each change to the work package by author, date of change, WP status (i.e. WIP, draft, deleted), and reason for change.

ELEMENT USED IN: ***<tracking>***

CONTENT MODEL IS: (***author***, ***date***, ***wp.status***, ***reason***)

REQUIRED ATTRIBUTE(S)

id Unique identifier to reference change marker to change history record.
DECLARED VALUE: ID

<checked> *Items to be Checked or Serviced* – ***PMCS***

Identifies the items to be checked or serviced in the PMCS. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<pmcs-entry>***

CONTENT MODEL IS: (***%format;***)*

<checklistcategory> *Phased Maintenance Inspection (PMI) Checklist* – ***Information Category – Maintenance***

This element defines the available maintenance work packages for the Phased Maintenance Inspection (PMI) Checklist requirements.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***pmi-cklistwp***+)

<checkstep> *Step* – ***Operational Checkout – Troubleshooting***

The element contains a series of steps that leads to an indication or condition which concludes with a corrective action or reference to a detailed troubleshooting procedure work package. When the test procedure results in an abnormal indication or condition, a malfunction or a series of

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malfunctions are provided. For each malfunction, the possible a corrective action or reference to a detailed troubleshooting procedure work package is provided. The element represents the row in a page-based or a group in a frame-based in the operational checkout test table.

ELEMENT USED IN: ***<testproc>***

CONTENT MODEL IS: ((***%step;***)+, (***indication***, ((***malfunc***, (***action*** | ***xref***))+ | (***action*** | ***xref***)))+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<chgdate> *Change Date* – ***Change Sheet***

The element is the publication effective change date.

ELEMENT USED IN: ***<chgsheet>, and <issued>***

CONTENT MODEL IS: (#PCDATA

REQUIRED ATTRIBUTE(S)

julian Specify the date in the following format yyyymmdd. Used for sorting or reformatting/verifying the content model.

DECLARED VALUE: Any character

<chghistory> *List of Effective Pages/Work Packages History* – ***LOEP/WP***

The element lists either the page number(s) or WP(s) with the change number. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<loepwp>***

CONTENT MODEL IS: (((***pageno***, ***pageno***?) | (***title***, ***totnum.pages***) | (***wpno***, ***wppages***)), ***chgno***)

OPTIONAL ATTRIBUTE(S)

modified Indicates the change type as ADDED, DELETED, BLANK PAGE, CHANGED, and No reason.

DECLARED VALUE: List (added | deleted | blank | none | changed)

DEFAULT VALUE = changed

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<chglist> *Change List* – ***Change Sheet***

The element is the changed pages and work packages list item appearing on the change sheet. It may contain the the pervious manual pages or work packages that have been removed and current manual pages or work packages inserted.

ELEMENT USED IN: ***<chgsheet>***

CONTENT MODEL IS: (***trim.para***, (***chgpagelist*** | ***chgwplist***)?)

OPTIONAL ATTRIBUTE(S)

label Output a prefix to the paragraph (i.e., step number or paragraph number)
DECLARED VALUE: Any character

<chgno> *Change Number*

The current document change level of the the change sheet and title block page.

ELEMENT USED IN: ***<chghistory>, <chgsheet>, <issued>, and <titleblk>***

CONTENT MODEL IS: (#PCDATA

<chgpage> *Page Changes* – ***Change Sheet***

The element contains the removed and inserted page numbers. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<chgpagelist>***

CONTENT MODEL IS: (***removepg***, ***insertpg***)

<chgpagelist> *Page Change List* – ***Change Sheet***

The element lists the TM changed pages. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<chglist>***

CONTENT MODEL IS: (***title***, ***title***, ***chgpage***+)

<chgsheet> *Change Sheet*

A change sheet required to appear in a changed document. This sheet contains elements explicitly placed in the document (it is not required to be generated by the system, as the Table of Contents must be). The purpose of the change

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sheet into list the reason(s) for the change to the data and to provide a table designating which pages are to be removed and which are to be inserted.

ELEMENT USED IN: ***<paper.frnt>, and <volume>***

CONTENT MODEL IS: (***chgno***, (***title***?, ***servnomen***)+, ***city***, ***state***, ***chgdate***, ***prtitle***, (***stitle***, ***weapons_system***?)?, ***notices***, ***trim.para***, ***chglist***+, ***authent***)

OPTIONAL ATTRIBUTE(S)

date Effective date.
DECLARED VALUE: Any character

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<chgvol> *Volume Group* – ***LOEP/WP***

The element group pages and work packages by volume number in the list of effective pages (LOEP)/work packages (WP).

ELEMENT USED IN: ***<loepwp>***

CONTENT MODEL IS: (#PCDATA

<chgwplist> *WP Change List* – ***Change Sheet***

The element list the changed Work Packages in the TM. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<chglist>***

CONTENT MODEL IS: (***title***, ***wpno***+)

<chkeqp> *Checking Unpacked Equipment* – ***Maintenance Task***

A service upon receipt of material task that contains all inspections required after equipment is unpacked. A reference may be made to include the Transportation Discrepancy Report (form SF 361).

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***title***, ***%alert;***, ***geninfo***?, ***figure****, (((***%p;***)+, ((***%chkeqpstdinfo;***)* | (***proc***, ***%chkeqpstdinfo;***)*)) | (***%chkeqpstdinfo;***)+ | (***proc***, ***%chkeqpstdinfo;***)+))

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<chklist> *Checklist* – ***Preshop Analysis – Troubleshooting***

A checklist may be required as part of the preshop analysis requirements. It contains the same data as procedural text, except that it is abbreviated in checklist form.

ELEMENT USED IN: ***<pshopanal>***

CONTENT MODEL IS: (***coverpage***, ***intro***?, ***pshopchk.tab***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<choice> *Menu Choice* – ***Dialog Box***

This element is used in an IETM to enter state (variable) information. The element is one of several choices that is presented as a list or menu. The choice can have precondition associated thus if the conditions are not meet, the choice is not shown. The Text element provides the menu selection option. When the menu choice is selected one or more state information is set for further use later to determine the next action.

ELEMENT USED IN: ***<menu>***

CONTENT MODEL IS: (***precond***?, ***enable***?, ***text***, ((***link*** | ***dialog***)? | ***button****), (***%state-manipulation_ent;***)+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

default Is this choice the default selection.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = No

<city> *City* – ***Address***

City used in an address block.

ELEMENT USED IN: ***<address>, <chgsheet>, and <titleblk>***

CONTENT MODEL IS: (#PCDATA

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OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<ckremarks> *Pass/Fail Check Remarks* – ***Signal Item – Troubleshooting***

Remarks associated with a pass/fail signal operational check.

ELEMENT USED IN: ***<signal-item>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<clean> *Cleaning* – ***Maintenance Task***

A maintenance task containing cleaning procedures, methods, special equipment, and materials that are needed. Instructions are prepared for corrosion prevention treatment of metal parts after cleaning.

ELEMENT USED IN: ***<ammowp>, and <maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<cntrctperform> *Contractor Performance Evaluation* – ***Distribution Reason***

Indicates the distribution statement restriction reason as the contractor performance evaluation and is defined as to protect information in management reviews, records of contract performance evaluation, or other advisory documents evaluating programs of contractors. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<b.statement>, and <e.statement>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

distreason Distribution reason text for the distribution statement.

DECLARED VALUE: Any character

DEFAULT VALUE = Contractor Performance Evaluation

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<coei> *Standard Information* – ***Option A – Components of End Item***

This element contains a standard component of end item (COEI) list that first illustrates the items, then list the itemized COEIs for inventory purposes.

ELEMENT USED IN: ***<coeibiiwp>, and <supitemwp>***

CONTENT MODEL IS: (***graphic***+, ***coeitab***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<coei-category> *Category* – ***Option A – Components of End Item***

If a list is subdivided into parts, for example by subassemblies, the category element is used. After the category element is entered, the category title and the specific entries are entered.

ELEMENT USED IN: ***<coeitab>***

CONTENT MODEL IS: (***title***, ***coei-entry***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<coei-entry> *Entry* – ***Option A – Components of End Item***

This Option A Components of End Item (COEI) element contains an itemized list with reference the associated illustration. Components of End Item (COEI) are all the spare/repair parts that are removed from the major end item and separately packaged or stowed for transportation or movement. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<coei-category>, <coeitab>, and <on-board-spares>***

CONTENT MODEL IS: (***illno***, (***nsn***, ***dcpno***, ***ui***, ***qty***)+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<coei-opt> *Standard Information* – ***Option B – Components of End Item***

If a list is subdivided into parts, for example by subassemblies, the category element is used. After the category element is entered, the category title and the specific entries are entered.

ELEMENT USED IN: ***<coeibiiwp>***

CONTENT MODEL IS: (***title***, ***coei-opt-entry***+, ***on-board-spares-opt***?)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<coei-opt-entry> *Entry* – ***Option B – Components of End Item***

This Option B Components of End Item (COEI) element contains an itemized list integrated with the illustrated item. Components of End Item (COEI) are all the spare/repair parts that are removed from the major end item and separately packaged or stowed for transportation or movement. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<coei-opt>, and <on-board-spares-opt>***

CONTENT MODEL IS: (***itemno***, ***nsn***, ***graphic***, ***dcpno***, ***ui***, ***qty***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<coeibiiwp> *Components of End Item (COEI) and Basic Issue Items (Basic Issue Items) Lists* – ***Work Package***

The component of end item (COEI) and basic issue items (BII) lists work package is prepared as an inventory of the equipment and items required to operate the equipment to ensure safe and efficient operation. Used in TMs with operator maintenance level.

ELEMENT USED IN: ***<sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, (***coei*** | ***coei-opt***), (***bii*** | ***bii-opt***))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<coeitab> *Standard Information* – ***Option A – Components of End Item***

All the spare/repair parts that are removed from the major end item and separately packaged or stowed for transportation or movement are listed in the COEI list. Option A has all the illustrations before the itemized list. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<coei>***

CONTENT MODEL IS: (***title***, (***coei-category***+ | ***coei-entry***+), ***on-board-spares***?)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<col.title> *Column List Title*

Specifies a list column title for Index, TOC, and LOEP/WP.

ELEMENT USED IN: ***<aindx>, <contents>, and <loepwp>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

newline Specify if the element starts a new line or continue inline. This used when multiple lines are needed for the column list title.

DECLARED VALUE: "yes" or "no"

<colspec> *Column Specification* – ***CALS Table***

Column characteristics, a column being a vertical portion of a table ***<table>***. The default values come from the table group ***<tgroup>***, table head ***<thead>*** starting the current (enclosing) group. Each ***<colspec>*** is for a single column, so it properly has a column number (colnum) implicitly in order starting from 1, and an an optional colname by which it is known when used in any ***<spanspec>*** or in ***<entry>***. A ***<colspec>*** contained in table head ***<thead>*** should be complete for all columns. It overrides those on the containing table group ***<tgroup>*** and applies to just the table head ***<thead>***. If there is no ***<colspec>*** used within table head ***<thead>***, then the ***<colspec>*** of the containing table group ***<tgroup>*** (or the prior table group ***<tgroup>***) is used. ***<colspec>*** s from the containing table group ***<tgroup>*** apply to table body ***<tbody>***.

ELEMENT USED IN: ***<tgroup>, and <thead>***

CONTENT MODEL IS: EMPTY

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OPTIONAL ATTRIBUTE(S)

align
DECLARED VALUE: Specifies the horizontal alignment of content within the column. List (left (flush left), center (centered), right (flush right), justify (both flush left and flush right), or char (align on leftmost of a specified character, positioned in column by charoff attribute).)

char
DECLARED VALUE: For align="char," the value is the single alignment character around which the entry is aligned; the first occurrence of the character is used as the alignment point. Entries not containing this character are aligned to the left of this position. Any character

charoff
DECLARED VALUE: For align="char," horizontal character offset is the percent of the current column width to the left of the (left edge of the) alignment character. Any character

colname
DECLARED VALUE: Specifies name of column, used to specify the position in a row, or the start or end of a horizontal span of columns. Name Token

colsep
DECLARED VALUE: Default for all items in this column (within the enclosing group) of the table. If one, display the internal column vertical ruling to the right of each item; if zero, do not display it. Ignored for the last column, where the frame setting applies. List (0 | 1)

colnum
DECLARED VALUE: Identifies the column number, counting from 1 at left of the table. Any character

colwidth
DECLARED VALUE: Enter either a proportional measure of the form number*, i.e., "5*" for 5 times the proportion, or "*" (="1*"); or, fixed measure, i.e., 2pt for 2 points, 3pi for 3 picas. Coefficients are positive integers. Any character

rowsep
DECLARED VALUE: Default for all items in this column (within the enclosing group) of the table. If one, display the internal horizontal row ruling below each item. If zero, do not display it. Ignored for the last row of the table, since overridden by the frame setting. List (0 | 1)

<common_part_ref> *Reference to Common Parts Data* – ***Parts Information***

Reference for common parts data.

CONTENT MODEL IS: EMPTY

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REQUIRED ATTRIBUTE(S)

idref ID reference to common part data.
DECLARED VALUE: ID Reference

<comp-item> *Component Item* – ***Equipment Description and Data***

A major component of the equipment, which is covered in the location and description of equipment components.

ELEMENT USED IN: ***<pi.item>***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<comp-locator> *Components Locator* – ***Graphic***

This element contains a graphic to locate the components under test.

ELEMENT USED IN: ***%diagnostic-test_ent;, and %tsdata;***

CONTENT MODEL IS: (***graphic***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<compassem> *Component/Assembly* – ***Maintenance Allocation Chart***

The components, assemblies, subassemblies, and modules item names which maintenance is authorized. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avcompassem-group-2lvl>, <avmac-group-2lvl>, <compassemgroup-2lvl>, <mac-group-2lvl>, and <pecul.insp-group>***

CONTENT MODEL IS: (***name***, ***typedes***?)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<compassemgroup-2lvl> *Component/Assemble Grouping – **2 Level Maintenance – Maintenance Allocation Chart***

If a list is subdivided into parts, for example by subassemblies, the category element is used. After the category element is entered, the category title and the specific entries are entered.

ELEMENT USED IN: ***<mac-group-2lvl>***

CONTENT MODEL IS: (***compassem***, ***qualify-2lvl***+)

<compchklist> *Component Checklist*

A standard component checklist containing a blank form on which to list all information that is required prior to preshop analysis.

ELEMENT USED IN: ***<compchklistwp>***

CONTENT MODEL IS: (***name***, ***serialno***?, ***daterec***?, ***recfrom***?, ***compname***?, ***nsn***?, (***partno***, ***cageno***)*, ***qty***?, ***qtyrec***?, ***damage***?)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<compchklistwp> *Component Checklist – **Work Package***

The component checklist work package contains the requirements to prepare checklist to support preshop analysis. Depot only.

ELEMENT USED IN: ***<systembreakdown>, and <troubledmwrnmwrcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***intro***, ***compchklist***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<completed_test> *Testing Completed – **Evaluated***

Indicates that testing has been completed, has found the fault, and is a reference or instructions to perform the maintenance action. Additional short corrective action or instruction may be entered.

ELEMENT USED IN: ***<resultwithoutstate>, and <resultwithstate>***

CONTENT MODEL IS: (***%step;***)*

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<compname> *Component Name* – ***Component Checklist***

The element is used to enter the name of component being inspected.

ELEMENT USED IN: ***<compchklist>, and <pmi.pecul-entry>***

CONTENT MODEL IS: (***%text_ent;***)*

<compnt-assem-entry> *Component Assembly Entry* – ***Criteria Inspection for Packaging***

Groups the information for each component assembly contained in the criteria inspection for packaging. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<crit.insp-group>***

CONTENT MODEL IS: (***eqpitem***, ***accpt-rpbl-nonrpbl-entry***+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<component_spares> *Essential components and spare parts* – ***Destruction***
General Information Work Package

When essential components and spare parts require destruction, a statement is developed instructing the destruction requirements.

ELEMENT USED IN: ***<destruct-introwp>***

CONTENT MODEL IS: (***%para0_ent;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<concat> *String Concatenate* – ***String Function***

The return value is a new string which is equal to the first string with the second string concatenated to the end of it.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

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<condition> *System Condition Statement*

The element is used to describe either prerequisite, special environmental or equipment condition statement(s) prior to the work package procedure(s).

ELEMENT USED IN: ***<dataitem>, <defect-group>, <eqpconds-setup-item>, and <specenv-setup-item>***

CONTENT MODEL IS: (***%data;***)*

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<config> *Work Package Configuration Effectivity List* – ***Work Package Identification***

Lists the equipment specific configuration that are effectivity for the work package. If no difference between configurations, the element is not used.

ELEMENT USED IN: ***<wpidinfo>***

CONTENT MODEL IS: (***trim.para***?, ***config-setup-item***+)

<config-setup-item> *Work Package Configuration Effectivity List*
Item – ***Work Package Identification***

The equipment specific configuration that are effective for the work package.

ELEMENT USED IN: ***<config>***

CONTENT MODEL IS: (***name***)

REQUIRED ATTRIBUTE(S)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.

DECLARED VALUE: ID Reference (one or more)

<contententry> *Entry* – ***TOC***

This element allows the creation of a physical table of content and not generated by the style sheet, but could be used for pre-process to fill in the entries. In page-base, the element is equivalent to a "row" element in a table..

ELEMENT USED IN: ***<contents>, and <sub-contententry>***

CONTENT MODEL IS: (***title***, ***link***?, ***sub-contententry***?)

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OPTIONAL ATTRIBUTE(S)

%idrefs; Any of the attributes in the associated attribute set may be used with this element. Refer to idrefs for a complete description.

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<contents> *Table of Contents* – ***TOC***

The table of contents may be generated by the presentation or composition system according to the extraction rules found in the style sheet, manually entered, or pre-process to gather information before applying the stylesheet. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<contents-alt>, <framed.frnt>, <paper.frnt>, <titlepg>, and <volume>***

CONTENT MODEL IS: (***title***, ***col.title***, ***col.title***, ***contententry***+)?

OPTIONAL ATTRIBUTE(S)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.

DECLARED VALUE: ID Reference (one or more)

<contents-alt> *Table of Contents - Alternatives* – ***TOC***

When alternative TOCs are needed for manual with multiple configurations.

ELEMENT USED IN: ***<framed.frnt>***

CONTENT MODEL IS: (***contents***)

<copyrt> *Copyright Statement* – ***General Information***

Information on a copyright credit line might be included as the last paragraph in the general information work package.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<cos> *Cosine* – ***Trigonometry Function***

This element performs the trigonometry function "COS" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<cosh> *Cosine Hyperbolic* – ***Trigonometry Function***

This element performs the trigonometry function "COSH" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<cost> *Cost Considerations Statement* – ***General Information***

A standard statement is included when defining cost considerations. Depot only.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<country> *Country* – ***Address***

Country used in address block.

ELEMENT USED IN: ***<address>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

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<cover> *Covering* – ***Maintenance Task***

A maintenance task for the installation of covers that will protect the equipment from damage or adverse weather conditions.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<coverpage> *Cover Sheet* – ***Component Checklist***

A cover sheet for equipment to be repaired, the modifications required, reason for overhaul or repair, a review of tags and forms, and other maintenance data required by the repair facility. It also includes the name, signature, and date of the person doing the analysis.

ELEMENT USED IN: ***<chklist>***

CONTENT MODEL IS: (***partno***, ***serialno***, ***nsn***, ***modreq***, ***reason***, ***secitem***, ***revtag***, ***revform***, ***name***, ***sig***, ***date***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<cpcdata> *Corrosion Prevention and Control Statement* – ***General Information***

The manner in which a corrosion problem is to be reported is specified.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<crit.insp-group> *Grouping* – ***Critical Inspection for Packaging***

The element groups the equipment and the list of component/assemble for inspecting unpacking. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<crit.insp.tab>***

CONTENT MODEL IS: (***eqpitem***, ***compnt-assem-entry***+)

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OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<crit.insp.tab> *Standard Information* – ***Criteria Inspection for Packaging***

The element provides the criteria for inspecting unpacked components and actions to perform. In page-based, this element functions as the table element.

ELEMENT USED IN: ***%chkeqpstdinfo;***

CONTENT MODEL IS: (***title***, ***crit.insp-group***+)

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<criteria> *Pass/Fail Criteria* – ***Signal Item – Troubleshooting***

This element contains criteria for determining the pass/fail status of a single pass/fail operational check. The attribute to indicate a simple pass or fail with no resulting action, use "pass" or "fail."

ELEMENT USED IN: ***<signal-item>***

CONTENT MODEL IS: (***%text_ent;***)*

REQUIRED ATTRIBUTE(S)

type Criteria to determine passing or failing.
DECLARED VALUE: List (pass | fail)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<crittech> *Critical Technology* – ***Distribution Reason***

Indicates the distribution statement restriction reason as the critical technology and is defined as to protect information and technical data that advance current technology or describe new technology in an area of significant or potentially significant military application or that relate to a specific military deficiency of a potential adversary. Information of this type may be classified or unclassified; when unclassified, it is export-controlled and

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subject to the provisions of DoD Directive 5230.25 (reference (c)). The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***%commondistreason;***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

distreason Distribution reason text for the distribution statement.
DECLARED VALUE: Any character
DEFAULT VALUE = Critical Technology

<csc> *Cosecant* – ***Trigonometry Function***

This element performs the trigonometry function "CSC" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<csch> *Cosecant Hyperbolic* – ***Trigonometry Function***

This element performs the trigonometry function "CSCH" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<csi> *Critical Safety Items (CSI)*

This element lists all the critical safety items required by AMC-R 702-32.

ELEMENT USED IN: ***<csi.wp>, and <supitemwp>***

CONTENT MODEL IS: (***intro***?, (***csi.tab***))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<csi-entry> *Entry* – ***Critical Safety Items***

The element is each critical safety item's information. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<csi.tab>***

CONTENT MODEL IS: (***name***, ***partno***, ***cageno***, ***desc***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<csi.alert> *Alert* – ***Critical Safety Items***

Throughout the maintenance tasks CSI alerts will precede the procedural step that includes a CSI (FSCAP), emphasizing that this part or parts require(s) special handling during maintenance.

ELEMENT USED IN: ***<para0>, <specpara>, <subpara1>, <subpara2>, <subpara3>, <subpara4>, and %alert;***

CONTENT MODEL IS: (***trim.para***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<csi.tab> *Standard Information* – ***Critical Safety Items***

The critical safety items table list all flight safety critical aircraft parts by their nomenclature, part number , CAGEC, and critical characteristic. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<csi>***

CONTENT MODEL IS: (***title***, ***csi-entry***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<csi.wp> *Critical Safety Items* – ***Work Package***

The critical safety items work package contains a tabular listing of all critical safety items.

ELEMENT USED IN: ***<sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***csi***+)

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OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<csireq> *Critical Safety Items Requirement Statement* – ***General Information***

A standard statement is included when defining critical safety item parts.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<ctrlind> *Entry* – ***Controls and Indicators***

The control or indicator name is entered. Using the idref element to link to the control/indicator table for detailed information. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<ctrlindrow>, and %misc;***

CONTENT MODEL IS: (***%data;***)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<ctrlind-val> *Reading On* – ***Controls and Indicators***

Identifies a reading from a control or indicator.

ELEMENT USED IN: ***%misc;***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.
measurement	Measurement unit for the control or indicator.
DECLARED VALUE:	Any character

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<ctrlinddesc> *Description* – ***Controls and Indicators***

A narrative method of providing a description of the controls and indicators for each equipment, assembly, or control panel. References an illustration that shows the controls being described.

ELEMENT USED IN: ***<ctrlindproc>, and <ctrlindwp>***

CONTENT MODEL IS: (***title***, (***subtitle***?, ***note****, ***trim.para***+)+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<ctrlindproc> *Controls and Indicators Procedures*

This element provides information concerning the description and use of the controls and indicators to support the testing and troubleshooting procedures in a technical description work package ***<techdescwp>***. Aviation Troubleshooting Technical Manual only.

ELEMENT USED IN: ***<techdescwp>***

CONTENT MODEL IS: ((***intro***, ***ctrlindtab***+) | (***figure***, ***ctrlinddesc***)+ | (***title***, ***para***))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<ctrlindrow> *Group* – ***Controls and Indicators***

Group a control or indicator detailed information. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<ctrlindtab>***

CONTENT MODEL IS: (***key***, ***ctrlind***, (***note****, ***function***))

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<ctrlindtab> *Standard Information* – ***Controls and Indicators***

Identifies a description of the controls and indicators in standard information; entries may reference an illustration that shows the controls and indicators. There may be more than one standard information

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	in the work package (e.g., each illustration in the work package). In page-based, this element functions as the table element.
ELEMENT USED IN:	***<ctrlindproc>, and <ctrlindwp>***
CONTENT MODEL IS:	(***title***, ***figure***, ***ctrlindrow***, (***figure***?, ***ctrlindrow***)+)
OPTIONAL ATTRIBUTE(S)	
%stdinfoatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<ctrlindwp>	*Description and Use of Controls and Indicators* – ***Work Package***
	The description and use of controls and indicators work package contains the description and use of all system and equipment controls and indicators. The description may be presented in a standard table, as narrative text, or in a list.
ELEMENT USED IN:	***<opim>, <overallsystem>, and <systembreakdown>***
CONTENT MODEL IS:	(***wp.metadata***?, ***wpidinfo***, ***%alert;***, ***geninfo***?, ((***intro***, ***ctrlindtab***+) | (***figure***, ***ctrlinddesc***)+))
OPTIONAL ATTRIBUTE(S)	
%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<d> *Depot Hours* – ***2 Maintenance Level – Maintenance Allocation Chart***

Grouping of the work time for depot maintenance level (D). In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avmaintclass-2lvl>, and <maintclass-2lvl>***

CONTENT MODEL IS: (#PCDATA

<d.statement> *Distribution D Statement* – ***Notice***

This tag contains the DODD 5230.24 specified text for D restriction distribution (Distribution authorized to the Department of Defense and U.S. DoD contractors only) technical manual. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<dist>***

CONTENT MODEL IS: ((***%commondistreason;***), ***reasondate***, ***releaseagent***)

<da2028> *Reporting Errors and Recommending Improvements DA 2028-2* – ***Graphic***

DA Form 2028-2 for reporting errors and recommending equipment improvements appears in the TM rear matter as a blank form and as an example of a filled-in form. Additionally, in a frame-based system automated form can be used to directly transmit the request.

ELEMENT USED IN: ***<dmwr_ammo>, <functionhierarchy>, <rear>, and <systemhierarchy>***

CONTENT MODEL IS: ((***link***, ***proponent***) | ***graphic***)

OPTIONAL ATTRIBUTE(S)

application The DA 2028 application graphic or process used by page only, IETM only or both.

DECLARED VALUE: List (frame | page | both)

DEFAULT VALUE = both

<damage> *Visual Damage Found* – ***Component Checklist***

The element is used for entering the visual damage on the component checklist found on a component .

ELEMENT USED IN: ***<compchklist>***

CONTENT MODEL IS: (***%text_ent;***)*

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<damage-assesswp> *Damage Assessment* – ***Work Package – BDAR***

The work package contains the battle damage assessment that includes an introduction and fault assessment tables. The work packages contains one of the following information types:

End item. The battle damage assessment pertaining to the overall end item or major subsystems and its capability to perform its mission essential functions.

Major functional group. The battle damage assessment pertaining information by major functional groups applicable to the equipment/system covered by the manual.

Auxiliary Equipment. The battle damage assessment pertaining for auxiliary equipment.

ELEMENT USED IN: ***<baim>, and <bim>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, (***table*** | ***figure*** | ***logicproc***)+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<dataitem> *Data Items* – ***Signal Item – Troubleshooting***

This element contains data items for a particular pass/fail operational check; specific data items are contained in child elements denoting the data type, such as memory location, appropriate data, or normal responses.

ELEMENT USED IN: ***<signal-item>***

CONTENT MODEL IS: (***memloc***, ***memdata***, ***condition***, ***sigfunc***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<date> *Date*

The element is used to enter a calendar date.

ELEMENT USED IN: ***<change.history>, <coverpage>, <frntcover>, <frntcover_abbreviated>, <pmi.pecul-row>, <titleblk>, %taskatt;, and %wpatt;***

CONTENT MODEL IS: (#PCDATA

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REQUIRED ATTRIBUTE(S)

julian — Specify the date in the following format yyyymmdd. Used for sorting or reformatting/verifying the content model.
DECLARED VALUE: Any character

<date-time_stamp> — *Record Date and Time Stamp* – ***Expression***

When the element is encountered, in an IETM, the system will record or stamp the date and/or time of the action.

ELEMENT USED IN: ***<statemanipulation>***
CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

date-time — Specify what the date-time stamp records.
DECLARED VALUE: List (date | time | date-time)

<daterec> — *Date Received* – ***Component Checklist***

The element is used to enter the component date received on the component checklist.

ELEMENT USED IN: ***<compchklist>***
CONTENT MODEL IS: (#PCDATA

<dcpno> — *Description, CAGEC and Part Number* – ***Supporting Information***

This element contains the name/nomenclature, additional information or description, CAGE code, part number, and the usable on code (UOC).

ELEMENT USED IN: ***<aal-entry>, <bii-entry>, <bii-opt-entry>, <coei-entry>, and <coei-opt-entry>***
CONTENT MODEL IS: (***name***, ***desc***?, ((***partno***, ***cageno***), ***uoc***+)+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; — Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<decalinfo> — *Decal Information* – ***Stowage***

Contains illustrations detailing the locations of all decals and data plates in and on the equipment.

ELEMENT USED IN: ***<stowagewp>***
CONTENT MODEL IS: (***title***, ***%mixparagraph;***, ***figure***+)

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OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<decon>
Decontamination – ***Operator Task***

Interim Nuclear, Biological, Chemical (NBC)

An unusual conditions operational task containing procedures for interim nuclear, biological and chemical (NBC) decontamination; used for NBC decontamination of equipment when a normal decontamination facility is not available.

ELEMENT USED IN: ***<opunutsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<def>

Definition

Identifies a term's definition.

ELEMENT USED IN: ***<legend.item>, and <term.def>***

CONTENT MODEL IS: (***para***)

<default>

Fill-In Default Value – ***Dialog Box***

The element provides a fixed default value or uses the state (variable) information value as the default value.

ELEMENT USED IN: ***<fillin>***

CONTENT MODEL IS: (***expression*** | ***text*** | ***variableref***)

<defect-group>

Defect Condition – ***Classification of Material Defects***

The element groups the classification of material defect by the various conditions. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<defect-row>***

CONTENT MODEL IS: (***condition***, (***%localref;*** | ***actionreq***), ***insp-method***, ***acceptqual***)

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OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<defect-row> *Defect Type Group* – ***Classification of Material Defects***

The element contains the defect type (Critical, Major, and Minor) that has one or more defect conditions information.

ELEMENT USED IN: ***<defect.tab>***

CONTENT MODEL IS: (***defecttype***, ***defect-group***+)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<defect.tab> *Standard Information* – ***Classification of Material Defects***

The element contains the content the instructions for inspection methods or techniques used to detect defective components or end items being processed. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<inspect>***

CONTENT MODEL IS: (***title***, ***defect-row***+)

OPTIONAL ATTRIBUTE(S)

%stdinfoatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<defecttype> *Type of Defect* – ***Classification of Material Defects***

The element groups the defect classification for the material as defined in attribute value. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<defect-row>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

type	The defect severity classification as minor, major, or critical.
DECLARED VALUE:	List (critical | major | minor)

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<defined> *Is Variable Defined* – ***Boolean – Evaluation***

Evaluates if state (variable) information exists and does not have a NIL value. If state (variable) information exists returns "True", otherwise returns a "False".

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: EMPTY

<definitions> *Definitions* – ***Quality Assurance***

The element is the quality assurance list of terms and definitions.

ELEMENT USED IN: ***<dmwr_qarwp>, and <qawp>***

CONTENT MODEL IS: (***title***, (***para***+ | ***term.def***+))

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<deflist> *Definition* – ***List***

Identifies a list of terms and definitions; the term can enclose a word, phrase, abbreviation, or symbol. Optional list title and column title for the term and definition are available.

ELEMENT USED IN: ***<glossary>, and %list;***

CONTENT MODEL IS: (***title***?, ***title.term.def***?, ***term.def***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<degraded> *Degraded Condition* – ***Operator Task***

The task for temporarily adapting the equipment when a component or part of the equipment has failed or a power reduction or some similar condition exists and continued operation of the equipment is required.

ELEMENT USED IN: ***<opunutsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<demil_qar> *Demilitarized Ammunition – **Quality Acceptance Requirements***

The quality acceptance requirements for ammunition subject to demilitarization shall address the QA plan, inspection, and random sampling of salvaged materiel.

ELEMENT USED IN: ***<dmwr_qarwp>***

CONTENT MODEL IS: (***para0***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<depotcategory> *Depot – **Information Category – Maintenance***

This element contains the requirements for depot level maintenance work packages.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: ((***lubewp*** | ***maintwp*** | ***gen.maintwp***)+, ***facilwp***?, ***oipwp****, ***mobilwp***?, ***qawp***, (***manu_items_introwp***, ***manuwp***+)?, ***torquewp***?, (***inventorywp***?, ***storagewp****, ***wtloadwp***+)?, ***wiringwp****)

<desc> *Description*

The element is the item description.

ELEMENT USED IN: ***<csi-entry>, <dcpno>, <diagnostic>, <expdur-entry>, <oipitem>, <pi.item>, and <revisionsummary>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<descproc> *Equipment Description and Data*

This element contains information from the Equipment Description and Data Work Package required to support the testing and troubleshooting procedures in a technical description work package. Aviation Troubleshooting Technical Manual only.

ELEMENT USED IN: ***<techdescwp>***

CONTENT MODEL IS: (***eqpinfo***+, ***locdesc****, ***eqpdiff***?, ***eqpdata***?)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<descwp> *Equipment Description and Data* – ***Work Package***

Descriptive data requirements are entered in the equipment description and data work package. There may be more than one equipment description and data work package in the General Information Chapter.

ELEMENT USED IN: ***<gim>, <overallsystem>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***eqpinfo***+, ***locdesc****, ***eqpdiff***?, ***eqpdata***)

OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<destr> *Destruction of the Manual* – ***Notice***

A standard notice concerning destruction of the manual; it is provided by the contracting activity and appears on the front cover.

ELEMENT USED IN: ***<notices>***

CONTENT MODEL IS: (***para***?)

<destruct-introwp> *Destruction Introduction Information* – ***Work Package***

The work package contains destruction introduction such as authority to destroy material, reporting destruction, general destruction information, degree of destruction, and essential components and spare parts.

ELEMENT USED IN: ***<destruction_manual>, and <dim>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***authorize_to_destroy***, ***report_destruct***, ***general_destruct_info***, ***component_spares***?)

OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<destruct-materialwp> *Destruction Procedures* – ***Work Package***

The specific destruction procedures to prevent enemy usage.

ELEMENT USED IN: ***<destruction_manual>, and <dim>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***essential_spares***?, ***proc***)

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OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<destruction_manual> *Destruction of Army Materiel to Prevent Enemy Use – **Manual***

The destruction TM contains generic and specific destruction procedures to destroy equipment to prevent enemy usage.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***paper.frnt***, ***ginfowp***, ***destruct-introwp***, ***destruct-materialwp***+, ***rear***)

REQUIRED ATTRIBUTE(S)

revno External document revision number.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Specifies the technical manual publication number
DECLARED VALUE: Any character

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<destructmat> *Destruction of Materiel Statement – **General Information***

A standard paragraph on destroying materiel to prevent enemy use.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<deviation> *Deviations and Exceptions Statement – **General Information***

The method for requesting any deviations and/or exceptions to a DMWR/NMWR is entered. Depot only.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<diagnostic> *Test Equipment Readings – **Diagnostic***

The element sends and/or receives from the test equipment or on-board sensors results from the testing. A brief description of the test is provided and may be shown for information to the user. Parameter(s) may be sent to the testing equipment and the results are return to state (variable) information(s) (in sequential order) for evaluation.

ELEMENT USED IN: ***<diagnostic_group>***

CONTENT MODEL IS: (***desc***, ***sendparameter****, ***receiveparameter****)

REQUIRED ATTRIBUTE(S)

testname Test name or number to run.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

protocol Specify the interface or protocol to communicate with the test equipment or on-board sensors.
DECLARED VALUE: Any character

mfr Manufacturer name or code.
DECLARED VALUE: Any character

model Model number.
DECLARED VALUE: Any character

application External software application to interface the IETM with the test equipment or on-board sensors.
DECLARED VALUE: Pointer

<diagnostic_group> *Test Equipment Readings Group – **Diagnostic***

Conducts sequentially one or more diagnostic tests. Common parameter(s) may be defined and sent prior to the test(s).

ELEMENT USED IN: ***<loopaction>, and %diagnostic-test_ent;***

CONTENT MODEL IS: (***message***?, (***sendparameter****, ***diagnostic***)+)

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REQUIRED ATTRIBUTE(S)

action — When element is encountered in the IETM, should the test series(s) be conducted immediately (no human intervention) or start after acknowledging the prompt.
DECLARED VALUE: List (prompt | immediate)

<diagnostic_initial> — *Initializing Test Equipment – **Diagnostic***

Initialize test equipment before conduct diagnostic tests on the equipment. Check the returned value to determine if test equipment initialized correctly. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<diagnostic_initial-alt>, and %diagnostic-test_ent;***

CONTENT MODEL IS: (***precond***?, ***message***?, ***sendparameter****, ***receiveparameter****, (***%statemanipulation_ent;***)*)

REQUIRED ATTRIBUTE(S)

action — Perform the initialization with by prompting before execution or immediately execute.
DECLARED VALUE: List (prompt | immediate)

OPTIONAL ATTRIBUTE(S)

mfr — Manufacturer name or code.
DECLARED VALUE: Any character

model — Model number.
DECLARED VALUE: Any character

application — External software application to interface the IETM with the test equipment or on-board sensors.
DECLARED VALUE: Pointer

protocol — Specify the interface or protocol to communicate with the test equipment or on-board sensors.
DECLARED VALUE: Any character

%applidatt; — Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<diagnostic_initial-alt> — *Conditional Initializing Test Equipment – **Diagnostic***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***%diagnostic-test_ent;***

CONTENT MODEL IS: (***diagnostic_initial***+)

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OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<diagnosticwp> *Diagnostic – **Work Package***

The diagnostic procedures are designed for frame-based IETMs. The diagnostic procedures can use either with or without using state (variable) information. The diagnostic work package is an interactive work package either through the user or the system. When using conditional testing, zero or one conditional test can be evaluated for execution. The diagnostic work package is designed to conduct a single test node then either take corrective action or proceed to the next test node or diagnostic work package.

ELEMENT USED IN: ***<systembreakdown>, <troubleaviationcategory>, <troublecategory>, and <troubledmwrnmwrcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***%wpsetup;***, ***%tsdata;***, (((***%statemanipulation_ent;***)*, (***testwithstate*** | ***testwithstate-alt***)+) | ***testwithoutstate***))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<dialog> *Dialog Box*

This element defines a "Dialog" which provides the capability for user interaction. A "Dialog" could contain a "Fill-in", a "Menu", a "Binary Menu", or any combination of the three. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<button>, <choice>, <dialog-alt>, and %dialog_ent;***

CONTENT MODEL IS: (***precond***?, ***title***?, (***fillin*** | ***menu*** | ***binarymenu*** | ***dialog-group*** | ***dialog-message***)+, ***help.info***?, (***%statemanipulation_ent;***)*)

OPTIONAL ATTRIBUTE(S)

popup Should it be displayed as a separate popup window or inline with the text.

DECLARED VALUE: "yes" or "no"

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%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
cancel_button	Is the cancel button displayed?
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	yes
reset_button	Is the reset button displayed?
DECLARED VALUE:	"yes" or "no"

<dialog-alt> *Conditional* – ***Dialog Box***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***%dialog_ent;***

CONTENT MODEL IS: (***dialog***+)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
name	Brief description of the precondition.
DECLARED VALUE:	Any character

<dialog-group> *Grouping* – ***Dialog Box***

Groups dialog components (i.e., fill-in, menu, etc.) and aligns the components horizontally.

ELEMENT USED IN: ***<dialog>, and <dialog-group>***

CONTENT MODEL IS: (***precond***?, ***enable***?, ***title***?, (***fillin*** | ***menu*** | ***binarymenu*** | ***dialog-message*** | ***dialog-group***)+)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
separator	Are the dialog component group show separator (i.e., horizontal line, boxed, etc.)?
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	no

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<dialog-message> *Message* – ***Dialog Box***

Provides a means to provide additional information or instructions in a dialog box.

ELEMENT USED IN: ***<dialog>, and <dialog-group>***

CONTENT MODEL IS: (***precond***?, ***messageline***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<dim> *Destruction Of Army Materiel To Prevent Enemy Use* – ***Information Chapter***

The element contains the generic information and/or specific procedures regarding the destruction of Army materiel to prevent enemy use.

ELEMENT USED IN: ***<ammo>, <functionhierarchy>, <paper.manual>, and <systemhierarchy>***

CONTENT MODEL IS: (***titlepg***, ***destruct-introwp***, ***destruct-materialwp***+)

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<disassem> *Disassembly* – ***Maintenance Task***

A maintenance task containing disassembly procedures for an assembly, subassembly or component to the extent specified by the MAC and SMR.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<disconnect> *Disconnection Procedures* – ***Test Set – Troubleshooting***

The element is the test set disconnection procedure reference.

ELEMENT USED IN: ***<disconnect-alt>, <opcheck-tswp>, <opcheckwp>, <testwithoutstate>, <tswp>, and %disconnect_ent;***

CONTENT MODEL IS: (***precond***?, ***para***)

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OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<disconnect-alt> *Conditional Disconnection Procedure* – ***Test Set – Troubleshooting***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***%disconnect_ent;***

CONTENT MODEL IS: (***disconnect***+)

OPTIONAL ATTRIBUTE(S)

id	Unique identifier to reference the conditional test set disconnection procedure.
DECLARED VALUE:	ID

<disposition> *Disposition* – ***DMWR Ammunition Introduction***

Disposition guidelines for serviceable and unserviceable components and materials is included as a part of each operation description and addresses the removal of hazardous materials or components and inspection of salvaged materials prior to transfer to Defense Reutilization Marketing Office (DRMO). Reference may be made to publications for information on packing, marking, and shipping generated assemblies, components, and materials.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<dist> *Distribution Statement* – ***Notice***

A standard distribution notice; it is provided by the contracting activity and appears on the front cover and title block page

ELEMENT USED IN: ***<notices>***

CONTENT MODEL IS: (***a.statement*** | ***b.statement*** | ***c.statement*** | ***d.statement*** | ***e.statement*** | ***f.statement*** | ***x.statement***)

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<divide> *Division – **Mathematical Function***

Return the value of the first number divided by the second number.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<dmwr_ammo> *DMWR Maintenance or Demilitarization of Ammunition Procedures*

The preparation of DMWRs for the maintenance or demilitarization of conventional and chemical ammunition.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: ((***paper.frnt*** | ***framed.frnt***), ***ginfowp***, ***dmwr_introwp***, ***dmwr_operationalreqwp***+, ***dmwr_qarwp***+, ***refwp***, ***explistwp***, ***facilwp***, ***genwp***+, (***da2028*** | ***rear***))

OPTIONAL ATTRIBUTE(S)

chnglevel This is the current change level for the DMWR
DECLARED VALUE: Any character

chngdate This is the change date for the current change.
DECLARED VALUE: Any character

<dmwr_introwp> *DMWR Introduction – **Work Package***

All specific the maintenance or demilitarization of conventional and chemical ammunition for DMWRs general information, reference statements and standard statements are contained within this work package

ELEMENT USED IN: ***<dmwr_ammo>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***work_planning***, ***disposition***, ***equipment***, ***sfty_req***, ***gen_hazards***, ***spec_hazards***, ***haz_analysis***, ***erc***, ***rcrr***, ***resource_recovery***, ***reporting_req***, ***tabdata***, ***flowchart****)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<dmwr_operationalreqwp> *Demilitarization Operational Requirements – **Work Package***

The work package is developed to meet operational requirements for each operation.

ELEMENT USED IN: ***<dmwr_ammo>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***special_sfty***, ***op_steps***, ***flowchart****)

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OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<dmwr_qarwp> *Quality Acceptance Requirements* – ***Work Package***

The quality acceptance requirements work package contain either the QA requirements for demilitarization or maintenance of ammunition, but will not contain information for both. The quality acceptance requirements work package shall address the quality acceptance requirements for the DMWR.

ELEMENT USED IN: ***<dmwr_ammo>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, (***demil_qar*** | ***maintenance_qar***), ***definitions***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<dodac> *Department of Defense Ammunition Code*

The element is the Department of Defense Ammunition Code that identifies an ammunition type.

ELEMENT USED IN: ***%misc;***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

scheme This specifies the format of the element and is a fixed value.
DECLARED VALUE: Any character

<double-bound> *Fill-in Low and High Number Range* – ***Dialog Box***

Sets the fill-in entry's lowest and highest entered numerical (integer or real) values.

ELEMENT USED IN: ***<numrange>***

CONTENT MODEL IS: (***low-bound***, ***high-bound***)

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<dwgname> *Drawing Name* – ***Initial Setup***

The drawing title box name required to properly perform the task(s) within a work package.

ELEMENT USED IN: ***<dwgreq-setup-item>***

CONTENT MODEL IS: (***%format;*** | ***%linkref;***)*

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<dwgno> *Drawing Number*

The element defines the required drawing identification number.

ELEMENT USED IN: ***<dwgreq-setup-item>, and <partdesc>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<dwgreq> *Drawings Required* – ***Initial Setup***

An element of the work package setup information that lists drawings required to perform the tasks within the work package, but which are not included in the work package.

ELEMENT USED IN: ***<initial_setup>, and %optspecenv;***

CONTENT MODEL IS: (***dwgreq-setup-item***+)

<dwgreq-setup-item> *Drawings Required Setup Item* – ***Initial Setup***

An element that wraps the each item in the drawings required initial setup.

ELEMENT USED IN: ***<dwgreq>***

CONTENT MODEL IS: (***dwgname***, ***dwgno***)

OPTIONAL ATTRIBUTE(S)

%setupatt; Any of the attributes in the associated attribute set may be used with this element. Refer to setupatt for a complete description.

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<e.statement> *Distribution E Statement – **Notice***

This tag contains the DODD 5230.24 specified text for E restriction distribution (Distribution authorized to DoD Components only) technical manual. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<dist>***

CONTENT MODEL IS: ((***%commondistreason;*** | ***proprietary*** | ***testeval*** | ***cntrctperform*** | ***premature*** | ***milsprt***), ***reasondate***, ***releaseagent***)

<ecm> *Jamming and Electronic Countermeasure – **Operator Task***

An unusual conditions operational task containing countermeasure procedures for operation of equipment in an ECM environment through transmitted and reflected deception signals and jamming.

ELEMENT USED IN: ***<opunutsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<ecp> *Engineering Change Proposals Statement – **General Information***

The method for submitting an engineering change proposal is entered. Depot only.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

mwo Identifies if Modification Work Order (MWO) are incorporated into the work required for the DMWR/NMWR.

DECLARED VALUE: "yes" or "no"

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<eic> *End-Item Code*

The assigned end-item code of the equipment covered by the TM; if available, appears as part of the prime title on the front cover and title block page.

ELEMENT USED IN: ***<sysnomen>***

CONTENT MODEL IS: (#PCDATA

<eir> *Reporting Errors and Recommending Improvement Statement* – ***General Information***

A statement is included on how to report an equipment improvement recommendation.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

service Service using the statement.
DECLARED VALUE: List (multi | army | marines)

DEFAULT VALUE = army

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<else> *Else State Result* – ***IF – Evaluation***

Final condition from the If evaluation, and perform the resulting action.

ELEMENT USED IN: ***<if>***

CONTENT MODEL IS: ((***resultwithstate***, ***evaluate***?) | ***evaluate***)

<elseif> *Else-If State Result* – ***IF – Evaluation***

If the THEN or previous ELSE-IF condition(s) have failed, then evaluate the condition if valid. Used when multiple conditions are possible for a state (variable) information (i.e., error code).

ELEMENT USED IN: ***<if>***

CONTENT MODEL IS: (***expression***, ***then***)

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<email> *Electronic Mail – **Address***

Electronic mail address.

ELEMENT USED IN: ***<internet>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

address Electronic mail address.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<emergency> *Emergency – **Operator Task***

The task for the operating emergency conditions (control failure, air failure, lube oil failure, loss of cooling water, etc.) and/or equipment shutdown during an emergency (fire, water, smoke, hazard to personnel, loss of coolant, normal power, etc.).

ELEMENT USED IN: ***<emergencywp>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<emergencywp> *Emergency – **Work Package***

Work package for emergency procedures using, but not limited to, the operating and equipment shutdown. In paper manuals this work package paper edges have bleeding symbols.

ELEMENT USED IN: ***<opim>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***emergency***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<emphasis> *Emphasis*

The scope and style of emphasized information is indicated by enclosing the material with a start and end tags. Emphasis element should be used only in situations where the emphasized material is embedded in plain text or where an exception from the usual style of the element specified in the style sheet is needed. Emphasis elements can be nested to specify combinatory styles, such as underlined bold italic.

ELEMENT USED IN: ***%format;***

CONTENT MODEL IS: (***%text_ent;***)*

REQUIRED ATTRIBUTE(S)

emph Chose from the list of possible emphasis characteristics.
DECLARED VALUE: List (caps | bold | italic | bolditalic | uline | strikeout | 2line | smallcaps | overline | reverse)

OPTIONAL ATTRIBUTE(S)

color Color that is used as a means of emphasis.
DECLARED VALUE: Any character

<empty> *Is Value Assign* – ***Boolean Function***

If a state (variable) information has been a value. Returns "True" if value was assigned, otherwise returns "False".

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: EMPTY

<enable> *Component Enabled* – ***Dialog Box***

Evaluates the expression or variable to determine if the associated dialog component is enabled or disabled (grayed out and inactived).

ELEMENT USED IN: ***<binarymenu>, <choice>, <dialog-group>, <fillin>, and <menu>***

CONTENT MODEL IS: (***expression***)

<endblock> *End Block* – ***Logic Tree – Troubleshooting***

An end block concludes a path in a logical procedural table/diagram. Based on the indicators or conditions from the test procedure, the malfunction will be identified and resolved with corrective action.

ELEMENT USED IN: ***<logicproc>***

CONTENT MODEL IS: (***malfunc***, ***action***)

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REQUIRED ATTRIBUTE(S)

type Specifies the logical value associated with the current element. This value may be displayed in either paper or electronic display.
DECLARED VALUE: List (yes, no, pass, fail, true, nottrue)

branch Specifies the unique identifier of the current branch.
DECLARED VALUE: ID

branchfrom References the identifiers of the branch or branches from which the current branch has descended.
DECLARED VALUE: ID Reference

OPTIONAL ATTRIBUTE(S)

branchlabel Supplies an explicit numeric or alphanumeric identifier of the origin.
DECLARED VALUE: Any character

<endcondition> *Looping End Criteria – **Loop – Evaluation***

Specify the condition that stops the looping function. The ending criteria is used as a while loop or until loop. Caution needs to be taken to insure against infinite looping by making an ending condition (i.e., count number of times).

ELEMENT USED IN: ***<loop>, and <loopfor>***

CONTENT MODEL IS: (***expression***)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

<entry> *Entry – **CALS Table***

Specifies an entry in a table. The intersection of row location and column location as specified through the entry element locate a table cell, including spanning cells. Default values come from the table ***<table>***, table group ***<tgroup>***, column specification ***<colspec>***, table head ***<thead>***, table body ***<tbody>***, or row ***<row>*** attribute list

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values for like-named attributes. A spanning entry not specified by a spanspec gets its defaults from its starting column.

ELEMENT USED IN: *<row>*

CONTENT MODEL IS: (*%text_ent;* | *%list;* | *trim.para* | *graphic* | *step1* | *step1-alt* | *figure* | *proc* | *note* | *brk*)*

OPTIONAL ATTRIBUTE(S)

align
Specifies the horizontal alignment of content within the entry.
DECLARED VALUE: List (left (flush left), center (centered), right (flush right), justify (both flush left and flush right), or char (align on leftmost of a specified character, positioned in column by charoff attribute).)

char
For align="char," the value is the single alignment character around which the entry is aligned; the first occurrence of the character is used as the alignment point. Entries not containing this character are aligned to the left of this position.
DECLARED VALUE: Any character

charoff
For align="char," horizontal character offset is the percent of the current column width to the left of the (left edge of the) alignment character.
DECLARED VALUE: Any character

colname
Specifies name of column. Omit if spanname is present.
DECLARED VALUE: Name Token

colsep
If one, display the internal column vertical ruling to the right of each item; if zero, do not display it. Ignored for the last column, where the frame setting applies.
DECLARED VALUE: List (0 | 1)

morerows
Specifies number of additional rows covered by a vertical straddle.
DECLARED VALUE: Any character

DEFAULT VALUE = 0

nameend
Specifies name of the right most column of span. Names are identified in *<colspec>* of the current *<tgroup>*.
DECLARED VALUE: Name Token

namest
Specifies name of the left most column of span; can be used in combination with "nameend" as an alternative to "spanname." Names are identified in *<colspec>* of the current *<tgroup>*.
DECLARED VALUE: Name Token

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rotate	Rotations are not additive to those specified in style sheet. Content is either in the orientation of the table (value is zero) or 90 degrees counter clockwise to table orientation (value is one).
DECLARED VALUE:	List (0 | 1)
DEFAULT VALUE =	0
rowsep	If one, display the internal horizontal row ruling below the entry. If one, do not display it. Ignored for the last row of the table, since overridden by the frame setting.
DECLARED VALUE:	List (0 | 1)
valign	Specifies the vertical alignment of content within the entry.
DECLARED VALUE:	List (top, middle (vertically centered), bottom)
DEFAULT VALUE =	top
%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<eq>	*Equal* – ***Boolean – Evaluation***
	If both operands are the same value-type and equal to each other then the evaluation returns a "True" value. If the operands are of different types or not equal to each other, the evaluation returns a "False" value.
ELEMENT USED IN:	***%binop;***
CONTENT MODEL IS:	EMPTY

<eqp_id>	*Equipment Unique Identifier* – ***System Effectivity***
	For effectivity identification specify the equipment unique identifier (i.e., VIN, tail number).
ELEMENT USED IN:	***<range>, <set>, and <single>***
CONTENT MODEL IS:	(#PCDATA

<eqpconds>	*Equipment Conditions* – ***Initial Setup***
	A work package setup information element that lists the equipment condition prior to beginning the current work package task(s).
ELEMENT USED IN:	***<initial_setup>, and %optref;***
CONTENT MODEL IS:	(***eqpconds-setup-item*** | ***eqpconds-setup-item-alt***)+

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<eqpconds-setup-item> *Equipment Conditions Setup Item* – ***Initial Setup***

The element lists each initial setup equipment condition item. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<eqpconds>, and <eqpconds-setup-item-alt>***

CONTENT MODEL IS: (***precond***?, ***condition***, ***itemref***?)

OPTIONAL ATTRIBUTE(S)

%setupatt; Any of the attributes in the associated attribute set may be used with this element. Refer to setupatt for a complete description.

<eqpconds-setup-item-alt> *Conditional Equipment Conditions Setup Item* – ***Initial Setup***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<eqpconds>***

CONTENT MODEL IS: (***eqpconds-setup-item***+)

<eqpdata> *Equipment Data* – ***Equipment Description and Data***

Descriptive data, which contains a listing of the major characteristics, dimensions, capabilities and limitations, and other critical data of the equipment that must be defined for the equipment user.

ELEMENT USED IN: ***<descproc>, and <descwp>***

CONTENT MODEL IS: (***title***?, ***figure****, ***%mixparagraph;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<eqpdesc> *Equipment Description* – ***Equipment Description and Data***

Contains the general capabilities and special unique features, as well as other similar information, that will be helpful in the operation and maintenance of equipment.

ELEMENT USED IN: ***<eqpinfo>***

CONTENT MODEL IS: (***title***?, ***figure****, ***%mixparagraph;***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<eqpdiff> *Differences Between Models* – ***Equipment Description and Data***

Descriptive data containing the significant differences between models or components.

ELEMENT USED IN: ***<descproc>, and <descwp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<eqpinfo> *Equipment Characteristics, Capabilities, and Features* – ***Equipment Description and Data***

The element defines the descriptive data that contains the overall equipment description.

ELEMENT USED IN: ***<descproc>, and <descwp>***

CONTENT MODEL IS: (***title***, ***eqpdesc***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<eqpitem> *Inspection Criteria for Equipment* – ***Unpacked Equipment – Maintenance Task***

The equipment item, in service upon receipt checked unpacked equipment procedure, to be inspected. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<compnt-assem-entry>, <crit.insp-group>, and <pecul.insp-entry>***

CONTENT MODEL IS: (***%data;***)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<eqploadwp> *On-Vehicle Equipment Loading Plan* – ***Work Package***

The on-vehicle equipment loading plan work package contains a loading plan that must be prepared by the contracting activity.

ELEMENT USED IN: ***<opim>, <systembreakdown>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, ***loaddesc***+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<eqpnotavail> *Equipment Not Ready/Available* – ***PMCS***

The PMCS equipment not ready/available defines the condition of the equipment (shortages, malfunctions, etc.) that will make equipment not ready or available for use. This element is aligned with the PMCS procedure step or paragraph that the equipment not ready/available is applicable. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<pmcspara>, <pmcsstep1>, <pmcsstep2>, <pmcsstep3>, and <pmcsstep4>***

CONTENT MODEL IS: (***trim.para***+)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<equipment> *Equipment* – ***DMWR Ammunition Introduction***

DMWR ammunition introduction information about the equipment.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<erc> *Environmental Regulation Compliance* – ***DMWR Ammunition Introduction***

Environmental regulations implemented by federal, state, and local governments is addressed.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<essential_spares> *Essential components and spare parts* – ***Destruction***

Identifies essential components and spare parts whose destruction will incapacitate the weapon system.

ELEMENT USED IN: ***<destruct-materialwp>***

CONTENT MODEL IS: (***%para0_ent;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<evaluate> *Evaluation*

Performs a evaluation on the state (variable) information to determine the next course of action. The three evaluation functions are "If-Then-ElseIf-Else", "For Loop", and "Conditional Loop".

ELEMENT USED IN: ***<else>, <testwithstate>, and <then>***

CONTENT MODEL IS: (***if*** | ***loopfor*** | ***loop***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<exp> *Exponential* – ***Mathematical Function***

The element represents the exponential function associated with the inverse logarithm function.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<expdur-category> *Category* – ***Expendable and Durable Items List***

If a list is subdivided into parts, for example by subassemblies, the category element is used. After the category element is entered, the category title and the specific entries are entered.

ELEMENT USED IN: ***<explist>***

CONTENT MODEL IS: (***title***, ***expdur-entry***+)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<expdur-entry> *Entry* – ***Expendable and Durable Items List***

The element is the expendable and durable items list entries. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<expdur-category>, and <explist>***

CONTENT MODEL IS: (***itemno***, ***maintenance***, ***nsn***, ***name***, ***desc***, ***partno***, ***cageno***, ***ui***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<explist> *Standard Information* – ***Expendable and Durable Items List***

The element contains the expendable and durable items listed in alphabetical order by item name and have been approved for inclusion. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<explistwp>, and <supitemwp>***

CONTENT MODEL IS: (***title***, (***expdur-category***+ | ***expdur-entry***+))

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<explistwp> *Expendable and Durable Items List* – ***Work Package***

The expendable and durable items list work package contains a listing of all expendable and durable items required to operate and/or maintain the equipment.

ELEMENT USED IN: ***<bdarcategory>, <dmwr_ammo>, <sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, (***explist*** | ***para***))

OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<exponent> *Exponent* – ***Mathematical Function***

Returns the first number raised to the power of the second number. The return value is a real number unless the first and second number are integers.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<export> *Export Control* – ***Notice***

An export control notice it is provided by the contracting activity. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<notices>***

CONTENT MODEL IS: EMPTY

<expression> *Expression* – ***Evaluation***

Defines an equation or expression to evaluate either to a state (variable) information or precondition (requires boolean results).

ELEMENT USED IN: ***<default>, <elseif>, <enable>, <endcondition>, <high-bound>, <if>, <increment>, <initialize>, <low-bound>, <precond>, <statemanipulation>, <validate>, and %variable_ent;***

CONTENT MODEL IS: (((***%variable_ent;***), ((***%binop;***), (***%variable_ent;***))?) | ((***%unop;*** | ***%trigop;***), (***%variable_ent;***)))

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

print-form The expression in form to be displayed.
DECLARED VALUE: Any character

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<extconn> *Circuit Alignment External Connections* – ***Maintenance Task***

Instructions for making all external connections within the circuit alignment procedures.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<extpwr> *External Power* – ***Maintenance Task***

A maintenance task containing procedures for connecting electrical power to the equipment.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<extref> *External Reference* – ***Linkage***

A reference to external document, information chapter (when handling partial manuals), work package (when handling partial manuals), or other external source. Note that the attributes of this element contain the content to be displayed and that none of the identifiers is an XML IDREF since the references are external to the document.

ELEMENT USED IN: ***<material-list>, %extref_ent;, and %linkref;***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

docno External document publication number.
DECLARED VALUE: Any character

revno External document revision number.
DECLARED VALUE: Any character

pretext Text prior to any publication information is published.
DECLARED VALUE: Any character

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posttext	Text after any publication information is published.
DECLARED VALUE:	Any character
wpid	External document WP reference.
DECLARED VALUE:	Any character
taskid	External document task reference.
DECLARED VALUE:	Any character
figid	External document figure reference.
DECLARED VALUE:	Any character
tabid	External document table reference.
DECLARED VALUE:	Any character
partid	External document part reference.
DECLARED VALUE:	Any character
%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

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<f> *Field/ASB Hours – **2 Maintenance Level – Maintenance Allocation Chart***

Grouping of the work time for field or ASB (aviation only) maintenance level (F). In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avmaintclass-2lvl>, and <maintclass-2lvl>***

CONTENT MODEL IS: (#PCDATA

<f.statement> *Distribution F Statement – **Notice***

This tag contains the DODD 5230.24 specified text for F restriction distribution (Further dissemination only as directed by controlling DoD office or higher DoD authority) technical manual. The identified reason will generate text. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<dist>***

CONTENT MODEL IS: (***releaseagent***, ***reasondate***)

<facilwp> *Facilities – **Work Package***

The facilities work package contains a description of all facilities, such as test stands, test tracks, clean rooms, shielded rooms, or other facilities that are required to do the maintenance work. Depot only.

ELEMENT USED IN: ***<depotcategory>, <dmwr_ammo>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, (***%para0_ent;***)+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<factorial> *Factorial – **Mathematical Function***

Performs the factorial function. If integer value or state (variable) information is not used an error is generated.

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: EMPTY

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<false> *False* – ***Boolean Value***

Boolean value of false.

ELEMENT USED IN: ***<boolean>***

CONTENT MODEL IS: EMPTY

<fault> *Fault Conditions* – ***Value Type***

The element provides narrative for OK, Possible Fault, and Known (Bad) Fault. The attribute contains the associated fault code.

ELEMENT USED IN: ***<initialize>, <resultwithoutstate>, <resultwithstate>, <state-manipulation>, and %value;***

CONTENT MODEL IS: (***oktext***, ***badtext***, ***possibletext***)?

REQUIRED ATTRIBUTE(S)

fault-code Identifies the associated fault code.
DECLARED VALUE: Any character

fault-state The current state of the test fault code is known OK, possible, or bad.
DECLARED VALUE: List (ok | possible | bad)

OPTIONAL ATTRIBUTE(S)

fault-ref Reference to fault information.
DECLARED VALUE: ID Reference

weight Initial weight factor to determine the fault probability.
DECLARED VALUE: Any character

dependency Dependencies that may effect the fault probability.
DECLARED VALUE: Any character

test **********
DECLARED VALUE: Any character

<faultcode> *Fault Code* – ***Fault Report – Troubleshooting***

The element identifies a set of fault codes. The element represents the row in a page-based or group in a frame-based in the faultcode reference index.

ELEMENT USED IN: ***<faultreports>***

CONTENT MODEL IS: (***messageword***, (***action*** | ***%localref;***), ***follow-on***?)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<faultproc> *Fault Procedure* – ***Troubleshooting***

The element is used for troubleshooting procedures consisting of an all inclusive series of specific fault symptoms for the system/equipment being troubleshot. It contains a required title followed by a series of specific fault symptoms for the system/equipment being troubleshot. For each fault symptom , the probable malfunction or series of malfunctions that may have caused the fault shall be listed. For each probable malfunction identified, a corrective action shall be stated with a reference to the work package or paragraph that contains the data to perform the corrective action.

ELEMENT USED IN: ***<tsproc>***

CONTENT MODEL IS: (***title***, ***%alert;***, (***symptom***, (***malfunc***, (***action*** | ***%localref;***))+)+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<faultreports> *Fault Code Reference Index* – ***Troubleshooting***

The element is used for a fault code reference table contained in an Operational Checkout Work Package. The fault code reference index can be represented in a narrative format or as tabular. It may contain a title followed by an optional general information containing at least one fault code. The fault code reference index shall consist of fault code(s) which leads to a corrective action. This corrective action can either be stated as a specific remedy or can be a reference to a maintenance work package. If applicable, additional follow-on operational testing procedures shall be included based on the corrective action.

ELEMENT USED IN: ***<opcheckproc>***

CONTENT MODEL IS: (***title***?, ***geninfo***?, ***%alert;***, (***table*** | ***faultcode***+))

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REQUIRED ATTRIBUTE(S)

indxcols Specifies number of columns in the index; although an index of message words will have three columns, an index of fault reports from built-in diagnostics may have only two.

DECLARED VALUE: List (2, 3)

OPTIONAL ATTRIBUTE(S)

reftype Specifies the type of reference location used. Indicates the type of index reference to other locations in the manual.

DECLARED VALUE: List (wp, page, tsloc)

DEFAULT VALUE = wp

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<figure> *Figure* – ***Graphic***

A figure, which may contain a graphic illustration, multi-sheet illustrations, graphic chart, or text illustrations. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<bdar-manuitem>, <chkeqp>, <comp-item>, <ctrlindproc>, <ctrlindtab>, <ctrlindwp>, <damage-assesswp>, <decalinfo>, <entry>, <eqpdata>, <eqpdesc>, <figure-alt>, <formchart>, <geninfo>, <instructplt>, <introwp>, <item>, <loaddesc>, <manuitem>, <oipwp>, <para>, <pi.category>, <pmi-cklistwp>, <pmiwp>, <pms-inspecwp>, <stowinfo>, <wiringdiag>, %figtab;, and %referencetype;***

CONTENT MODEL IS: (***precond***?, ***title***, (***subfig***+ | (***graphic***, ***legend***?) | ***table*** | ***verbatim***))

OPTIONAL ATTRIBUTE(S)

application The illustration is used in page-based, frame-based, or both presentation applications.

DECLARED VALUE: List (page, frame, both)

DEFAULT VALUE = both

figtype Specifies the figure type, whether current page size, inline oversize (foldout), or oversize placed at rear of TM.

DECLARED VALUE: List (normal-page, fo-rear)

DEFAULT VALUE = normal-page

fo-size If figtype attribute value is other than "normal-page, "specifies the size of the foldout.

DECLARED VALUE: List (25x11, 35x11, 45x11)

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tocentry Defines the indenture level in the TOC. When the level is zero, no entry in the TOC is used.

DECLARED VALUE: List (0 | 1 | 2 | 3 | 4 | 5)

DEFAULT VALUE = 1

pane In an IETM, should the figure appear in a separate data pane?

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = no

label Figure number for composition that cannot auto-generate.

DECLARED VALUE: Any character

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.

DECLARED VALUE: ID Reference (one or more)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<figure-alt> *Conditional Figure – **Graphic***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<item>, <para>, and %figtab;***

CONTENT MODEL IS: (***figure***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

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<fillin> *Fill-in* – ***Dialog Box***

The element provides a fill-in-the-blank question to the user. It contains a prompt, the state (variable) information to store the user's answer in, an optional default value, and numerical range constraints.

ELEMENT USED IN: ***<dialog>, and <dialog-group>***

CONTENT MODEL IS: (***precond***?, ***enable***?, ***prompt***?, ***variableref***, ***default***?, (***numrange*** | ***validate***)?)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

mandatory Is the fill-in data mandatory to continue?
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = yes

fieldsize The width of the fill-in field in number of characters. Inputted text may exceed the field width.
DECLARED VALUE: Any character
DEFAULT VALUE = 20

<first> *First Article Inspection* – ***Quality Assurance***

A first article inspection statement that defines the criteria used to inspect the first article.

ELEMENT USED IN: ***<qawp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<first_aid> *First Aid Instruction* – ***Warning Summary***

Specify unique first aid requirements not specified in the FM 21-11 First Aid For Soldiers.

ELEMENT USED IN: ***<warnsum>***

CONTENT MODEL IS: (***%titldtext;***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<float> *Convert to Real Number* – ***Mathematical Function***

Converts an integer to a real number.

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: EMPTY

<flowchart> *Flowchart*

A flowchart providing an overview of all operations.

ELEMENT USED IN: ***<dmwr_introwp>, and <dmwr_operationalreqwp>***

CONTENT MODEL IS: (***title***, ***graphic***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<fluid.leakage> *Fluid Leakage Caution* – ***PMCS***

In PMCS introduction has a requirement caution statement, per MIL-STD-40051-1A and MIL-STD-40051-2A. Since narrative paragraphs can not contain warning or caution statements, this special condition allows a caution inclusion.

ELEMENT USED IN: ***<pmcsintrowp>***

CONTENT MODEL IS: (***title***, (***%p;***)+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<flyable> *Flyable Storage* – ***Aircraft Storage***

Procedures for flyable storage and aircraft removal from storage .

ELEMENT USED IN: ***<storagewp>***

CONTENT MODEL IS: (***geninfo***, ***proc***)

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OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

<fnccode> *Functional Group Code (FGC)* – ***Parts Information***

The element identifies the functional group code for the repair parts work package.

ELEMENT USED IN: ***<fncgrp>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<fncgrp> *Functional Group* – ***Parts Information***

The element identifies the functional group information that consists of functional group code (FGC), functional group title, and optionally part number(s), UOC(s) and/or SMR(s).

ELEMENT USED IN: ***<bulk_itemswp>, and <pi.category>***

CONTENT MODEL IS: (***fnccode***, ***fnctitle***, (***partno***, ***uoc***?, ***smr****)*)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<fnctitle> *Functional Group Title* – ***Parts Information***

The element is the functional group title that isassociated with the functional group code.

ELEMENT USED IN: ***<fncgrp>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<foldsect> *Foldout Section*

The element is the TM rear matter section marker that the foldout (oversize) illustrations are placed. The foldout figures is extracted (not printed with the work package) from the work package and appears in the foldout section, when the figure was identified as a foldout (done by setting the ***<figure figtype="fo-rear">***).

ELEMENT USED IN: ***<rear>***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<follow-on> *Follow-On Corrective Action* – ***Fault Report – Troubleshooting***

The element is a follow-on procedure(s) to the corrective action in the fault code reference index. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<faultcode>***

CONTENT MODEL IS: (***para*** | (***%step;***)+ | ***%localref;***)

REQUIRED ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

OPTIONAL ATTRIBUTE(S)

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<followon.maintsk> *Follow-on* – ***Maintenance Task***

A follow-on maintenance is a condition which must be accomplished sometime following the completion of a maintenance or service upon receipt task to clean up or undo actions performed during the task. For example, in order to fix a component a task might require that an access panel be removed. The panel would then need to be replaced as a follow-on

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action. This task might be performed sometime after the repair task is completed, but not immediately after the repair task.

ELEMENT USED IN: ***<maintsk>, <opcheck-tswp>, <opcheckwp>, <surtsk>, <test-withstate>, and <tswp>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<fording> *Fording and Swimming* – ***Operator Task***

An unusual conditions operational task containing the procedures required before, during and after fording and swimming the equipment.

ELEMENT USED IN: ***<opunutsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<formchart> *Form Chart* – ***Aircraft Weighing and Loading***

Contains information on the usage of forms and charts within the weights and balance work package.

ELEMENT USED IN: ***<wtloadwp>***

CONTENT MODEL IS: (***proc*** | (***%para0_ent;***)+ | ***figure****)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

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<framed.frnt> *Front Matter* – ***Frame Base***

All front matter of a technical manual; occurs before the first work package. Format style and requirements are prepared for frame-based display IAW MIL-STD-40051-1.

ELEMENT USED IN: ***<bdar>, <dmwr_ammo>, and <functionhierarchy>***

CONTENT MODEL IS: ((***revisionsummary*** | ***revisionsummary-alt***+), (***frntcover*** | ***frntcover-alt***+), (***promulgation*** | ***promulgation-alt***+)*, (***warnsum*** | ***warnsum-alt***+)?, (***contents*** | ***contents-alt***+), (***howtouse*** | ***howtouse-alt***+))

<framed.manual> *Manual* – ***Frame Base***

The element that contains all the assembled technical manual contents, including the front and rear matter and the work packages. Format style and requirements are prepared for frame-based display IAW MIL-STD-40051-1.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***functionhierarchy*** | ***systemhierarchy***)

REQUIRED ATTRIBUTE(S)

maintlvls Specifies the maintenance level(s) authorized to use this manual; this attribute value is used in the style sheet to apply the literal expression of the TM's maintenance level.
DECLARED VALUE: List (10, 13, 14, 24, avum-avim, dmwr, nmwr)

revno The revision number of the overall manual.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Specifies the technical manual publication number
DECLARED VALUE: Any character

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<frgngvt> *Foreign Government Information* – ***Distribution Reason***

Indicates the distribution statement restriction reason as the foreign government information and is defined as to protect and limit distribution in accordance with the desires of the foreign government that furnished the technical information. Information of this type normally is classified at the CONFIDENTIAL level or higher in accordance with DoD 5200.1-R (reference (h)). The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***%commondistreason;***

CONTENT MODEL IS: EMPTY

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REQUIRED ATTRIBUTE(S)

distreason Distribution reason text for the distribution statement.
DECLARED VALUE: Any character

DEFAULT VALUE = Foreign Government Information

<frntcover> *Front Cover*

The element is used for the TM front cover.

ELEMENT USED IN: ***<framed.frnt>, <frntcover-alt>, <paper.frnt>, <systemhierarchy>, and <volume>***

CONTENT MODEL IS: (***tmtitle***, ***graphic***?, ***reporting***?, ***notices***, ***servnomen***, ***date***)

OPTIONAL ATTRIBUTE(S)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.
DECLARED VALUE: ID Reference (one or more)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<frntcover-alt> *Alternative – **Front Cover***

When alternative covers are needed for manual with multiple configurations.

ELEMENT USED IN: ***<framed.frnt>, and <systemhierarchy>***

CONTENT MODEL IS: (***frntcover***)

<frntcover_abbreviated> *Lubrication Orders (LOs) or Preventive Maintenance Checklists (PMCs) – **Front Cover***

Front cover for Lubrication Orders (LOs) or Preventive Maintenance Checklists (PMCs).

ELEMENT USED IN: ***<lubeorder>, and <pmc>***

CONTENT MODEL IS: (***tmtitle***, ***lube-refs***?, ***reporting***, ***notices***, ***servnomen***, ***date***)

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OPTIONAL ATTRIBUTE(S)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.

DECLARED VALUE: ID Reference (one or more)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<fsc> *Federal Stock Classification Code*

The first four-digits code for the NSN. The Federal Supply Classification is the classification of all items of supply used by the federal government. Each item of supply will be included in one and only one FSC. The FSC is made up of 2 two-digit numeric codes: the federal supply group and the federal supply class. Each Federal Supply Classification (FSC) code is derived from the Federal Supply Groups (FSG). The FSG is the first two digits of the FSC code.

ELEMENT USED IN: ***<nsn>***

CONTENT MODEL IS: (#PCDATA

<ftnote> *Narrative – **Footnote***

The element contains the footnote information which is referenced in the document with footnote reference. The footnote text only appears after the footnote reference is used.

ELEMENT USED IN: ***%data;***

CONTENT MODEL IS: (***ftnpara***+)

REQUIRED ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none

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will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

OPTIONAL ATTRIBUTE(S)

mark CTR indicates a numbered footnote. If MARK is chosen, the symbols defined in the GPO Manual of Style will be assigned in the order specified there.

DECLARED VALUE: List (ctr | mark)

DEFAULT VALUE = ctr

label If used, it specifies the number or symbol assigned to the footnote and overrides auto-generation of the number or symbol by the processing system.

DECLARED VALUE: Any character

<ftnpara> *Paragraph – **Footnote***

Paragraph(s) containing the footnote information.

ELEMENT USED IN: ***<ftnote>***

CONTENT MODEL IS: (***%linkdata;*** | ***%list;*** | ***internet*** | ***proponent*** | ***phone***)*

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<ftnref> *Footnote Reference – **Footnote***

The element is the reference in the text to the footnote. In page-based, after the footnote reference the footnote text appears at the end of the page or table. In frame-based the footnote text may be a mouse rollover, new window display the note, etc.

ELEMENT USED IN: ***%data;***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

xrefid References the unique identifier of the footnote.

DECLARED VALUE: ID Reference

<funcdepend> *Functional Dependencies – **Additional Data – Troubleshooting***

This element contains diagrams or other means of presenting the functional dependencies of components that make up the system under test.

ELEMENT USED IN: ***%tsdata;***

CONTENT MODEL IS: (***%titldtext;***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<function> *Function* – ***Controls and Indicators***

The controls or indicator function is described. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<ctrlindrow>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<functionhierarchy> *IETM Functional Hierarchy*

Organized the IETM by functional grouping, similar to page-base.

ELEMENT USED IN: ***<framed.manual>***

CONTENT MODEL IS: (***framed.frnt***, ***gim***, ***opim****, (***tim***?, ***mim***?)+, ***pim***?, ***dim***?, ***bim***?, ***sim***, (***da2028***+, ***authent***))

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<ge> *Greater Than or Equal* – ***Boolean – Evaluation***

Returns a "True" value if the first number is greater than or equal to the second number, otherwise returns "False".

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<gen.maintwp> *General Maintenance* – ***Work Package***

This work package contains common, general, or standard maintenance procedures (e.g., specific torque wrench usage, lockwire procedures, O ring seal installation, external power connections, etc.) applicable to other maintenance work packages contained within the TM.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <maintenancecategory>, <maintenancepmcscategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, (***proc*** | ***para***))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<gen_hazards> *Protection Against General Hazards* – ***DMWR Ammunition Introduction***

Guidance for general hazards for the ammunition and materials requiring protection against the general hazards. Additionally, requirements for handling of ammunition, requirements for wearing of suitable protective clothing and precautions when handling PENTA-treated packing materials and pallets be included.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

<general_destruct_info> *General Information* – ***Destruction***

Provides the user with information that is generic to most destruction processes.

ELEMENT USED IN: ***<destruct-introwp>***

CONTENT MODEL IS: (***%para0_ent;***)+

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<general_purpose_notices> *General Purpose – **Notice***

When the predefined notices do not meet the TM requirements, the general purpose notice may be specified.

ELEMENT USED IN: ***<notices>***

CONTENT MODEL IS: (***title***, ***text***)

<geninfo> *General or Introductory Information*

This element contains titled and subtitled paragraphs giving general or introductory information; the element is contained in many work package contexts; such as service upon receipt work package or contained as part of procedural instructions; such as cleaning an aircraft prior to shipping.

ELEMENT USED IN: ***<bdar-repair>, <chkeqp>, <ctrlindwp>, <faultreports>, <flyable>, <intermediate>, <messageindx>, <oipwp>, <pm-ginfowp>, <pmiwp>, <proc>, <short>, <tsindxwp>, <tsintrowp>, <wtloadwp>, %ammo_ent;, and %wpsetup;***

CONTENT MODEL IS: (***title***?, ***figure****, ***%mixparagraph;***)

OPTIONAL ATTRIBUTE(S)

%frameatt; Any of the attributes in the associated attribute set may be used with this element. Refer to frameatt for a complete description.

<genrepairwp> *General Repair – **Work Package – BDAR***

This element provides information for battlefield repair of end items, components, etc.

ELEMENT USED IN: ***<bim>, and <brim>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***bdar-repair***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<genwp> *Generic Supporting Information – **Work Package***

If a manual contains a work package that does not fit any of the content-specific work packages. There may be more than one general work package contained in the supporting information chapter, and all would occur at the end of the information chapter.

ELEMENT USED IN: ***<dmwr_ammo>, <sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, (***%titldtextproc;***))

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OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<gim> *General* – ***Information Chapter***

The information chapter is used to prepare general information, equipment description and theory of operation data for major weapon systems, and their related systems, subsystems, equipment, weapons replacement assemblies, and shop replacement assemblies.

ELEMENT USED IN: ***<ammo>, <bdar>, <functionhierarchy>, and <paper.manual>***

CONTENT MODEL IS: (***titlepg***, ***ginfowp***, (***bdar-geninfowp*** | (***descwp***+, ***thrywp****)))

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<ginfowp> *General Information* – ***Work Package***

All general information, reference statements and standard statements are contained within this work package.

ELEMENT USED IN: ***<destruction_manual>, <dmwr_ammo>, <gim>, and <overallsystem>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***scope***, ***mfrr***?, ***eir***?, ***handreceipt***?, ***cpcdata***?, ***odsdata***?, ***destructmat***?, ***pssref***?, ***wrntyref***?, ***nomenreflist***?, ***loa***?, ***qainfo***?, ***qual.mat.info***?, ***sftyinfo***?, ***hcp***?, ***calref***?, ***ecp***?, ***modification***?, ***deviation***?, ***mobreq***?, ***csireq***?, ***cost***?, ***supdata***?, ***copyrt***?)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<glossary> *Glossary*

A glossary of terms and definitions contained in the paged-based TM rear matter.

ELEMENT USED IN: ***<rear>, and <systemref>***

CONTENT MODEL IS: (***title***, ***trim.para***?, ***deflist***)

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OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<graphic> *Graphic*

Identifies a graphic, which is contained in an external entity. A graphic is stored either as vector (MIL-PRF-28000 or MIL-PRF-28003) or raster (MIL-PRF-28002) data and is used as an illustration in the document.

ELEMENT USED IN: ***<bdar-manuitem>, <bii>, <bii-opt-entry>, <coei>, <coei-opt-entry>, <comp-locator>, <da2028>, <entry>, <figure>, <flowchart>, <frntcover>, <manuitem>, <promulgation>, and <subfig>***

CONTENT MODEL IS: (***mapref****)

OPTIONAL ATTRIBUTE(S)

%graphicatt; Any of the attributes in the associated attribute set may be used with this element. Refer to graphicatt for a complete description.

hplace Specifies the horizontal placement in the available repro area.
DECLARED VALUE: List (left | right | center | none)

graphsty Provided to allow for cases where a "grphstyl" specified in a style sheet is to be used.
DECLARED VALUE: Name Token

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<groupno> *Group Number* – ***Maintenance Allocation Chart***

The element contains the functional group code for the maintenance action. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avmac-group-2lvl>, and <mac-group-2lvl>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<gt> *Greater Than* – ***Boolean – Evaluation***

Returns a "True" value if the first number is greater than the second number, otherwise returns a "False" value.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

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<h> *Below Depot Hours* – ***2 Maintenance Level – Maintenance Allocation Chart***

Grouping of the work time for below depot maintenance level (H). In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<maintclass-2lvl>***

CONTENT MODEL IS: (#PCDATA

<handreceipt> *Hand Receipt (HR) Manuals Statement* – ***General Information***

The hand receipt manual that is a companion document is identified and referenced.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<harness-indx> *Harness Index* – ***Supporting Data – Troubleshooting***

The harness index is a special index of electrical (wiring) harnesses, needed due to the extensive interrelated circuitry.

ELEMENT USED IN: ***%tsdata;***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<haz-icons> *Hazard Icon Section* – ***Warning Summary***

The hazard icons used in the TM which are defined in the warning summary.

ELEMENT USED IN: ***<hazmat>***

CONTENT MODEL IS: (***symbol***, ***hazdesc***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<haz_analysis> *Hazard Analysis* – ***General Information***

The Hazard Analysis provides boilerplate statement and reference the Hazard Analysis Work Package.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<hazard> *Hazardous Material* – ***Warning Summary***

A hazardous material warning appearing in the warning summary. It consists of the name or identification of the material, the associated hazard icons (usually multiple), and a description.

ELEMENT USED IN: ***<hazmat>***

CONTENT MODEL IS: (***hazid***, ***symbol***+, ***title***?, ***para***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<hazdesc> *Hazard Icon Description* – ***Warning Summary***

A hazardous condition description associated with a hazard icon.

ELEMENT USED IN: ***<haz-icons>***

CONTENT MODEL IS: (***title***, ***text***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<hazid> *Identifying Name of the Hazardous Material* – ***Warning Summary***

The name or other identification of a hazardous material.

ELEMENT USED IN: ***<hazard>***

CONTENT MODEL IS: (***%text_ent;***)*

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<hazmat> *Hazard Icons and Hazardous Materials* – ***Warning Summary***

A warning summary section that contains explanations of any hazard icons in the TM and/or descriptions of hazardous materials used in performing procedures in the TM.

ELEMENT USED IN: ***<warnsum>***

CONTENT MODEL IS: (***title***, ***haz-icons***+, ***title***, ***hazard***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<hcp> *Nuclear Hardness Statement* – ***General Information***

When the equipment or any component has nuclear hardness survivability requirements, they must be identified. The method in which nuclear hardness (HCP) is to be identified is described in this portion of the manual.

ELEMENT USED IN: ***<ginfowp>, and %hcpesd;***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<help.info> *Content Sensitive Help*

Help information about the technical data used in frame-based manuals. Provides additional help information about the data on the screen.

ELEMENT USED IN: ***<dialog>, <message>, and %linkdata;***

CONTENT MODEL IS: ((***%para0_ent;***)+ | ***para***+ | ***%localref;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<high-bound> *Fill-in Upper Boundary* – ***Dialog Box***

The maximum numerical input value that is acceptable in a Fill-in Dialog Box.

ELEMENT USED IN: ***<double-bound>, and <numrange>***

CONTENT MODEL IS: (***integer*** | ***real*** | ***variableref*** | ***expression***)

<hoist> *Hoisting* – ***Maintenance Task***

Procedures for hoisting the aircraft with the shrink film covering installed.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<homepage> *Internet Home Page Address* – ***Address***

User home page address.

ELEMENT USED IN: ***<internet>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

uri Uniform Resource Information (URI) for the Internet home page address.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

protocol Type of internet protocol used with the URI address.
DECLARED VALUE: List (http | https | ftp)

DEFAULT VALUE = http

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<hookup> *Hookup Procedure* – ***Test Set – Troubleshooting***

Reference to procedures for hooking up external test equipment to the system under test; used for automated or semi-automated test

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equipment or for breakout boxes. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<hookup-alt>, <opcheck-tswp>, <opcheckwp>, <testwithout-state>, <tswp>, and %hookup_ent;***

CONTENT MODEL IS: (***precond***?, ***para***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<hookup-alt> *Conditional Hookup Procedure* – ***Test Set – Troubleshooting***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***%hookup_ent;***

CONTENT MODEL IS: (***hookup***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<howtouse> *How to Use*

Any special or detailed information on how to read and use information and procedures.

ELEMENT USED IN: ***<framed.frnt>, <howtouse-alt>, <introwp>, <overallsystem>, <paper.frnt>, and <tsintrowp>***

CONTENT MODEL IS: (***title***, (***%p;***)*, (***%para0_ent;***)+)

OPTIONAL ATTRIBUTE(S)

frame Indicates to the IETM system the authors intended Frame break.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = yes

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%stdinfoatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.
<howtouse-alt>	*How to Use Alternative* When alternative "How to Use" are needed for manual with multiple configurations.
ELEMENT USED IN:	***<framed.frnt>, and <overallsystem>***
CONTENT MODEL IS:	(***howtouse***)

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<icon-set> *Icon Set – **Alert***

Identifies a series of hazard icons used as a unit to mark warnings or cautions; stored as a single graphic entity.

ELEMENT USED IN: ***<caution>, <caution.group>, and %warning_ent;***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

%graphicatt; Any of the attributes in the associated attribute set may be used with this element. Refer to graphicatt for a complete description.

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<idivide> *Integer Division – **Mathematical Function***

Return the value of the first number divided by the second number, truncated to an integer.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<if> *If – **Evaluation***

Evaluates state (variable) information to determine the next action. If the IF evaluation is "False", optional ELSE-IF are evaluated to determine the next action. When no conditions evaluate to "True" the ELSE condition is used to determine the next action. The first "True" evaluated expression will be used and perform the actions contained in the THEN statement.

ELEMENT USED IN: ***<evaluate>***

CONTENT MODEL IS: (***expression***, ***then***, ***elseif****, ***else***?)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

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<illno> *Illustration Number* – ***Supporting Information***

The illustration callout number is entered in the first column in the BII table and relates the illustration to the list.

ELEMENT USED IN: ***<bii-entry>, and <coei-entry>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<increment> *For Loop Increment* – ***Loop – Evaluation***

The element provides the expression to increment the FOR LOOP counter.

ELEMENT USED IN: ***<loopfor>***

CONTENT MODEL IS: (***expression***)

<index> *Substring* – ***String Function***

The index operator supports one or two index values. The first index value determines the starting string pointer position A positive index value means an index position counted from the beginning of the string. A negative index-value is counted from the end. A one (1) means the start of the string. A zero (0) means the end of the string. The second index value is the number of characters in the substring. If no second index value is present the first index pointer to end of the string is returned.

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: (***indexvalue***, ***indexvalue***?)

<indexentry> *Entry* – ***Index***

This element contains the necessary data to create an index manually or through a pre-process. This element is recursive to allow the required index levels for the manual.

ELEMENT USED IN: ***<aindx>, and <indexentry>***

CONTENT MODEL IS: (***title***, ((***wpno***, ***pageno***) | ***pageno***)*, ***indexentry***)

OPTIONAL ATTRIBUTE(S)

%idrefs; Any of the attributes in the associated attribute set may be used with this element. Refer to idrefs for a complete description.

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%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<indexvalue> *Index Value* – ***String Function***

An integer to specify position in the string.

ELEMENT USED IN: ***<index>***

CONTENT MODEL IS: (#PCDATA

<indication> *Normal Indication* – ***Logic Tree – Troubleshooting***

The element is used for the normal or expected indication or condition in response to the operational check.

ELEMENT USED IN: ***<checkstep>, <origin>, and <testblock>***

CONTENT MODEL IS: (((*title*?, (*%p;*))+) | *%list;* | (*%step;*)+)

OPTIONAL ATTRIBUTE(S)

status	Specifies whether the current indication element is a normal or abnormal (out-of-range) indication.
DECLARED VALUE:	List (normal | adnormal)
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<indxref> *Marker Reference* – ***Index***

The element establishes a document location and index text to be referenced within the alphabetical index.

ELEMENT USED IN: ***<introwp>, <refdesindxwp>, and %linkdata;***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

ref1	Level 1. Index text to be referenced.
DECLARED VALUE:	Any character
ref2	Level 2. Index text to be referenced.
DECLARED VALUE:	Any character
ref3	Level 3. Index text to be referenced.
DECLARED VALUE:	Any character
ref4	Level 4. Index text to be referenced.
DECLARED VALUE:	Any character

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id — An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

indxref — Create a reference to the manual or auto generated index entry.

DECLARED VALUE: ID Reference

<initial> — *Adjustments, Before Use, Daily Checks, and Self-test* – ***Operator Task***

An operational task for specification of routine checks, self-test, or adjustments that the operator performs before putting equipment in operation.

ELEMENT USED IN: ***<opertsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; — Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<initial_setup> — *Work Package Initial Setup*

Lists all of the information required by the technician so the tools, test equipment, references, parts, and other items needed to complete the tasks can be obtained.

ELEMENT USED IN: ***<ammowp>, <auxeqpwp>, <bdar-manuitem>, <bdartoolswp>, <compchklistwp>, <destruct-materialwp>, <dmwr_operationalreqwp>, <dmwr_qarwp>, <emergencywp>, <facilwp>, <gen.maintwp>, <genrepairwp>, <genwp>, <inventorywp>, <lubewp>, <maintwp>, <manuwp>, <mobilwp>, <oipwp>, <opcheck-tswp>, <opcheckwp>, <opunuwp>, <opusualwp>, <perseqpwp>, <pmcswp>, <pmi-cklistwp>, <pmiwp>, <pms-inspecwp>, <pshopanalwp>, <qawp>, <storagewp>, <surwp>, <tswp>, <wiringwp>, <wtloadwp>, %ammo_ent;, and %wpsetup;***

CONTENT MODEL IS: (((***testeqp***, ***%opttesteqp;***) | (***tools***, ***%opttools;***) | (***mtrlpart***, ***%optmtrlpart;***) | (***persnreq***, ***%optpersnreq;***) | (***ref***, ***%optref;***) | (***eqpconds***, ***%opteqpconds;***) | (***specenv***, ***%optspecenv;***) | (***dwgreq***, ***%optdwgreq;***) | ***time.to.comp*** | (***title***?, ***null***)))

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OPTIONAL ATTRIBUTE(S)

%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<initialcount> *For Loop Initial Count* – ***Loop – Evaluation***

The element initiates the loop counter by assigning a value using the state (variable) information.

ELEMENT USED IN: ***<loopfor>***

CONTENT MODEL IS: (***%statemanipulation_ent;***)

<initialize> *Variable Initializing Value* – ***Evaluation***

The element provides a clear and precise indication if the variable has an initial value set.

ELEMENT USED IN: ***<variable>***

CONTENT MODEL IS: (***expression*** | ***fault***)

<inlinegraphic> *Inline* – ***Graphic***

Allows a graphic (i.e. equation) to be shown inline with the text, this is not to be substituted for a numbered figure. Identifies a graphic, which is contained in an external entity.

ELEMENT USED IN: ***<item>, and <para>***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

%graphicatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to graphicatt for a complete description.
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<inprocess> *In-Process Inspections* – ***Quality Assurance***

The element is an in-process inspections statement which defines the QA inspections method used.

ELEMENT USED IN: ***<qawp>***

CONTENT MODEL IS: (***%titldtext;***)

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OPTIONAL ATTRIBUTE(S)

%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<insertpg> *Inserted Page* – ***Change Sheet***

Identifies the page number of a page to be inserted as part of a current change in the front or rear matter. It forms a column in the change list that appears on the change sheet.

ELEMENT USED IN: ***<chgpage>***

CONTENT MODEL IS: (#PCDATA

<insp-method> *Inspection Method* – ***Classification of Material Defects***

The element is used to determine if corrective action was accomplished. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<defect-group>, and <oipitem>***

CONTENT MODEL IS: (#PCDATA

<inspect> *Inspection of Installed Items* – ***Maintenance Task***

A maintenance task containing the procedures for inspection of components and assemblies installed on the equipment to determine if the item is damaged, deteriorated or missing.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***, ***defect.tab***?)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<install> *Installation Instructions* – ***Maintenance Task***

A maintenance task or service upon receipt task (depending on the context) containing necessary instructions for proper installation of equipment. Includes the use of tools, necessary interconnections, and procedures to lubricate, calibrate and adjust equipment.

ELEMENT USED IN: ***<maintsk>, and <surtsk>***

CONTENT MODEL IS: (***proc***)

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OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<instructplt> *Instruction Plates and Decals*

Used within any normal operational task element to specify relevant decals and instruction plates that are located on the equipment.

ELEMENT USED IN: ***<opertsk>, and <opunutsk>***

CONTENT MODEL IS: ((***title***, ***para***)?, ***figure***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<integer> *Integer* – ***Value Type***

Defines the information as an integer value. If the data within does not conform as an integer a error is generated.

ELEMENT USED IN: ***<high-bound>, <low-bound>, and %value;***

CONTENT MODEL IS: (#PCDATA

<interaction> *User Interaction*

The element provides ability to receive input from dialog prompts (Fill-In or Menu) and transmit results. The main function of the element is to assist with diagnostic. The element also can be used to provide standard mathematical operations during operations. The dialogs are created by technical writer and can not be generated by the IETM user.

ELEMENT USED IN: ***<link>, <para>, <resultwithstate>, and %diagnostic-test_ent;***

CONTENT MODEL IS: (***%statemanipulation_ent;*** | ***%dialog_ent;*** | ***message***)+

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<interconnect> *Interconnections Between Components* – ***Supporting Data – Troubleshooting***

This element contains diagrams or other means of presenting the electrical and electronic connections between components of the system under test.

ELEMENT USED IN: ***%tsdata;***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<intermediate> *Intermediate Storage* – ***Aircraft Storage***

The criteria for intermediate-length storage is entered.

ELEMENT USED IN: ***<storagewp>***

CONTENT MODEL IS: (***geninfo***, ***proc***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

<internet> *Internet Address* – ***Address***

Reference to the Internet by email or home page

ELEMENT USED IN: ***<address>, <ftnpara>, and %trimcontent;***

CONTENT MODEL IS: (***email*** | ***homepage***)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

narrative Narrative to use instead of the email or home page address.
DECLARED VALUE: Any character

show.address Show the internet address with narrative attribute text.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = Yes

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<interval> *Inspection Interval*

Identifies the PMCS and PMI - Criteria for inspections interval between checks.

ELEMENT USED IN: ***<pmcs-entry>, <pmcs-intervals>, and <pmi.pecul-entry>***

CONTENT MODEL IS: (#PCDATA

<interval.hours> *Inspection Interval Hours* – ***Overhaul and Retirement Schedule***

The maximum operating time allowed on the part before it is to be overhauled. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<overhaul.interval>, and <retirement.interval>***

CONTENT MODEL IS: (#PCDATA

<interval.notes> *Inspection Interval Notes* – ***Overhaul and Retirement Schedule***

Any additional information require on the part's overhaul interval. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<overhaul.interval>, and <retirement.interval>***

CONTENT MODEL IS: (***%text_ent;***)*

<intro> *Introduction*

An introductory section contained in many work packages, which often (but not always) has text that should be entered verbatim from MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<aalwp>, <bdartoolswp>, <chklist>, <coeibiiwp>, <compchklistwp>, <csi>, <ctrlindproc>, <ctrlindwp>, <damage-assesswp>, <eqploadwp>, <explistwp>, <inventorywp>, <lubeorder>, <macintrowp>, <manu_items_introwp>, <mobilwp>, <mrplwp>, <opcheck-tswp>, <opcheckwp>, <orsch>, <pmcsintrowp>, <stowagewp>, <stowinfo>, <substitute-matwp>, <supitemwp>, <thrywp>, <toolidwp>, <torquewp>, <tswp>, and <wiringwp>***

CONTENT MODEL IS: (***para0*** | ***para0-alt***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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frame	Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	no

<introwp>	*Parts Introductory* – ***Work Package***
	The introductory work package contains introductory material specified by the contracting activity and MIL-STD-40051-1A and MIL-STD-40051-2A.
ELEMENT USED IN:	***<pim>, and <systemhierarchy>***
CONTENT MODEL IS:	(***wp.metadata***?, ***wpidinfo***, ***indxref****, (***%titldtext;*** | ***howtouse***)+, ***figure****)
OPTIONAL ATTRIBUTE(S)	
%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<inventoriable>	*Inventoriable* – ***Aircraft Inventory***
	The criteria used to define inventoriable items is contained within this element. This includes all items without regard to the source or ownership. Inventoriable items information is also used as source data for DA Form 2408-17.
ELEMENT USED IN:	***<inventorywp>***
CONTENT MODEL IS:	(***%titldtext;***)
OPTIONAL ATTRIBUTE(S)	
%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<inventorywp>	*Aircraft Inventory* – ***Work Package***
	The inventory work package contains information on standard inventory procedures. Aircraft only.
ELEMENT USED IN:	***<aviationcategory>, <depotcategory>, <systembreakdown>, and <systemref>***
CONTENT MODEL IS:	(***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***intro***, ***security***, ***inventoriable***, ***prdinv***)
OPTIONAL ATTRIBUTE(S)	
%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<issuechg> *Issued Changes List* – ***LOEP/WP***

The element provides a listing of issues changes for the List of Effective WP and Pages.

ELEMENT USED IN: ***<loepwp>***

CONTENT MODEL IS: (***trim.para***, ***issued***+)

<issued> *Issued Changes* – ***LOEP/WP***

The element provides the issue change number and date.

ELEMENT USED IN: ***<issuechg>***

CONTENT MODEL IS: (***chgno***, ***chgdate***)

<item> *Item* – ***List***

The element is contains the each item in a list.

ELEMENT USED IN: ***<loadlist>, <randlist>, and <seqlist>***

CONTENT MODEL IS: (***%trimcontent;*** | ***note*** | ***seqlist*** | ***randlist*** | ***inlinegraphic*** | ***figure*** | ***figure-alt*** | ***table***)*

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

label Specify a list letter, number, or character for each list item.
DECLARED VALUE: Any character

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.
DECLARED VALUE: ID Reference (one or more)

<itemno> *Item Number* – ***Supporting Information***

The item number assigned to the entry for reference purpose. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<bii-opt-entry>, <coei-opt-entry>, <expdur-entry>, <mrpl-entry>, <oipitem>, <pmcs-entry>, <pmi.pecul-entry>, and <tool-entry>***

CONTENT MODEL IS: (#PCDATA

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OPTIONAL ATTRIBUTE(S)	
%refs;	Any of the attributes in the associated attribute set may be used with this element. Refer to refs for a complete description.
<itemref>	*Item Reference Information* – ***Initial Setup*** An element containing work package initial setup referenced information. The reference can contain an external document reference, an internal cross reference within the document, or a specific reference to a standard information entry in a supporting information.
ELEMENT USED IN:	***<eqpconds-setup-item>, <material-list>, <mtrlpart-setup-item>, <testeqp-setup-item>, and <tools-setup-item>***
CONTENT MODEL IS:	(***%linkref;***)+

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<jack> *Jacking* – ***Maintenance Task***

A maintenance task including procedures for blocking, supporting, and shoring the equipment.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<key> *Key* – ***Controls and Indicators***

Identifies a key or callout that locates a control or indicator shown on the related figure. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<ctrlindrow>***

CONTENT MODEL IS: (#PCDATA

<keyword.search> *Keyword Search Word or Phrase* – ***Work Package Metadata***

For an IETM, keyword to search IAW the functionality matrix in MIL-STD-40051-1. Each keyword or phrase uses a separate element.

ELEMENT USED IN: ***<wp.metadata>***

CONTENT MODEL IS: (#PCDATA

<kititem> *Kit Items* – ***Parts Information***

Kit repair parts is listed under the kit item and contains quantity, figure number, and item number where the kit information is referenced. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<pi.item>***

CONTENT MODEL IS: (***name***, ***qty***, ***callout***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<kitswp> *Kits Items List* – ***Work Package***

Separate work package for listing the kit items, instead of specifying in the part lists work package.

ELEMENT USED IN: ***<pim>, and <systemhierarchy>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***pi.category***+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<l> *TASMG Hours* – ***2 Maintenance Level – Maintenance Allocation Chart***

Grouping of the work time for TASMG maintenance level (L). In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avmaintclass-2lvl>***

CONTENT MODEL IS: (#PCDATA

<lcn> *Logistic Control Number (LCN)* – ***Metadata***

Provides the Logistic Control Number (LCN) for additional search capability.

ELEMENT USED IN: ***<systemnomen>***

CONTENT MODEL IS: (#PCDATA

<le> *Less Than or Equal* – ***Boolean – Evaluation***

Returns a "True" value if the first number is less than or equal to the second number, otherwise returns a "False" value.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<legend> *Legend* – ***Graphic***

The legend defines symbols or terms used in the figure. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<figure>, and <subfig>***

CONTENT MODEL IS: (***title***, ***legend.item***+)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<legend.item> *Legend Item* – ***Graphic***

Contains each legend item information. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<legend>***

CONTENT MODEL IS: ((***term*** | ***callout***), ***def***, ***xref***?)

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OPTIONAL ATTRIBUTE(S)

%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<link> *Linking* – ***Linkage***

The link element provides a capability to reference internal or external targets. The link can be displayed either inline or as a message dialog box. The pretext and posttext elements provide additional wording not part of the link hotspot. The hotspot can be a symbol, text, or generated information from the target. When returning from the link the author can define next location to display next or specify user interaction to perform.

ELEMENT USED IN: ***<aftermessage>, <button>, <choice>, <contententry>, <da2028>, <material-list>, <resultwithoutstate>, <resultwithstate>, <returnlink>, %extref_ent;, %linkref;, and %localref;***

CONTENT MODEL IS: (***title***?, (***pretext***?, (***symbol*** | ***ref.generate*** | ***prompt***), ***posttext***?)?, (***returnlink*** | ***interaction***)?)

REQUIRED ATTRIBUTE(S)

xmlns:xlink Specifies the name space for the XML linking reference.
DECLARED VALUE: Any character
DEFAULT VALUE = FIXED "http://www.w3.org/1999/xlink"

xlink:type Defines the XML link type. Currently MIL-STD-2361 is only allowing simple linking.
DECLARED VALUE: List (simple | complex)
DEFAULT VALUE = FIXED "simple"

OPTIONAL ATTRIBUTE(S)

application The link is used for frame only, page only or both.
DECLARED VALUE: List (frame | page | both)
DEFAULT VALUE = frame

local Local or internal cross reference to an ID target.
DECLARED VALUE: ID Reference

localrange Local or internal ending cross reference to an ID target. The local and localrange specify a range (i.e., step 3 - 6).
DECLARED VALUE: ID Reference

xlink:href Specify an URI reference to an external document. Specify an ID target in the external document use "#" and then the target ID. (i.e., www.asrl.com#tmdtd).
DECLARED VALUE: Any character

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xreftype	Defines the cross reference type (i.e., graphic or work package).
DECLARED VALUE:	List (%referencetype;)
linkobject	Specify the target ID object type (i.e., software application, CGM, TIFF).
DECLARED VALUE:	List (%notation.class;)
linktype	Defines whether the link will return back to current link position or remains at the target ID. Undefined is determined by the IETM system.
DECLARED VALUE:	List (goto | return | undefined)
DEFAULT VALUE =	goto
linkaction	Does the link action jump automatically or is prompted.
DECLARED VALUE:	List (prompt | immediate)
DEFAULT VALUE =	prompt
popup	Is the prompt inline or popup.
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	no
parameter	Application software parameters.
DECLARED VALUE:	Any character
alt	Alternative graphical text to display about the graphic content.
DECLARED VALUE:	Any character
%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<ln> *Natural Logarithm* – ***Mathematical Function***

The element will evaluate the value of natural logarithm (ln).

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<loa> *List of Abbreviation/Acronyms* – ***General Information***

A lists of all abbreviations, acronyms, signs, or symbols used in the TM.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<load> *Load – **Maintenance Task***

Instructions for placing assets onto a transportation medium (e.g., pallet, truck, container) or munitions into a weapon/weapon system shall be prepared as required to support the specific equipment.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<loaddesc> *Loading Description*

Identifies a description of equipment loading, including illustrations of the end item with equipment locations and a standard information load list. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<eqploadwp>***

CONTENT MODEL IS: (***title***, (***figure***, (***table*** | ***loadlist***))+)

REQUIRED ATTRIBUTE(S)

type Specifies the type of loading plan
DECLARED VALUE: List (tac (tactical), notac (non tactical))

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<loadlist> *Loading List*

Identifies a standard information loading list that lists all applicable equipment by illustration identification number and item name. The list is on the same page or adjacent to the illustration. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<loaddesc>***

CONTENT MODEL IS: (***callout***, ***item***)+

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

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%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<locdesc>
– *Equipment Description and Data*

Location and Description of Major Components

Descriptive data on the location and description of major components of the equipment.

ELEMENT USED IN: ***<descproc>, and <descwp>***

CONTENT MODEL IS: (***title***, (***%mixparagraph;***)?, ***comp-item***+)

OPTIONAL ATTRIBUTE(S)

%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<loepwp>

List of Effective Pages and Work Package

The list of effective work packages lists the latest work packages in the TM. The element is prepared along with the basic version of the TM and each subsequent change.

ELEMENT USED IN: ***<lubeorder>, <paper.frnt>, and <volume>***

CONTENT MODEL IS: (***wp.metadata***?, ***trim.para***?, ***title***, ***note***?, ***issuechg***, ***totalnumberof***+, ***col.title***, ***col.title***, (***chgvol***?, ***chghistory***)+)

<log>

Logarithm – ***Mathematical Function***

The element will evaluate the value of logarithm (log).

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<logicproc>

Text Logic Procedure – ***Troubleshooting***

The element identifies a method of troubleshooting combining text and logic. A title is required followed by point of origin , and consisting of either a test block (testing to determine fault) or a end block (isolated fault). Prior to point of origin , warnings , cautions , and notes may be entered.

ELEMENT USED IN: ***<damage-assesswp>, and <tsproc>***

CONTENT MODEL IS: (***title***, ***%alert;***, ***origin***, (***testblock*** | ***endblock*** | ***branchref***)+)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<loop> *Until or While* – ***Loop – Evaluation***

The element will execute the loop action while or until completed and THEN process the corrective action, link to the next test node, or link to the maintenance task. The loop terminates by either a while evaluation (evaluations the condition before entering the loop and continues while the evaluation is "True") or until evaluation (evaluations the condition after entering the loop and continues until the evaluation is "True"). Note this loop can become an infinite loop, unless an additional condition is evaluated (i.e., stop after X number of loops).

ELEMENT USED IN: ***<evaluate>***

CONTENT MODEL IS: ((***%statemanipulation_ent;***)*, ((***endcondition***, ***loopaction***) | (***loopaction***, ***endcondition***)), ***then***)

OPTIONAL ATTRIBUTE(S)

id	An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE:	ID

<loopaction> *Actions Performed* – ***Loop – Evaluation***

The element evaluates inputs from BIT/BITE or user interaction. During the looping action, the end condition is set from BIT/BITE result, user input, or state (variable) information is set (usually to avoid infinite loops by counting number of iterations).

ELEMENT USED IN: ***<loop>, and <loopfor>***

CONTENT MODEL IS: (***proc***, (***%statemanipulation_ent;*** | ***diagnostic_group*** | ***%dialog_ent;***)+)

<loopfor> *For* – ***Loop – Evaluation***

The element will execute the loop action a specified number of iterations and THEN process the corrective action, link to the next test node, or link to the maintenance task. The counter is initialized, how much

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to increment the counter each iteration, and end counter terminates accomplished through an expression (i.e., counter<10).

ELEMENT USED IN: ***<evaluate>***

CONTENT MODEL IS: ((***%statemanipulation_ent;***)*, ***initialcount***, ***increment***, ***end-condition***, ***loopaction***, ***then***)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<low-bound> *Fill-in Lower Boundary* – ***Dialog Box***

The minimum input value that is acceptable for Fill-in Dialog Box.

ELEMENT USED IN: ***<double-bound>, and <numrange>***

CONTENT MODEL IS: (***integer*** | ***real*** | ***variableref*** | ***expression***)

<lruthry> *Line Replaceable Unit* – ***Theory of Operation***

Identifies line replaceable units' theory of operation; an LRU is a component or unit removed at the Unit or Organizational level.

ELEMENT USED IN: ***<ssysthry>, and <systhry>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

nomen Specifies the nomenclature of the equipment.

DECLARED VALUE: Any character

nsn Specifies the national stock number of the equipment.

DECLARED VALUE: Any character

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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frame	Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	no

<lt>	*Less Than* – ***Boolean – Evaluation***
	Returns a "True" value if the first number is less than the second number, otherwise returns a "False" value.
ELEMENT USED IN:	***%binop;***
CONTENT MODEL IS:	EMPTY

<lube>	*Lubrication* – ***Maintenance Task***
	A maintenance task used for specifying the equipment lubrication instructions or reference.
ELEMENT USED IN:	***<maintsk>***
CONTENT MODEL IS:	(***proc***)
OPTIONAL ATTRIBUTE(S)	
%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<lube-refs>	*Reference Line* – ***Cover – Lubrication Order***
	A reference line consisting of the publication number(s) of the related TMs to the LO card.
ELEMENT USED IN:	***<frntcover_abbreviated>***
CONTENT MODEL IS:	(***%extref_ent;***)+

<lubeorder>	*Lubrication Order (LO) Card*
	The preparation of stand-alone Lubrication Orders (LOs) for major weapon systems and their related systems, subsystems, equipment, WRAs, and SRAs.
ELEMENT USED IN:	***<production>***
CONTENT MODEL IS:	(***frntcover_abbreviated***, ***loepwp***?, ***%alert;***, ***intro***, ***lubewp***+, ***lubeorder_rear***)

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<lubeorder_rear> *Rear* – ***Lubrication Order***

ELEMENT USED IN: ***<lubeorder>***

CONTENT MODEL IS: (***authent***, ***back***)

<lubewp> *Lubrication Instructions* – ***Work Package***

The element contains all he lubrication data required equipment checks and maintenance.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <lubeorder>, <maintenancecategory>, <maintenancepmcscategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***proc***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<lubricant> *Lubricant*

Identifies a lubricant within text, especially within a lubrication work package.

ELEMENT USED IN: ***%misc;***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

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<mac> *Standard Information* – ***Maintenance Allocation Chart***

A standard or two-level Maintenance Allocation Chart itemizes the maintenance functions, levels and times assigned to each item. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<macwp>***

CONTENT MODEL IS: (***title***, ***mac-group-2lvl***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<mac-group-2lvl> *Functional Group* – ***2 Level Maintenance – Maintenance Allocation Chart***

The element lists each the functional group number component(s)/assemble(s) information. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<mac>***

CONTENT MODEL IS: (***groupno***, ((***compassem***, ***qualify-2lvl***+) | ***compassemgroup-2lvl***+))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<macintrowp> *Maintenance Allocation Chart Introduction* – ***Work Package***

This element contains the verbatim and specific introduction Maintenance Allocation Chart information IAW MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<macwp> *Maintenance Allocation Chart (MAC)* – ***Work Package***

The Maintenance Allocation Chart work package identifies and details the maintenance functions assigned to each maintenance level. This work package is for -20 or AVUM Levels Only.

ELEMENT USED IN: ***<sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, (***mac*** | ***avmac***), ***tereqtab***, ***remarktab***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<maintclass-2lvl> *Maintenance Level Classification* – ***2 Level Maintenance – Maintenance Allocation Chart***

The maintenance classification contains the authorized maintenance level and the time required to perform the task. The time required to complete the task is entered in the appropriate level of maintenance (field and sustainment).

ELEMENT USED IN: ***<qualify-2lvl>***

CONTENT MODEL IS: ((***c***, ***f***?, ***h***?, ***d***?) | (***f***, ***h***?, ***d***?) | (***h***, ***d***?) | ***d***)

<maintenance> *Part Lowest Maintenance Level* – ***Supporting Information***

The lowest authorized maintenance level for use the too, test equipment, or part.

ELEMENT USED IN: ***<expdur-entry>, <pi.item>, and <teref-group>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

lvl Specifies the maintenance level
DECLARED VALUE: List (c, o, f, h, l ,d, l)

<maintenance_qar> *Maintenance of Ammunition* – ***DMWR QA***

The quality acceptance requirements for ammunition subject to maintenance addresses ballistic test requirements (BTRs), product defect criteria, or site defect criteria identified in the operation requirements work package(s) to include defect classification or to incorporate appropriate statistical process control (SPC) statements for performing activities.

ELEMENT USED IN: ***<dmwr_qarwp>***

CONTENT MODEL IS: (***para0***+)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<maintenancecategory> *General without PMCS* – ***Information Category – Maintenance***

This element wraps the service upon receipt, personal equipment, maintenance work package and any associated maintenance supporting work packages (torque, manufactured items, aircraft inventory inspection, storage and weight load work packages).

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***surwp****, ***perseqpwp****, (***maintwp*** | ***lubewp*** | ***gen.maintwp***)+, ***%mimsupport;***)

<maintenancepmcscategory> *General with PMCS* – ***Information Category – Maintenance***

This element wraps the service upon receipt, personal equipment, PMCS, maintenance work package and any associated maintenance supporting work packages (torque, manufactured items, aircraft inventory inspection, storage and weight load work packages).

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***surwp****, ***perseqpwp****, ***pmcsintrowp***, ***pmcswp***+, (***maintwp*** | ***lubewp*** | ***gen.maintwp***)+, ***%mimsupport;***)

<maintfunc> *Maintenance Function* – ***Maintenance Allocation Chart***

The maintenance function to be performed on the item listed in the MAC and AVMAC. The maintenance function is entered using the "func" attribute. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avqualify-2lvl>, and <qualify-2lvl>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

func	Specifies the maintenance function
DECLARED VALUE:	List (prepforuse | service |remove | disassem | clean | ndi | repair | replace | align | paint | lube | assem | inspect | install | adjust | calibration | ris | pis | test | pss | mark | arm | other.maintsk | overhaul | rebuild | pack | load | unpack | unload | preserv | tow | jack | park | moor | cover | hoist | sling | extpwr | softwaremaint | none)

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<maintlvl> *Maintenance Level* – ***Identification Information***

An element in the work package identification information that specifies the lowest authorized maintenance level to perform the work package.

ELEMENT USED IN: ***<wpidinfo>***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

%wplevel; Any of the attributes in the associated attribute set may be used with this element. Refer to wplevel for a complete description.

<maintsk> *Tasks* – ***Maintenance***

All the maintenance tasks that are required to maintain any type of equipment are listed under this heading. The last possible task is follow-on maintenance ***<followon.maintsk>***

ELEMENT USED IN: ***<auxeqpwp>, and <maintwp>***

CONTENT MODEL IS: ((***adjust*** | ***align*** | ***arm*** | ***assem*** | ***calibration*** | ***clean*** | ***cover*** | ***disassem*** | ***extpwr*** | ***hoist*** | ***inspect*** | ***install*** | ***jack*** | ***load*** | ***lube*** | ***mark*** | ***moor*** | ***ndi*** | ***other.maintsk*** | ***overhaul*** | ***pack*** | ***paint*** | ***park*** | ***pis*** | ***prepforuse*** | ***preserv*** | ***pss*** | ***rebuild*** | ***remove*** | ***repair*** | ***replace*** | ***ris*** | ***service*** | ***sling*** | ***softwaremaint*** | ***test*** | ***tow*** | ***unload*** | ***unpack***), ***followon.maintsk***?)

<maintwp> *Maintenance* – ***Work Package***

All of the maintenance tasks required to maintain all types of equipment at all maintenance levels are contained within the maintenance work package.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <maintenancecategory>, <maintenancepmcscategory>, <shipmentmovementstoragecategory>, <systembreakdown>, and <testinspectioncategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***maintsk***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<malfunc> *Malfunction – **Troubleshooting***

The element is used as an abnormal indication or condition in response to the troubleshooting test. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<checkstep>, <endblock>, <faultproc>, and <tsindx.symptom-entry>***

CONTENT MODEL IS: (***%text_ent;***)*

REQUIRED ATTRIBUTE(S)

label Specifies the column heading if the presentation format is tabular.
DECLARED VALUE: List (symptom | malfunction)

OPTIONAL ATTRIBUTE(S)

faultcode Specifies the fault code associated with the malfunction.
DECLARED VALUE: Any character

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<manhours> *Man-Hour – **PMCS***

The element is a PMCS entry containing the manhours required to perform lubrication services. Manhours are listed in 6 minute segments (1/10 of an Hour). In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<pmcs-entry>***

CONTENT MODEL IS: (#PCDATA

<manu_items_introwp> *Manufactured items introduction – **Work Package***

This element provides the introductory information and index for locally manufactured items.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <systembreakdown>, <systemref>, and %mimsupport;***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, ***manuindx***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<manuindx> *Index – **Illustrated List of Manufactured Items***

The element contains a list of all manufactured items by either the part number or drawing number and optional nomenclature with the illustration's figure. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<bdartoolswp>, and <manu_items_introwp>***

CONTENT MODEL IS: (***title***?, (***partdesc***, ***wpref***?)+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<manuitem> *Manufactured Item – **Illustrated List of Manufactured Items***

Provides a wrapper for each manufactured item in the work package.

ELEMENT USED IN: ***<manuwp>***

CONTENT MODEL IS: (***proc*** | (***title***?, ***%alert;***, (***graphic*** | ***%p;*** | ***step1*** | ***figure*** | ***table*** | ***material-list*** | ***partdesc***)+))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<manuwp> *Illustrated list of Manufactured Items – **Work Package***

The manufactured items work package includes the scope of the work package, and index of the manufactured items, and illustrations with materials list and text instructions for all -20, -30, -40, and AVUM/AVIM manufactured items. This work package is for -20 or AVUM Level and above only.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <systembreakdown>, <systemref>, and %mimsupport;***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***manuitem***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<map.circle> *Circle* – ***Hot Spot Mapping – Graphic***

Maps a circle hot spot on an illustration, for frame-based presentation. The coordinate forms the circle's center position and the radius is the width of the circle.

ELEMENT USED IN: ***<mapref>***

CONTENT MODEL IS: (***map.coord***)

REQUIRED ATTRIBUTE(S)

radius Radius for circle hot spot in pixels.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

%graphicunit; Any of the attributes in the associated attribute set may be used with this element. Refer to graphicunit for a complete description.

<map.coord> *X and Y Coordinate* – ***Hot Spot Mapping – Graphic***

Defines a hot spot coordinate (X, Y location) on an illustration. Coordinate 0,0 is measured from the lower left-hand corner of the illustration. Using multiple hot spot coordinations to create layovers shapes for linking callouts and/or part information to illustration index numbers or part.

ELEMENT USED IN: ***<map.circle>, <map.polygon>, and <map.rectangle>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

x X-axis (horizontal) coordinate in the specified measurement unit.
DECLARED VALUE: Any character

y Y-axis (vertical) coordinate in the specified measurement unit.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

%graphicunit; Any of the attributes in the associated attribute set may be used with this element. Refer to graphicunit for a complete description.

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<map.polygon> *Polygon* – ***Hot Spot Mapping – Graphic***

Maps a polygon shape hot spot on an illustration, for frame-based presentation. The X and Y coordinates are the polygon's connectors in the order specified.

ELEMENT USED IN: ***<mapref>***

CONTENT MODEL IS: (***map.coord***, ***map.coord***+)

<map.rectangle> *Rectangle* – ***Hot Spot Mapping – Graphic***

Maps a rectangle hot spot on an illustration, for frame-based presentation. The coordinates are the rectangles lower-left and upper-right corners.

ELEMENT USED IN: ***<mapref>***

CONTENT MODEL IS: (***map.coord***, ***map.coord***)

<mapref> *Hot Spot Mapping* – ***Graphic***

The element marks on a graphic hot spot references to part information, etc. The hot spot reference can be a circle, rectangle, or polygon shape.

ELEMENT USED IN: ***<graphic>***

CONTENT MODEL IS: (***map.circle*** | ***map.rectangle*** | ***map.polygon***)

REQUIRED ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

OPTIONAL ATTRIBUTE(S)

partref The illustration index number associated part information reference.
DECLARED VALUE: ID Reference

label Information about the illustration index number. (i.e. part name, NSN, etc.).
DECLARED VALUE: Any character

refdes Reference designator about the illustration index number.
DECLARED VALUE: Any character

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<mark> *Markings* – ***Maintenance Task***

Instructions shall be prepared for marking ammunition and ammunition containers.

Instructions to place identifying information on equipment, ammunition and/or ammunition containers is prepared. Identifying information may be applied by painting or applying decals or identification plates as applicable.

ELEMENT USED IN: ***<ammowp>, <maintsk>, <surtsk>, and %ammo_ent;***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<masterindexcategory> *Master Index* – ***Information Category – Troubleshooting***

For page-based TMs only. When applicable, one troubleshooting malfunction/symptom index work package is prepared for all system/equipment troubleshooting. Additionally a chapter title page is required and is titled "Master Malfunction/Symptom Index".

ELEMENT USED IN: ***<tim>***

CONTENT MODEL IS: (***tsindxwp***)

<material-list> *Material List* – ***Illustrated List of Manufactured Items***

A list of bulk materials needed to manufacture the item. The list of bulk materials contains the nomenclature, partno, CAGEC, quantity, item information reference (work package or specification), the raw bulk material used in manufacturing the item and material description including dimensions.

ELEMENT USED IN: ***<bdar-manuitem>, and <manuitem>***

CONTENT MODEL IS: (***title***?, (***name***, ((***partno***, ***cageno***, ***nsn***?) | (***extref*** | ***link***)), ***qty***?, ***itemref***?)+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<mdc> *Maintenance Data Collection (MDC)* – ***Expression***

Specifies the state (variable) information value to be used for maintenance data collection (MDC) (i.e. MIL-STD-3008). The state

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(variable) information value is stored in the specified MDC variable name and is used in the maintenance records.

ELEMENT USED IN: ***<variable>***

CONTENT MODEL IS: (***mdc.system***, ***mdc.hierarchy***)

<mdc.element> *Element* – ***Maintenance Data Collection (MDC) – Expression***

The MDC system's data element name. The last MDC element in the MDC system hierarchy is where state (variable) information value is stored.

ELEMENT USED IN: ***<mdc.hierarchy>***

CONTENT MODEL IS: (#PCDATA

<mdc.hierarchy> *Element Hierarchy* – ***Maintenance Data Collection (MDC) – Expression***

Defines the MDC element breakdown hierarchy. (i.e., table1.stamp.date would be table1 with child stamp with a child date).

ELEMENT USED IN: ***<mdc>, and <mdc.hierarchy>***

CONTENT MODEL IS: (***mdc.element***, ***mdc.hierarchy***?)

<mdc.system> *System* – ***Maintenance Data Collection (MDC) – Expression***

Defines one or more MDC systems that is collecting the maintenance information (i.e., MIL-STD-3008).

ELEMENT USED IN: ***<mdc>***

CONTENT MODEL IS: (#PCDATA

<memdata> *Memory Data* – ***Signal Item – Troubleshooting***

The data in memory at a specified memory location during a particular pass/fail operational check.

ELEMENT USED IN: ***<dataitem>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<memloc> *Memory Location* – ***Signal Item – Troubleshooting***

A specified memory location during a particular pass/fail operational check.

ELEMENT USED IN: ***<dataitem>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<menu> *Menu* – ***Dialog Box***

The element provides the information for user to select a choice and set state (variable) information value associated with the choice.

ELEMENT USED IN: ***<dialog>, and <dialog-group>***

CONTENT MODEL IS: (***precond***?, ***enable***?, ***prompt***, ***choice***+)

REQUIRED ATTRIBUTE(S)

type Display the choice option items as radio buttons, buttons, or a pull down menu.
DECLARED VALUE: List (radio | button | pulldown)

OPTIONAL ATTRIBUTE(S)

select Single selection or multiple selections.
DECLARED VALUE: List (single | multiple)
DEFAULT VALUE = single

mandatory Selecting a value is required to continue.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = yes

flow Display the selection values as a list or horizontal across.
DECLARED VALUE: List (list | inline)
DEFAULT VALUE = list

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

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<message> *Message* – ***Dialog Box***

The element will present to the user system information, state (variable) information values, or results from evaluations. After acknowledgement, additional action may be specified.

ELEMENT USED IN: ***<diagnostic_group>, <diagnostic_initial>, and <interaction>***

CONTENT MODEL IS: (***title***?, ***messageline***+, ***help.info***?, ***aftermessage***?)

OPTIONAL ATTRIBUTE(S)

button_title Text for the acknowledgement button.
DECLARED VALUE: Any character

DEFAULT VALUE = OK

popup Should it be displayed as a separate popup window or inline with the text.
DECLARED VALUE: "yes" or "no"

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

<messageindx> *Message Index* – ***Troubleshooting***

The element is an index of automated/semi-automated test set messages or bit-code words with message word description. The test set messageword index can be represented as a narrative or tabular format. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<opcheckproc>***

CONTENT MODEL IS: (***title***, ***geninfo***?, ***%alert;***, (***table*** | ***messageitem***+))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<messageitem> *Message Item* – ***Troubleshooting***

The element identifies a test set message word item. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<messageindx>***

CONTENT MODEL IS: (***messageword***, ***para***+, (***%localref;*** | ***action***))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<messageline> *Message Text* – ***Dialog Box***

Presents a single line of text or state (variable) information values.

ELEMENT USED IN: ***<dialog-message>, and <message>***

CONTENT MODEL IS: (***%format;*** | ***variableref***)*

<messageword> *Message Word* – ***Troubleshooting***

The element contains a particular message word or fault code occurring in a fault code reference index. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<faultcode>, <messageitem>, and <tsindx.messageword-entry>***

CONTENT MODEL IS: (#PCDATA

REQUIRED ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

OPTIONAL ATTRIBUTE(S)

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

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<mfrr> *Maintenance Forms, Records, and Reports Statement* – ***General Information***

All maintenance forms, records, and reports are referenced in the manual.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***title***, (***para*** | ***mfrr.para***+))

OPTIONAL ATTRIBUTE(S)

frame Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<mfrr.para> *MFRR Service Specific* – ***General Information***

States, by service, the maintenance forms, records, and reports are referenced.

ELEMENT USED IN: ***<mfrr>***

CONTENT MODEL IS: (***%trimcontent;***)*

REQUIRED ATTRIBUTE(S)

service Identifies the unique service information.
DECLARED VALUE: List (army | af | navy | marines)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<milsprt> *Direct Military Support* – ***Distribution Reason***

Indicates the distribution statement restriction reason as the direct military support and is defined as the document contains export-controlled technical data of such military significance that release for purposes other than direct support of DoD-approved activities may jeopardize an important technological or operational military advantage of the United States. Designation of such data is made by competent authority in accordance with DoD Directive 5230.25 (reference (c)). The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<e.statement>***

CONTENT MODEL IS: EMPTY

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REQUIRED ATTRIBUTE(S)

distreason Distribution reason text for the distribution statement.
DECLARED VALUE: Any character
DEFAULT VALUE = Direct Military Support

<mim> *Maintenance* – ***Information Chapter***

The information chapter is used to prepare maintenance instructions for major weapon systems, and their related systems, subsystems, equipment, weapons replacement assemblies, and shop replacement assemblies. The maintenance is divided into various categories as outlined in MIL-STD-40051-1A and MIL-STD-40051-2A

ELEMENT USED IN: ***<ammo>, <functionhierarchy>, <paper.manual>, <pmi>, and <pms>***

CONTENT MODEL IS: (***titlepg***, (***pmcscategory*** | ***maintenancepmcscategory*** | ***maintenancecategory*** | ***depotcategory*** | ***aviationcategory*** | ***ammunitioncategory*** | ***auxiliarycategory*** | ***pmscategory*** | ***checklistcategory*** | ***testinspectioncategory*** | ***ammomarkingcategory*** | ***shipmentmovementstoragecategory***))

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<minus> *Subtraction* – ***Mathematical Function***

Return the value of the first number minus the second number. The return value is a real unless both numbers are integers.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<mobil-entry> *Entry* – ***Mobilization Requirements***

The element is entry of the mobilization requirement and the work package reference. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<mobiltab>***

CONTENT MODEL IS: ((***%localref;***), ***actionreq***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

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<mobilreq> *Mobilization Requirements*

The requirements for all analysis and procedures that are modified during mobilization are contained within the mobilization requirements.

ELEMENT USED IN: ***<mobilwp>***

CONTENT MODEL IS: (***title***, ***para***, ***mobiltab***?)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<mobiltab> *Standard Information* – ***Mobilization Requirements***

The element contains the requirements for all analysis and procedures that are modified during mobilization. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<mobilreq>***

CONTENT MODEL IS: (***title***, ***mobil-entry***+)

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<mobilwp> *Depot Mobilization Requirements* – ***Work Package***

The mobilization requirements work package includes the scope of work package and requirements to modify, delete, or add data to the DMWR/NMWR during mobilization.

ELEMENT USED IN: ***<depotcategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***%alert;***, ***intro***, ***mobilreq***?)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<mobreq> *Mobilization Requirements Statement* – ***General Information***

A standard statement regarding DMWR/NMWR mobilization requirements is made.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<modelno> *Model Number*

The official equipment or equipment piece model number. Can be used to filter identified work packages or steps for that pertain to the model number.

ELEMENT USED IN: ***<range>, <set>, <single>, <sysnomen>, <systemnomen>, and <titlepg>***

CONTENT MODEL IS: (#PCDATA

<modification> *Modification Work Order Statement* – ***General Information***

Specifies the general information statement about Modification Work Orders (MWO).

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<modreq> *Modifications Required* – ***Preshop Analysis***

Any modification requirements to be included on the Preshop Analysis cover page are contained within this element.

ELEMENT USED IN: ***<coverpage>***

CONTENT MODEL IS: (#PCDATA

<modulus> *Modulus* – ***Mathematical Function***

Returns the integer remainder after the first number is integer-divided by the second number.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

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<moor> *Mooring* – ***Maintenance Task***

A maintenance task containing procedures for mooring or securing the equipment at a site; includes procedures for using tie down cables or other mooring devices.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<mos> *Military Occupation Specialty* – ***Initial Setup***

The element contains the Military Occupation Specialty (MOS) code.

ELEMENT USED IN: ***<persnreq-setup-item>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<mrpl> *Standard Information* – ***Mandatory Replacement Parts List***

The element lists the mandatory replacement parts being referenced in the work package or manual. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<mrplpart>, <mrplwp>, and <supitemwp>***

CONTENT MODEL IS: (***title***, (***mrpl-category***+ | ***mrpl-entry***+))

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<mrpl-category> *Category* – ***Mandatory Replacement Parts List***

If a list is subdivided into parts, for example by subassemblies, the category element is used. After the category element is entered, the category title and the specific entries are entered.

ELEMENT USED IN: ***<mrpl>***

CONTENT MODEL IS: (***title***, ***mrpl-entry***+)

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<mrpl-entry> *Entry – **Mandatory Replacement Parts List***

The element is a mandatory replacement parts list entry that identifies the part. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<mrpl>, and <mrpl-category>***

CONTENT MODEL IS: (***itemno***, ***partno***, ***cageno***, ***nsn***, ***name***, ***qty***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<mrplpart> *Mandatory Replacement Parts – **PMCS***

Lists the mandatory replacement parts used in the PMCS standard information.

ELEMENT USED IN: ***<pmcswp>***

CONTENT MODEL IS: (***title***, ***para***+, ***mrpl***?)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<mrplwp> *Mandatory Replacement Parts List – **Work Package***

This work package contains a lists the mandatory replacement parts referenced in the manual.

ELEMENT USED IN: ***<sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, ***mrpl***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<mtrlpart> *Materials/Parts Required – **Initial Setup***

An element within the work package setup information containing all expendable materials and parts required to perform the procedures in the work package.

ELEMENT USED IN: ***<initial_setup>, and %opttools;***

CONTENT MODEL IS: (***mtrlpart-setup-item***+)

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<mtrlpart-setup-item> *Materials/Parts Required Setup Item* – ***Initial Setup***

The element contains each expendable material or part item in the list.

ELEMENT USED IN: ***<bdar-mtrl-tools>, and <mtrlpart>***

CONTENT MODEL IS: (***name***, ***qty***?, ***itemref***?)

OPTIONAL ATTRIBUTE(S)

%setupatt; Any of the attributes in the associated attribute set may be used with this element. Refer to setupatt for a complete description.

<multioption> *Mulit-Options without State* – ***Dialog Box***

The element displays the selectable options to determine the next action.

ELEMENT USED IN: ***<testwithoutstate>***

CONTENT MODEL IS: (***title***?, ***prompt***, ***option***, ***option***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<muxproc> *Multiplex Read Code Data* – ***Troubleshooting***

This element consist of a method of troubleshooting based on the use of computer generated multiplex (MUX) read code data. The MUX read code data are listed in troubleshooting sequence order by signal name.

ELEMENT USED IN: ***<tsproc>***

CONTENT MODEL IS: (***%alert;***, (***symptom***?, ***signal-item***)+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<mwo> *Modification Work Order – **Effectivity System***

Identifies, by MWO, the equipment effectivity.

ELEMENT USED IN: ***<range>, <set>, and <single>***

CONTENT MODEL IS: (#PCDATA

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<name> *Name*

The element defines the equipment or part nomenclature.

ELEMENT USED IN: ***<ammotype>, <applic>, <author>, <compassem>, <compchklist>, <config-setup-item>, <coverpage>, <csi-entry>, <dcpno>, <expdur-entry>, <kititem>, <material-list>, <mrpl-entry>, <mtrlpart-setup-item>, <orsch.entry>, <partdesc>, <persnreq-setup-item>, <pi.item>, <proponent>, <pubident>, <sendparameter>, <sysnomen>, <systemnomen>, <teref-group>, <testeqp-setup-item>, <titlepg>, <tool-entry>, <tools-setup-item>, and <tsindx.system-entry>***

CONTENT MODEL IS: (***%data;*** | ***brk***)*

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<natowp> *Foreign Ammunition (NATO)* – ***Work Package***

The foreign ammunition work package contains the special requirements for foreign (NATO) ammunition marking, classification, identification, handling, transportation, preparation for firing and other similar data.

ELEMENT USED IN: ***<ammunitioncategory>, and <systembreakdown>***

CONTENT MODEL IS: (***%ammo_ent;***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<ndi> *Non-Destructive Inspection (NDTI)* – ***Maintenance Task***

A maintenance task containing procedures for inspecting an item using a special method that will not damage the item but will show a hard to find defect.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<ne> *Not Equal* – ***Boolean – Expression***

The element returns a "True" value if the first value is not equal to the second value, otherwise returns a "False" value.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<neg> *Negative* – ***Mathematical Function***

Returns the negative number value.

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: EMPTY

<nha_item> *Next Higher Assembly Part Number Item* – ***Parts Information***

Points to the next higher assembly (part information) to the current part.

ELEMENT USED IN: ***<pi.item>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

nha.ref Points to the next higher assembly unique Identifier.
DECLARED VALUE: ID Reference

<niin> *National Item Identification Number (NIIN)*

National Item Identification Number (NIIN) is a nine-digit code that identifies each item of supply (last nine-digits in the NSN). The first two numbers of the NIIN represent the National Codification Bureau Code. This code identifies the country that entered the item into the supply system. The remaining seven digits are sequentially assigned and serve to individually identify each item in the Federal Catalog System (FCS).

ELEMENT USED IN: ***<nsn>***

CONTENT MODEL IS: (#PCDATA

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<nil> *NIL – **Value Type***

The element when assigned to a state (variable) information will clear any value and causes state (variable) information to be empty.

ELEMENT USED IN: ***%variable_ent;***

CONTENT MODEL IS: EMPTY

<no> *No Result without State (Variable) Information – **Dialog Box***

The element contains the actions when a no selection is used in simple selection dialog box.

ELEMENT USED IN: ***<simple>, %frameatt;, %graphicatt;, %hcpesd;, %imatt;, %no_att;, %qa;, %taskatt;, %tracking_att;, %wpatt;, %wprsrc-vals;, %yes_att;, and %yesorno;***

CONTENT MODEL IS: (***resultwithoutstate***)

<nomenreflist> *Nomenclature Cross-Reference List – **General Information***

Any unofficial nomenclature approved by the contracting activity is included in the nomenclature cross-reference list.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<nonrepairable> *Nonrepairable – **Inspection Criteria for Packaging***

The element is used to specify when the component/assembly is non-repairable.

ELEMENT USED IN: ***<accpt-rpbl-nonrpbl-entry>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

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<nostate> *No Result with State (Variable) Information – **Dialog Box***

When a negative selection is chosen, the element sets the state (variable) information value to determine the next action.

ELEMENT USED IN: ***<binarymenu>***

CONTENT MODEL IS: (***%statemanipulation_ent;***)+

OPTIONAL ATTRIBUTE(S)

default Is the option preselected?
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

<not> *Negate – **Boolean – Evaluation***

The element returns negative Boolean expression value. Returns True if the expression is False, otherwise returns False when the expression is True.

ELEMENT USED IN: ***<applic>, and %unop;***

CONTENT MODEL IS: EMPTY

<note> *Note – **Alert***

A procedure, condition, or statement that is important enough to highlight as a note.

ELEMENT USED IN: ***<ctrlinddesc>, <ctrlindrow>, <entry>, <item>, <loepwp>, <para0>, <pm.warning.data>, <pmi-cklistwp>, <specpara>, <subpara1>, <subpara2>, <subpara3>, <subpara4>, %alert;, and %mixparagraph;***

CONTENT MODEL IS: ((***note.group***, ***note.group***+) | ((***trim.para***, ***seqlist***?)+ | ***seqlist***))

OPTIONAL ATTRIBUTE(S)

acknowledge Does the note require acknowledgement from the user?
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<note.group> *Note Group – **Alert***

Narrative for multiple notes grouped into a single note item.

ELEMENT USED IN: ***<note>***

CONTENT MODEL IS: ((***trim.para***, ***seqlist***?)+ | ***seqlist***)

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OPTIONAL ATTRIBUTE(S)

acknowledge Does the note require acknowledgement from the user?
DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = no

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<notices> *Official Notices*

This element contains any notices that appear on the TM front cover, change sheet, or title block page.

ELEMENT USED IN: ***<chgsheet>, <frntcover>, <frntcover_abbreviated>, and <titleblk>***

CONTENT MODEL IS: (***avail***?, ***super***?, ***dist***, ***export***?, ***destr***?, ***general_purpose_notices****)

<nsn> *National Stock Number*

The element identifies the item's national stock number (NSN). The NSN is broken into the Federal Stock Classification (FSC) Code (the first four-digits) and National Item Identification Number (NIIN) (the last nine-digits).

ELEMENT USED IN: ***<aal-entry>, <applic>, <bii-entry>, <bii-opt-entry>, <coei-entry>, <coei-opt-entry>, <compchklist>, <coverpage>, <expdur-entry>, <material-list>, <mrpl-entry>, <nsnindxrow>, <pi.item>, <sysnomen>, <systemnomen>, <teref-group>, <titlepg>, and <tool-entry>***

CONTENT MODEL IS: (***fsc***, ***niin***)

<nsnindx> *Standard Information* – ***National Stock Number Index***

A cross reference listing of National Stock Number(s) (NSN) with illustration numbers and callout. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<nsnindxwp>***

CONTENT MODEL IS: (***nsnindxrow***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<nsnindxrow> *Entry – **National Stock Number Index***

The element is the NSN index entry containing the figures where the NSN is used. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<nsnindx>***

CONTENT MODEL IS: (***nsn***, ***callout***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<nsnindxwp> *National Stock Number Index – **Work Package***

The National Stock Number (NSN) index work package contains an index that lists the NSNs and each referenced figure number, and item number in the parts information work packages. The NSN are sequenced by the National Item Identification Number (NIIN).

ELEMENT USED IN: ***<pim>, and <systemhierarchy>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***nsnindx***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<null> *Null*

The element specifically indicates the no content and marking is identified by it's attribute.

ELEMENT USED IN: ***<initial_setup>, and %misc;***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

insert Specifies what material is inserted in the table cell containing the null element, i.e., "NA," "NR," a long dash, classified status, or no insertion.

DECLARED VALUE: List (NA | NR | dash | secure | none)

DEFAULT VALUE = none

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<numrange> *Number Range* – ***Fill-In – Dialog Box***

The element specifies the inputted value must be equal or between the numeric range. The options are minimum value or higher, maximum value or lower, and between the minimum and maximum values.

ELEMENT USED IN: ***<fillin>***

CONTENT MODEL IS: (***low-bound*** | ***double-bound*** | ***high-bound***)

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<o> *Field Service/AMC Hours* – ***2 Maintenance Level – Maintenance Allocation Chart***

Grouping of the work time for field service or AMC (aviation only) maintenance level (O). In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avmaintclass-2lvl>***

CONTENT MODEL IS: (#PCDATA

<odsdata> *Ozone Depleting Substances Statement* – ***General Information***

A listing of the ozone depleting substances that are prohibited.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<oipitem> *Entry* – ***Overhaul Inspection Procedure***

The element is each Overhaul Inspection Procedure entry. A Quality Assurance (QA) acronym is display as the first item to identify the characteristics has a major qualify assurance effect. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<oiptab>***

CONTENT MODEL IS: (***itemno***, ***callout***?, ***desc***, ***insp-method***, ***actionreq***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%qa; Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.

<oiptab> *Standard Information* – ***Overhaul Inspection Procedures***

This element contains the overhaul inspection procedures list items.

ELEMENT USED IN: ***<oipwp>***

CONTENT MODEL IS: (***title***, (***%alert;***, ***oipitem***)+)

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OPTIONAL ATTRIBUTE(S)

%stdinfoatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<oipwp> *Overhaul Inspection Procedure* – ***Work Package***

The work package contains the overhaul inspection procedures (OIPs) for items that have parts with specific characteristics, wear limits, specified performance requirements, or fatigue characteristics. Depot only.

ELEMENT USED IN: ***<depotcategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***%alert;***, (***geninfo***?, ((***oiptab*** | ***table***), ***figure****)+)+)

OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<oktext> *Fault OK Text* – ***Fault – Expression***

The element contains the narrative when fault condition is not the problem or OK.

ELEMENT USED IN: ***<fault>***

CONTENT MODEL IS: (***%text_ent;***)*

<on-board-spares> *On-Board Spares* – ***Option A – Components of End Item***

Lists and defines the equipment on-board spares. COEI option A has all the graphics before the information listing.

ELEMENT USED IN: ***<coeitab>***

CONTENT MODEL IS: (***title***, ***coei-entry***+)

<on-board-spares-opt> *On-Board Spares* – ***Option B – Components of End Item***

Lists and defines the equipment on-board spares. COEI option B has the graphics inline with the information listing.

ELEMENT USED IN: ***<coei-opt>***

CONTENT MODEL IS: (***title***, ***coei-opt-entry***+)

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<opcheck> *Operational Checkout Testing* – ***Troubleshooting***

The element contains an ordered set of operational test procedures to obtain results that will point the user to detailed troubleshooting procedure work package. The operational checkout test can be represented in narrative or tabular format.

ELEMENT USED IN: ***<opcheckproc>***

CONTENT MODEL IS: (***title***?, ***%alert;***, ***testproc***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<opcheckproc> *Procedures* – ***Operation Checkout – Troubleshooting***

An operational checkout procedure(s) based on the system, equipment, or assembly/subassembly type being addressed in the work package.

ELEMENT USED IN: ***<opcheckwp>***

CONTENT MODEL IS: (***opcheck*** | ***messageindx*** | ***faultreports***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<opcheck-tsproc> *Procedure* – ***Operational Testing Troubleshooting – Troubleshooting***

A troubleshooting method that contains both operational checkout and troubleshooting procedures that are followed by a normal indication or response and the corrective action for when an abnormal indication is encountered.

ELEMENT USED IN: ***<opcheck-tswp>***

CONTENT MODEL IS: (***title***?, ***%alert;***, ***testproc***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<opcheck-tswp> *Combined Operational Checkout and Troubleshooting* – ***Work Package***

The work package contains a combined operational checkout and troubleshooting procedures to verify proper operation to prescribed

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standards and for detecting, isolating, and correcting system and equipment failures and malfunctions.

ELEMENT USED IN: ***<systembreakdown>, <troubleaviationcategory>, <troublecategory>, and <troubledmwrnmwrcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***intro***?, (***%tsdata;*** | ***para***)*, ((***hookup***, ***opcheck-tsproc***, ***disconnect***) | ***opcheck-tsproc***), ***followon.maintsk***?)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<opcheckwp> *Operational Checkout* – ***Work Package***

The work package contains operational checkout procedures that subject prescribed conditions to determine that they will function in accordance with predetermined test parameters.

ELEMENT USED IN: ***<systembreakdown>, <troubleaviationcategory>, <troublecategory>, and <troubledmwrnmwrcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***intro***?, (***%tsdata;*** | ***para***)*, ((***hookup***, ***opcheckproc***, ***disconnect***) | ***opcheckproc***), ***followon.maintsk***?)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<oper> *Operating Procedures* – ***Operator Task***

An operational task containing all procedures to start the equipment, operate the equipment, place the equipment in standby, or shutdown the equipment. Also includes the operating procedure for auxiliary equipment required to operate or support the primary equipment.

ELEMENT USED IN: ***<opertsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<operaux> *Operating Auxiliary Equipment* – ***Operator Task***

An operational task containing procedures to start the auxiliary equipment, operate it, place it in standby or shutdown. If procedures are in another TM, this paragraph may make reference to that TM for operating procedures.

ELEMENT USED IN: ***<opertsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<opertsk> *Under Usual Conditions* – ***Operational Tasks***

All operational tasks required in the operations under usual conditions work package are contained within this element.

ELEMENT USED IN: ***<opusualwp>***

CONTENT MODEL IS: ((***initial*** | ***oper*** | ***operaux*** | ***prepforuse*** | ***prepmove*** | ***secref*** | ***shelter*** | ***site***), ***instructplt****)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<opim> *Operating Instructions* – ***Information Chapter***

The information chapter is used to prepare operating instructions for major weapon systems, and their related systems, subsystems, equipment, weapons replacement assemblies, and shop replacement assemblies. The information chapter is used to prepare operating instructions for major weapon systems, and their related systems, subsystems, equipment, weapons replacement assemblies, and shop replacement assemblies.

ELEMENT USED IN: ***<ammo>, <functionhierarchy>, and <paper.manual>***

CONTENT MODEL IS: (***titlepg***, ***ctrlindwp***+, ***opusualwp***+, ***opunuwp***+, ***emergencywp****, ***stowagewp****, ***eqploadwp****)

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

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<op_steps> *Operational Steps* – ***DMWR Demilitarized***

Specific operational steps, which are to include warnings, cautions, and notes, are developed.

ELEMENT USED IN: ***<dmwr_operationalreqwp>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<option> *Option* – ***Menu Choice without State (Variable) Information – Dialog Box***

The element contains the option's narrative text to display and when selected the would conduct the prescribed actions.

ELEMENT USED IN: ***<multioption>***

CONTENT MODEL IS: (***text***, ***resultwithoutstate***)

OPTIONAL ATTRIBUTE(S)

default Is this option the default selection.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = No

<opunutsk> *Under Unusual Conditions* – ***Operational Tasks***

All operational tasks required to operate the equipment under unusual conditions are contained within this element (i.e., fording, decontamination).

ELEMENT USED IN: ***<opunuwp>***

CONTENT MODEL IS: ((***decon*** | ***degraded*** | ***ecm*** | ***fording*** | ***secref*** | ***unusualenv***), ***instructplt****)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<opunuwp> *Operating Under Unusual Conditions* – ***Work Package***

The work package contains step-by-step instructions for equipment and auxiliary equipment operation in all under unusual condition modes.

ELEMENT USED IN: ***<opim>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***opunutsk***)

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OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<opusualwp> *Operating Under Usual Conditions* – ***Work Package***

The work package contains step-by-step instructions for equipment and auxiliary equipment operation in operation under usual or normal conditions modes.

ELEMENT USED IN: ***<opim>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***opertsk***)

OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<or> *Or* – ***Boolean – Evaluation***

The Boolean "OR" function returns a "True" value if one or the other expressions are "True", otherwise returns "False" if both expressions are "False".

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<origin> *Point of Origin* – ***Logic Tree – Troubleshooting***

The element is used for the logical procedural table/diagram point of origin in a troubleshooting procedure. The element is the same as logical test block, but with no linkage with any previous logical test blocks. This element contains test procedures, which lead to an indication or condition. Based on the indication or condition, a response is provided to determine the next action.

ELEMENT USED IN: ***<logicproc>***

CONTENT MODEL IS: (***%alert;***, ***test***+, ***indication***, ***answer***, ***answer***+)

REQUIRED ATTRIBUTE(S)

branchto	References identifier(s) of branch or branches to which the user should proceed, which may depend on the outcome of any test or procedure at point of origin.
DECLARED VALUE:	ID Reference (one or more)

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origin Specifies unique identifier of the path beginning at the origin.
DECLARED VALUE: ID

OPTIONAL ATTRIBUTE(S)

branchlabel Supplies an explicit reference to a branch.
DECLARED VALUE: Any character

type Specifies the logical value associated with the current element. This value may be displayed in either paper or electronic display
DECLARED VALUE: List (yes | no | pass | fail | true | nottrue | value | unantic (unanticapted))

valueloc Specifies the location (usually other properties) which supplies the value of the current property.
DECLARED VALUE: Name (one or more)

valuetype Specifies the form of the value in any value-related attribute.
DECLARED VALUE: List (boolean, string, real, integer, float, sequence, set, nil, input, outcome)

value Supplies an alphanumeric or numeric value if attribute "type" is "value".
DECLARED VALUE: Any character

<orsch> *Overhaul and Retirement Schedule* – ***Maintenance Task***

A maintenance task containing a list of equipment and their overhaul/retirement schedule.

ELEMENT USED IN: ***<orschwp>***

CONTENT MODEL IS: (***title***, ***intro***, ***orsch.tab***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<orsch.entry> *Entry* – ***Overhaul and Retirement Schedule***

The overhaul and retirement schedule entry contains the part name and number, overhaul interval, and retirement interval. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<orsch.tab>***

CONTENT MODEL IS: (***name***, ***orsch.interval.entry***+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

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<orsch.interval.entry> *Interval Entry* – ***Overhaul and Retirement Schedule***

The overhaul and retirement schedule entry will contain part number, CAGEC, overhaul interval hours, overhaul interval notes, retirement interval hours, and retirement interval notes. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<orsch.entry>***

CONTENT MODEL IS: (***%partid;***, ***overhaul.interval***?, ***retirement.interval***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<orsch.tab> *Standard Information* – ***Overhaul and Retirement Schedule***

The overhaul/retirement schedule contains part's information, and overhaul and retirement schedules. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<orsch>***

CONTENT MODEL IS: (***title***, ***orsch.entry***+)

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<orschwp> *Overhaul and Retirement Schedule* – ***Work Package***

A work package identifying the criteria to overhaul or retire an aircraft or aircraft components.

ELEMENT USED IN: ***<aviationcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***orsch***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<other.maintsk> *Additional Maintenance* – ***Maintenance Task.***

The element is used for maintenance tasks not specifically identified in the maintenance task list. If this element is used, the user needs to contact LOGSA and provide requirements for this maintenance task.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<other.surtsk> *Additional Service Upon Receipt* – ***Maintenance Task.***

The element is used for service upon receipt tasks not specifically identified in the service upon receipt task list. If this element is used, the user needs to contact LOGSA and provide requirements for this service upon receipt task.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<overallsystem> *Overall System Information* – ***System Hierarchy***

The element defines the work packages used overall for the equipment in a system/subsystem hierarchy manual.

ELEMENT USED IN: ***<systemhierarchy>***

CONTENT MODEL IS: (***title***, (***promulgation*** | ***promulgation-alt***+)*, (***warnsum*** | ***warnsum-alt***+)?, (***howtouse*** | ***howtouse-alt***+), ***ginfowp***, ***pmcsintrowp***?, ***pmcswp***?, ***descwp****, ***thrywp****, ***ctrlindwp****, ***tsintrowp***?, ***tsindxwp***?)

<overhaul> – ***Maintenance Task***

Instructions are prepared to restore an item to a completely serviceable/operational condition as required by maintenance standards in the appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to a like new condition.

CONTENT MODEL IS: (***proc***)

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OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<overhaul.interval> *Overhaul Interval* – ***Overhaul and Retirement Schedule***

An element for the maximum operating time allowed on the part before being overhauled and any notes.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

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<pack> *Ammunition Packing – **Maintenance Task***

Instructions are prepared detailing how to place an item into a container for either storage or shipment after service and other maintenance operations have been completed.

For munitions

(1) Any special sequence of action necessary to protect the ammunition.

(2) If a specially designed reusable container is involved for either the end item or components that are authorized for replacement, instruction sare prepared to report or reenter the empty container through supply channels.

(3) Instructions are prepared on how to package defective ammunition.

ELEMENT USED IN: ***<ammowp>, <maintsk>, <surtsk>, and %ammo_ent;***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<pageno> *Page Number*

The element is used to enter a manual page number for change list and an index entry.

ELEMENT USED IN: ***<chghistory>, <indexentry>, and %referencetype;***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%idrefs; Any of the attributes in the associated attribute set may be used with this element. Refer to idrefs for a complete description.

<paint> *Painting – **Maintenance Task***

A maintenance task containing procedures for painting. References to applicable documents that contain these procedures may be made.

ELEMENT USED IN: ***<ammowp>, and <maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<paper.frnt> *Page-Base – **Front Matter***

The page-based technical manual front matter occurs before the manual's first work package. Format style and requirements are prepared IAW MIL-STD-40051-2.

ELEMENT USED IN: ***<ammo>, <bdar>, <destruction_manual>, <dmwr_ammo>, <paper.manual>, <pmi>, <pms>, and <sys-ts>***

CONTENT MODEL IS: (***frntcover***, ***promulgation****, ***warnsum***?, ***chgsheet***?, ***loepwp***, ***titleblk***, ***contents***?, ***howtouse***?)

<paper.manual> *Page-Base – **Manual***

The element is for all standard page-based technical manuals. Format style and requirements are prepared IAW MIL-STD-40051-2.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***paper.frnt***, ((***gim***, ***%volumegroup;***, (***opim***, ***%volumegroup;***)*, ((***tim***, ***%volumegroup;***)?, (***mim***, ***%volumegroup;***)?)+, (***pim***, ***%volumegroup;***)?, (***dim***, ***%volumegroup;***)?, ***sim***) | ***pim***), ***rear***)

REQUIRED ATTRIBUTE(S)

maintitl Supplies a literal version of the maintenance-level title.
DECLARED VALUE: Any character

maintlvls Specifies the maintenance level(s) authorized to use this manual; this attribute value is used in the style sheet to supply the literal expression of the TM's maintenance level.
DECLARED VALUE: List (10, 12, 13, 14, 20, 23, 24, 30, 34, 40, avum-avim, dmwr, nmwr, na (Not Applicable))

revno The revision number of the overall manual.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Specifies the technical manual publication number
DECLARED VALUE: Any character

rpstl Specifies whether or not the manual includes a RPSTL among its appendixes.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

dmwr-inclus Specifies whether a DMWR/NMWR includes parts only or parts and tools.
DECLARED VALUE: List (parts | parts-tools)

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multivolume **DECLARED VALUE:**	Specifies the technical manual publication has multiple volumes "yes" or "no"
DEFAULT VALUE =	No
%paper.size;	Any of the attributes in the associated attribute set may be used with this element. Refer to paper.size for a complete description.
%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<para> *Paragraph Text*

A narrative paragraph text and may contain embedded inline elements IETM interaction, graphics, lists, tables, and figures.

ELEMENT USED IN: ***<authorize_to_destroy>, <bdar-repair-option>, <ctrlindproc>, <def>, <definitions>, <destr>, <disconnect>, <explistwp>, <follow-on>, <gen.maintwp>, <hazard>, <help.info>, <hookup>, <instructplt>, <messageitem>, <mfrr>, <mobilreq>, <mrplpart>, <opcheck-tswp>, <opcheckwp>, <para0>, <pms-para>, <proc>, <report_destruct>, <reporting>, <resultwithoutstate>, <resultwithstate>, <revisionsummary>, <specpara>, <subpara1>, <subpara2>, <subpara3>, <subpara4>, <substitute-matwp>, <super>, <tsintrowp>, <tswp>, <warninfo>, <warnsum>, %mixparagraph;, and %p;***

CONTENT MODEL IS: (***%trimcontent;*** | ***%list;*** | ***figure*** | ***figure-alt*** | ***inlinegraphic*** | ***table*** | ***table-alt*** | ***verbatim*** | ***interaction*** | ***%statemanipulation_ent;***)*

OPTIONAL ATTRIBUTE(S)

%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<para0> *Primary Level – **Titled Paragraph***

The element is nonprocedural data (i.e., description, theory, general information, etc.) at the first or top level hierarchy for titled paragraph narrative. Nonprocedural data does not permit warnings and cautions. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<demil_qar>, <disposition>, <equipment>, <erc>, <gen_hazards>, <haz_analysis>, <intro>, <maintenance_qar>, <para0-alt>, <rcrr>, <reporting_req>, <resource_recovery>, <sfty_req>, <spec_hazards>, <special_sfty>, <tabdata>, <work_planning>, and %para0_ent;***

CONTENT MODEL IS: (***precond***?, ***title***, ((***subpara1*** | ***subpara1-alt***)+ | ((***csi.alert****, ***note****, ***para***)+, (***subpara1*** | ***subpara1-alt***)*)))

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OPTIONAL ATTRIBUTE(S)

crewmember The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.

DECLARED VALUE: Any character

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

<para0-alt> *Primary Level* – ***Conditional – Titled Paragraph***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<intro>, and %para0_ent;***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<park> *Parking* – ***Maintenance Task***

A maintenance task containing parking the equipment at a site procedures that includes use of parking brakes, control locks, and chocks.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<part.breakdown.ref> *Next Lower Functional Group Reference – **Parts Information***

The element is used to reference the next lower level functional group the part item. A RPSTL (Repair Parts, Kits, or Special Tool Parts) list Work Package would be created for each lower functional group. The element references the RPSTL list Work Package attribute wpno, thus providing the ability to display the other functional group parts' information and figure, and produce complete RPSTL page-base output.

ELEMENT USED IN: ***<pi.item>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

idref Reference to the associated part list work package identifier.
DECLARED VALUE: ID Reference

<partcage> *Part Number and CAGEC Group – **Tool Identification***

The element groups the part number and CAGEC for when a tool has multiple numbers.

ELEMENT USED IN: ***<tool-entry>***

CONTENT MODEL IS: (***partno***, ***cageno***)

OPTIONAL ATTRIBUTE(S)

%refs; Any of the attributes in the associated attribute set may be used with this element. Refer to refs for a complete description.

<partdesc> *Part Description – **Illustration of Manufactured Parts***

The element includes either the part number and optional drawing number reference; or the drawing number reference, and manufactured part nomenclature. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<bdar-manuitem>, <manuindx>, and <manuitem>***

CONTENT MODEL IS: (((***partno***, ***cageno***, ***dwgno***?) | ***dwgno***), ***name***)

<partno> *Part Number*

The element is the commercial part number.

ELEMENT USED IN: ***<compchklist>, <coverpage>, <csi-entry>, <dcpno>, <expdur-entry>, <fncgrp>, <material-list>, <mrpl-entry>, <partcage>, <partdesc>, <pi.item>, <pnindxrow>, <sysnomen>, <titlepg>, <tool-entry>, and %partid;***

CONTENT MODEL IS: (#PCDATA

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OPTIONAL ATTRIBUTE(S)

%refs;	Any of the attributes in the associated attribute set may be used with this element. Refer to refs for a complete description.

<pecul.insp-entry> *Entry* – ***Checking Unpacked Equipment Components***

The element is an item entry for Checking Unpacked Equipment Components. The element contains the inspection item locations, inspected item , and procedure how to inspect and any actions. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<pecul.insp-group>***

CONTENT MODEL IS: (***eqpitem***, ***pecul.step-entry***+)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<pecul.insp-group> *Component/Assemble Grouping* – ***Checking Unpacked Equipment Components***

The element groups the Checking Unpacked Equipment Components requirements for each component/assemble to be inspected. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<pecul.insp.tab>***

CONTENT MODEL IS: (***compassem***, ***pecul.insp-entry***+)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<pecul.insp.tab> *Standard Information* – ***Checking Unpacked Equipment Components***

The element contains the required elements for the Checking Unpacked Equipment Components standard information for equipment components used in checking unpacked equipment. In page-based, this element functions as the table element.

ELEMENT USED IN: ***%chkeqpstdinfo;***

CONTENT MODEL IS: (***title***, ***pecul.insp-group***+)

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OPTIONAL ATTRIBUTE(S)

%stdinfoatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<pecul.step-entry> *Step Entry* – ***Checking Unpacked Equipment Components***

The element contains the Checking Unpacked Equipment Components steps with any remarks concerning the inspection or actions. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<pecul.insp-entry>***

CONTENT MODEL IS: (***%step;***, ***remarks***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<perseqpwp> *Equipment/User Fitting Instructions* – ***Work Package***

Identifies an equipment/user fitting instructions work package.

ELEMENT USED IN: ***<aviationcategory>, <maintenancecategory>, <maintenancepm-cscategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***proc***)

OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<persnreq> *Personnel Required* – ***Initial Setup***

An element that groups each personnel required item in initial setup.

ELEMENT USED IN: ***<initial_setup>, and %optmtrlpart;***

CONTENT MODEL IS: (***persnreq-setup-item***+)

<persnreq-setup-item> *Personnel Required Setup Item* – ***Initial Setup***

An element in the initial setup containing the personnel required to perform the tasks in the work package. When only certain MOS code(s) are required to perform the task is the MOS code entered. When only one person is needed, the quantity may be excluded or entered as "1".

ELEMENT USED IN: ***<bdar-persn-item>, and <persnreq>***

CONTENT MODEL IS: (***name***, ***mos***?, ***qty***?)

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OPTIONAL ATTRIBUTE(S)

%setupatt; Any of the attributes in the associated attribute set may be used with this element. Refer to setupatt for a complete description.

<phone> *Telephone Number* – ***Address***

Phone number contact information. The phone number is identifies the connection type and either voice or fax phone number.

ELEMENT USED IN: ***<address>, <ftnpara>, and %trimcontent;***

CONTENT MODEL IS: (#PCDATA

REQUIRED ATTRIBUTE(S)

type The phone number type.
DECLARED VALUE: List (DSN (dsn), Commercial (coml), Cellular (cell), Other (other))

OPTIONAL ATTRIBUTE(S)

receive The phone receives fax or voice.
DECLARED VALUE: List (voice | fax)
DEFAULT VALUE = voice

other If chose type="other" specify the other phone type.
DECLARED VALUE: Any character

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<pi.category> *Functional Group Category* – ***Parts Information***

When a functional group is very large (i.e., Airframe), the part information may be separated into specific categories within the same functional group. After the category element is entered, the specific part information entries are entered; there may be more than one category in the parts information list.

ELEMENT USED IN: ***<kitswp>, <pi.item>, <plwp>, <stl_partswp>, and <stlwp>***

CONTENT MODEL IS: (***figure***, ***fncgrp***, ***pi.item***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<pi.item> *Entry* – ***Parts Information***

The element identifies the part's information. The required fields are quantity, SMR(s), part number, CAGEC, nomenclature, and description.

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The optional fields are next higher assembly reference(s), reference to the next level part list work package, functional group part list category, item number/figure reference, NSN, UOC, BOI, serial number effectivity list, quantity per end item (USMC), unit of issue (i.e., each, gallon, dozen, etc.), tool reference, reference designator, lowest maintenance level applicable, indentured or subcomponent parts information, and kit components.

ELEMENT USED IN: ***<bulk_itemswp>, <pi.category>, and <pi.item>***

CONTENT MODEL IS: ((***nha_item***?, ***callout***?, (***uoc***+ | ***boi*** | ***usbefserno***+)?, ***qty***)+, ((***smr***+, ***nsn***?, ***partno***, ***cageno***, ***name***, ***desc***, ***qty_per_end_item***?, ***ui***?, (***%extref_ent;***)?, ***refdes***?, ***maintenance***?) | ***common_part_ref***), (***pi.item***+ | ***kititem***+ | ***pi.category*** | ***part.breakdown.ref***)?)

OPTIONAL ATTRIBUTE(S)

id
Specifies the unique identifier of the part information name.
DECLARED VALUE: ID

indent
Defines the indenture level in the functional group part listing. The number in page-base TMs to display the number of dots.
DECLARED VALUE: Any character
DEFAULT VALUE = 0

type
Defines the information is for a part, expendable durable item, COEI item, BII item, AAL item, tool or special tool.
DECLARED VALUE: List (part | exp | coei | bii | aal | tool | special.tool)
DEFAULT VALUE = part

hci
Identifies the items or parts as hardness critical items.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

esd
Identify the items or parts as electrostatic discharge sensitive parts.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

fscap
Identify the items or parts as flight safety critical aircraft parts.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

mrp
Identify the items or parts as mandatory replacement parts.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

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csi Identify the items or parts as a critical safety item (CSI).

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = No

tereq Identify the items or parts as tools and test equipment related to the Maintenance Allocation Chart (MAC)..

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = No

<pim> *Repair Parts and Special Tools List (RPSTL)* – ***Information Chapter***

The information chapter is used to prepare Parts Information or Repair Parts and Special Tools Lists (RPSTLs) for major weapon systems, and their related systems, subsystems, equipment, weapons replacement assemblies, and shop replacement assemblies.

ELEMENT USED IN: ***<functionhierarchy>, and <paper.manual>***

CONTENT MODEL IS: (***titlepg***, (***introwp***, (***plwp***, ***%volumegroup;***)+, (***stl_partswp***, ***%volumegroup;***)?, (***kitswp***, ***%volumegroup;***)*, (***bulk_itemswp***, ***%volumegroup;***)*, (***stlwp***, ***%volumegroup;***)*, ((***nsnindxwp***, ***pnindxwp***), ***refdesindxwp***?, ***vol-rear***?)?))

REQUIRED ATTRIBUTE(S)

dmwr-inclus Specifies what should be included in the DMWR.

DECLARED VALUE: List (parts, part-tools, none)

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<pis> *Placing in Service* – ***Maintenance Task***

A maintenance task for removal of an item from storage, installation, final servicing checks, calibration, testing or any other procedure required to place an item in service that is not covered elsewhere.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<plus> *Addition* – ***Mathematical Function***

Return the value of the first number plus the second number. The return value is a real unless both numbers are integers.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<plwp> *Repair Parts List* – ***Work Package***

The repair parts list work package contains lists and illustrations of all repair parts in accordance with the functional group code.

ELEMENT USED IN: ***<pim>, and <systemhierarchy>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***pi.category***+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<pmcswp> *Preventive Maintenance Checks and Services* – ***Work Package***

All the required data to perform Preventive Maintenance Checks and Services (PMCS) on the equipment is contained in the work package.

ELEMENT USED IN: ***<maintenancepmcscategory>, <overallsystem>, <pmcscategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***pmcstable***+, ***mrplpart***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<pm-ginfowp> *Phased Maintenance Checklist Introductory* – ***Work Package***

The introductory material for phased maintenance inspections is contained within this work package.

ELEMENT USED IN: ***<pmi>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***geninfo***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<pm.warning.data> *Warning and Note Data – **Title Block – Phased Maintenance***

The phased maintenance technical manual title block contains mandatory verbatim warning and note data.

ELEMENT USED IN: ***<titleblk>***

CONTENT MODEL IS: (***warning***, ***note***)

<pmc> *Preventive Maintenance Checklist (PMC)*

Preparation of a page-based operator's pocket-size Preventive Maintenance Checklist (PMC) for major weapon systems and their related systems, subsystems, equipment, WRAs, and SRAs.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***frntcover_abbreviated***, ***pmcstable***)

REQUIRED ATTRIBUTE(S)

maintitl Supplies a literal version of the maintenance-level title.
DECLARED VALUE: Any character

maintlvls Specifies the maintenance level authorized to use this manual; this attribute value is used in the style sheet to supply the literal expression of the TM's maintenance level.
DECLARED VALUE: List (PMC)

revno The revision number of the overall manual.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Specifies the technical manual publication number
DECLARED VALUE: Any character

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<pmcs-entry> *Entry – **PMCS***

Identifies the detailed requirements for each PMCS entry. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<pmcstable>***

CONTENT MODEL IS: (***itemno***, ***interval***+, ***manhours***?, ***checked***, ***pmcsproc***+)

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OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<pmcs-intervals> *Define Intervals* – ***PMCS***

The element contains the defines the various PMCS intervals used in this PMCS standard information. The information can be used to determine the available PMCS interval types and filter the intervals not needed during the inspection. The information is not shown to the user, except for filtering options.

ELEMENT USED IN: ***<pmcstable>***

CONTENT MODEL IS: (***interval***+)

<pmcscategory> *PMCS Only* – ***Information Category – Maintenance***

The maintenance information category only includes PMCS introduction work package and PMCS standard information work package(s). The PMCS category may maintain all the PMCS information together and be the first maintenance work package presented.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***pmcsintrowp***, ***pmcswp***+)

<pmcsintrowp> *PMCS Introduction* – ***Work Package***

The PMCS introduction explains the purpose and use of the PMCS standard information.

ELEMENT USED IN: ***<maintenancepmcscategory>, <overallsystem>, and <pmcscategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, ((***%para0_ent;***)+, ***fluid.leakage***?))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<pmcspara> *Paragraph* – ***PMCS***

The element contains a paragraph with or without alert notices. If equipment condition causes it to be not available, the condition is identified in element. The element is used only when a single step is identified.

ELEMENT USED IN: ***<pmcsproc>***

CONTENT MODEL IS: ((***%p;***), ***eqpnotavail***?)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<pmcsproc> *Procedure – **PMCS***

The PMCS procedure contains a brief description of the each check to be performed, as well as any information required to accomplish each check or service, including lubrication, appropriate tolerances, adjustment limits, and instrument gage readings. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<pmcs-entry>***

CONTENT MODEL IS: (***title***?, (***pmcspara*** | ***pmcsstep1***+))

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
crewmember	The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE:	Any character

<pmcsstep1> *Step Level 1 – **PMCS***

Provides the first level of instructions for conducting the PMCS procedure. If equipment condition causes it to be not available, the condition is identified in element.

ELEMENT USED IN: ***<pmcsproc>***

CONTENT MODEL IS: ((***%p;***), ***eqpnotavail***?, ***pmcsstep2****)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%qa;	Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.

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crewmember	The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE:	Any character

<pmcsstep2> *Step Level 2 – **PMCS***

Provides the second level of instructions for conducting the PMCS procedure. If equipment condition causes it to be not available, the condition is identified in element.

ELEMENT USED IN: ***<pmcsstep1>***

CONTENT MODEL IS: ((***%p;***), ***eqpnotavail***?, ***pmcsstep3****)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%qa;	Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.
crewmember	The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE:	Any character

<pmcsstep3> *Step Level 3 – **PMCS***

Provides the third level of instructions for conducting the PMCS procedure. If equipment condition causes it to be not available, the condition is identified in element.

ELEMENT USED IN: ***<pmcsstep2>***

CONTENT MODEL IS: ((***%p;***), ***eqpnotavail***?, ***pmcsstep4****)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%qa;	Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.

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crewmember	The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE:	Any character

<pmcsstep4> *Step Level 4 – **PMCS***

Provides the fourth level of instructions for conducting the PMCS procedure. If equipment condition causes it to be not available, the condition is identified in element.

ELEMENT USED IN: ***<pmcsstep3>***

CONTENT MODEL IS: ((***%p;***), ***eqpnotavail***?)

OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%qa;	Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.
crewmember	The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE:	Any character

<pmcstable> *Standard Information – **PMCS***

Identifies the detailed requirements and interval for conducting preventive maintenance. If multiple intervals are defined in the standard information, use the element to define the interval list. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<pmc>, and <pmcswp>***

CONTENT MODEL IS: (***title***, ***pmcs-intervals***?, ***%alert;***, ***pmcs-entry***+)

OPTIONAL ATTRIBUTE(S)

%stdinfoatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.
use-manhours	Does the PMCS require the man-hours entry. Only required for lubrication procedures.
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	No

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<pmi> *Phased Maintenance Inspections* – ***Technical Manual***

The element contains the Phased Maintenance Inspections (PMI) aviation manual content. It consists of PMI/Preventive Maintenance Services (PMS) front matter, Preventive Maintenance (PM) Checklist Introductory work package, the maintenance information chapter using the aviation maintenance category, and rear matter.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***paper.frnt***, ***pm-ginfowp***, ***mim***+, ***rear***)

REQUIRED ATTRIBUTE(S)

maintitl Supplies a literal version of the maintenance-level title.
DECLARED VALUE: Any character

maintlvls Specifies the maintenance level authorized to use this manual; this attribute value is used in the style sheet to supply the literal expression of the TM's maintenance level.
DECLARED VALUE: List (PMI)

revno The revision number of the overall manual.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Specifies the technical manual publication number
DECLARED VALUE: Any character

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<pmi-cklistwp> *Phased Maintenance Inspections Checklist* – ***Work Package***

The data required to perform aircraft phased maintenance inspections checklist(s) is contained within the work package. Aircraft only.

ELEMENT USED IN: ***<checklistcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***%alert;***, ***figure***+, ***note***, (***figure***?, ***table***)*)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<pmi.pecul-entry> *Inspection Entry* – ***Criteria for Special Inspections – PMI***

The element is an entry for inspecting the specified area, component or item, interval, and inspection procedure. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<pmi.pecul-row>***

CONTENT MODEL IS: (***areano***, ***itemno***, ***interval***, ***compname***, (***proc*** | (***%step;***)+))

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<pmi.pecul-row> *Entry* – ***Criteria for Special Inspections – PMI***

The element is an entry by aircraft serial or tail number and performs inspection. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<pmi.pecul.tab>***

CONTENT MODEL IS: (***serialno***, ***date***, ***pmi.pecul-entry***+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<pmi.pecul.tab> *Standard Information* – ***Criteria for Special Inspections – PMI***

Components and other items which qualify under the criteria for special inspections, e.g., hard landings, sudden stoppage and overspeed are included in this table. Aircraft only. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<pmiwp>***

CONTENT MODEL IS: (***title***, ***pmi.pecul-row***)+

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

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<pmiwp> *Phased Maintenance Inspections* – ***Work Package***

The element contains the complete requirements for special inspections, overhaul and retirement schedule, and standards of serviceability applicable to the aircraft. Aircraft only.

ELEMENT USED IN: ***<aviationcategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, (***proc*** | (***%alert;***, ***geninfo***, (***figure***, ***pmi.pecul.tab***)+)))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<pms> *Preventive Maintenance Services* – ***Technical Manual***

This element contains the Preventive Maintenance Services (PMS) aviation manual content. It consists of Phased Maintenance Inspections (PMI) or PMS front matter, PMS general information work package, maintenance information chapter using PMS maintenance category, and rear matter.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***paper.frnt***, ***pms-ginfowp***, ***mim***+, ***rear***)

REQUIRED ATTRIBUTE(S)

maintitl Supplies a literal version of the maintenance-level title.
DECLARED VALUE: Any character

maintlvls Specifies the maintenance level(s) authorized to use this manual; this attribute value is used in the style sheet to supply the literal expression of the TM's maintenance level.
DECLARED VALUE: List (PMS | PMD)

revno The revision number of the overall manual.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Specifies the technical manual publication number
DECLARED VALUE: Any character

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

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<pmscategory> *Preventive Maintenance Services (PMS)* – ***Information Category – Maintenance***

This element contains, for preventive maintenance services manuals, the requirements for PMS Inspection category.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***pms-inspecwp***+)

<pms-geninfo> *General Information* – ***Preventive Maintenance Services Inspection***

This element contains titled paragraphs giving general information for PMS and is designed to allow an optional warning for each paragraph per the standard statement requirement.

ELEMENT USED IN: ***<pms-ginfowp>***

CONTENT MODEL IS: (***pms-para***+)

OPTIONAL ATTRIBUTE(S)

%frameatt; Any of the attributes in the associated attribute set may be used with this element. Refer to frameatt for a complete description.

<pms-ginfowp> *Preventive Maintenance Services Inspection General Information* – ***Work Package***

Identifies a Preventive Maintenance Services TM's general information work package.

ELEMENT USED IN: ***<pms>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***scope***, ***pms-geninfo***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<pms-inspecwp> *Preventive Maintenance Services Inspection* – ***Work Package***

All data regarding each specific inspection interval and divided by aircraft areas, as applicable to the aircraft. Aircraft only.

ELEMENT USED IN: ***<pmscategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***%alert;***, (***figure****, ***table***)+)

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OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<pms-para> *Paragraph* – ***Preventive Maintenance Services Inspection***

This element contains a title, an optional warning, and paragraph(s). Specifically designed for PMS general information standard statement requirements.

ELEMENT USED IN: ***<pms-geninfo>***

CONTENT MODEL IS: (***title***, ***warning***?, ***para***+)

<pnindx> *Standard Information* – ***Part Number Index***

A cross reference of part number(s) with illustration number and callout. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<pnindxwp>***

CONTENT MODEL IS: (***pnindxrow***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<pnindxrow> *Entry* – ***Part Number Index***

The entries shall be arranged in ascending alphanumeric sequence by part number. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<pnindx>***

CONTENT MODEL IS: (***partno***, ***cageno***, ***callout***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<pnindxwp> *Part Number Index* – ***Work Package***

The part number index work package contains a part index that lists the part number, figure number, and item number for all part numbers.

ELEMENT USED IN: ***<pim>, and <systemhierarchy>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***pnindx***)

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OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<portionmark> *Security Portion Marking* – ***Work Package Metadata***

Defines for each work package the security level for the entire work package, regardless of the TM security marking.

ELEMENT USED IN: ***<wp.metadata>***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

country	Security marking country of origin.
DECLARED VALUE:	Any character
DEFAULT VALUE =	US
%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<possibletext> *Possible Text* – ***Fault – Value Type***

The element contains the possible fault narrative.

ELEMENT USED IN: ***<fault>***

CONTENT MODEL IS: (***%text_ent;***)*

<posttext> *Post Text*

The element contains post text for linked data. The post text data should not be part of the link reference.

ELEMENT USED IN: ***<link>***

CONTENT MODEL IS: (***%format;***)*

<prdinv> *Periods of Inventory*

This element contains the periods of inventories that are normally performed upon receipt, transfer, or every 12 months.

ELEMENT USED IN: ***<inventorywp>***

CONTENT MODEL IS: (***%titldtext;***)

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OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<precal> *Preliminary Calibration of Equipment* – ***Maintenance Task***

A service upon receipt task for preliminary calibration of newly installed equipment.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<prechkadj> *Preliminary Checks and Adjustment of Equipment* – ***Maintenance Task***

A service upon receipt task for preliminary checks and adjustments of newly installed equipment. Contains data on location of parts, controls, and checkpoints.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<precond> *Precondition* – ***Evaluation***

The elements indicates if the parent element is presented according the results from the Boolean expression. The Boolean expression is evaluated by the frame-base viewer's Logic Engine (requires state (variable) information). If the Boolean expression evaluates to "True", then present or process content following the element, otherwise the remaining content is skipped.

ELEMENT USED IN: ***<binarymenu>, <choice>, <diagnostic_initial>, <dialog>, <dialog-group>, <dialog-message>, <disconnect>, <eqpconds-setup-item>, <figure>, <fillin>, <hookup>, <menu>, <para0>, <statemanipulation>, <step1>, <step2>, <step3>, <step4>, <step5>, <step6>, <subpara1>, <subpara2>, <subpara3>, <subpara4>, <table>, and <testwithstate>***

CONTENT MODEL IS: (***expression***)

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OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<premature> *Premature Dissemination* – ***Distribution Reason – Notices***

Indicates the distribution statement restriction reason as the premature dissemination and is defined as to protect patent able information on systems or processes in the developmental or concept stage from premature dissemination. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<b.statement>, and <e.statement>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

distreason Distribution reason text for the distribution statement.

DECLARED VALUE: Any character

DEFAULT VALUE = Premature Dissemination

<prepforuse> *Preparation for Use* – ***Maintenance Task***

A maintenance task that is used for items that are unpacked, disassembled or removed from an assembly, subassembly or component.

ELEMENT USED IN: ***<maintsk>, and <opertsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<prepmove> *Preparation for Movement* – ***Operator Task***

An operational task containing procedures for preparing the equipment if required to move.

ELEMENT USED IN: ***<opertsk>***

CONTENT MODEL IS: (***proc***)

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OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<preserv> *Preliminary Servicing of Equipment – **Maintenance Task***

A service upon receipt task that contains instructions for lubrication of newly installed equipment.

ELEMENT USED IN: ***<maintsk>, and <surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<pretext> *Pretext*

The element contains pretext for linked data. The pre text data should not be part of the link reference.

ELEMENT USED IN: ***<link>***

CONTENT MODEL IS: (***%format;***)*

<proc> *Procedure*

Procedure shall be used to present detailed step-by-step instructions for performing an operational or maintenance task. Procedural steps may be further divided into subordinate steps.

ELEMENT USED IN: ***<adjust>, <align>, <alignproc>, <ammo.defect>, <arm>, <assem>, <auxeqpwp>, <bdar-manuitem>, <bdar-repair-proc>, <calibration>, <chkeqp>, <clean>, <cover>, <decon>, <degraded>, <destruct-materialwp>, <disassem>, <ecm>, <emergency>, <entry>, <extconn>, <extpwr>, <flyable>, <followon.maintsk>, <fording>, <formchart>, <gen.maintwp>, <hoist>, <initial>, <inspect>, <install>, <intermediate>, <jack>, <load>, <loopaction>, <lube>, <lubewp>, <manuitem>, <mark>, <moor>, <ndi>, <op_steps>, <oper>, <operaux>, <other.maintsk>, <other.surtsk>, <overhaul>, <pack>, <paint>, <park>, <perseqpwp>, <pis>, <pmi.pecul-entry>, <pmiwp>, <precal>, <prechkadj>, <prepforuse>, <prepmove>, <preserv>, <processeqp>, <pshopanal>, <pss>, <rebuild>, <remove>, <repair>, <replace>, <ris>, <secref>, <service>, <setconn>, <shelter>, <shltr>, <short>, <site>, <siting>,***

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<sling>, <softwaremaint>, <test>, <torqueval>, <tow>, <unload>, <unpack>, <unusualenv>, and %titldtextproc;

CONTENT MODEL IS: (***title***?, ***%alert;***, ***geninfo***?, (***para*** | (***%step;***, (***%step;***)+)))

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

crewmember The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE: Any character

tocentry Include in the TOC.
DECLARED VALUE: List (0 | 3 | 4 | 5)
DEFAULT VALUE = 0

frame Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = yes

date-time-stamp How should the work package stamp be tracked for completion as time only, date only or time and date.
DECLARED VALUE: List (date, time, date-time)

<processeqp> *Processing Unpacked Equipment* – ***Maintenance Task***

A service upon receipt of materials task containing all procedures and inspections for cleaning or processing unpacked equipment. Lists all tools, parts, support equipment, supplies, skills, manpower and man-hours required to perform tasks.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<production> *Production*

Any material to be published according to the DTD in Technical Manual Production must begin with this element. The available TM types are

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Equipment and Technical (frame-base or page-base), Ammunition, Preventive Maintenance Inspection (PMI), Phased Maintenance Services (PMS) Inspections, and Aviation Troubleshooting.

CONTENT MODEL IS: (***proc***)

REQUIRED ATTRIBUTE(S)

date This is the date of the TM.
DECLARED VALUE: Any character

chnglevel This is the current change level for the TM
DECLARED VALUE: Any character

chngdate This is the change date for the current change.
DECLARED VALUE: Any character

maintconcept This provides a method to specify the maintenance level of the entire manual. This is a pick list with values of 2, 3 and 5. The default is 2. The value 3 is for legacy aviation manuals and the 5 for remaining legacy systems.
DECLARED VALUE: List (2 | 3 | 5)

pin Publication Identification Number (PIN) to be included on the back cover and authentication page for change transmittal package.
DECLARED VALUE: Any character

<prompt> *Prompt* – ***Dialog Box***

This element contains the prompt question for inputting a response from the user.

ELEMENT USED IN: ***<binarymenu>, <button>, <fillin>, <link>, <menu>, <multioption>, and <simple>***

CONTENT MODEL IS: (***%format;*** | ***variableref***)*

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

position Positions the prompt in relationship to the dialog component.
DECLARED VALUE: List (left | right | top | bottom)

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<promulgation> *Promulgation Letter (USMC)*

The element contains the promulgation letter provided by the acquiring activity, used primarily by the Marine Corp (similar to authentication letter).

ELEMENT USED IN: ***<framed.frnt>, <overallsystem>, <paper.frnt>, <promulgation-alt>, and <volume>***

CONTENT MODEL IS: (***graphic***)

OPTIONAL ATTRIBUTE(S)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.

DECLARED VALUE: ID Reference (one or more)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<promulgation-alt> *Alternative Promulgation Letter (USMC)*

When alternative promulgation letters are needed for manual with multiple configurations.

ELEMENT USED IN: ***<framed.frnt>, and <overallsystem>***

CONTENT MODEL IS: (***promulgation***)

<proponent> *Proponent*

The element identifies the proponent name and address.

ELEMENT USED IN: ***<author>, <avail>, <da2028>, <ftnpara>, <wp.metadata>, and %trimcontent;***

CONTENT MODEL IS: (***name***, ***address***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<proprietary> *Proprietary Information* – ***Distribution Reason – Notice***

Indicates the distribution statement restriction reason as the proprietary information and is defined as to protect information not owned by the U.S. Government and protected by a contractor's "limited rights"

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statement, or received with the understanding that it not be routinely transmitted outside the U.S. Government. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<b.statement>, and <e.statement>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

distreason Distribution reason text for the distribution statement.
DECLARED VALUE: Any character
DEFAULT VALUE = Proprietary Information

<prtitle> *Primary Title* – ***Front Cover***

The technical manual primary title that contains the system nomenclature with any relevant identifying numbers or qualifying subject. The primary title appears on the front cover, change sheet, and title block page of the TM.

ELEMENT USED IN: ***<chgsheet>, <titleblk>, and <tmtitle>***

CONTENT MODEL IS: (***sysnomen***+, ***subject***?)+

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<pshopanal> *Procedures* – ***Preshop Analysis***

Preshop analysis procedures used for testing or inspecting an item (component or system), instead of completely disassembling it, to determine its useful life. Depot only.

ELEMENT USED IN: ***<pshopanalwp>***

CONTENT MODEL IS: (***proc*** | ***chklist***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<pshopanalwp> *Preshop Analysis* – ***Work Package***

Preshop analysis data used for testing or inspecting an item (component or system), instead of completely disassembling it, to determine its useful life. Depot only.

ELEMENT USED IN: ***<systembreakdown>, and <troubledmwrnmwrcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***%alert;***, ***scope***, ***pshopanal***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<pshopchk.tab> *Checklist* – ***Preshop Analysis***

The element identifies a checklist to determine the component or system useful life through each test and inspection procedures. Depot only.

ELEMENT USED IN: ***<chklist>***

CONTENT MODEL IS: (***table***)

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<pss> *Preparation for Storage or Shipment* – ***Maintenance Task***

A maintenance task containing procedures for storage or shipment preparation. Includes all special security procedures, special transportation procedures for sensitive items and administrative storage as required by applicable AR. Also includes a refer

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<pssref> *Preparation for Storage or Shipment* – ***General Information***

References to the preparation for storage or shipment procedures, including packaging and administrative storage, are entered.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<pubident> *Entry* – ***List – Publication***

The technical manual publication number, Army Regulation number, or other identification is entered with publication number and title. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<publist>***

CONTENT MODEL IS: ((***name*** | ***%extref_ent;***), ***title***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<publist> *List* – ***Publication***

The element lists all publications, forms, and similar data referenced in the TM that are required to operate or maintain the equipment. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<refwp>***

CONTENT MODEL IS: (***title***, ***trim.para****, ***pubident***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<qainfo> *Quality Assurance Information Statement* – ***General Information***

Either a reference to QA TMs or the appropriate general QA information is entered within the quality assurance information element. Depot and Aviation only.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<qawp> *Quality Assurance Requirements* – ***Work Package***

The element defines the quality assurance requirements for the programs and in accordance with ISO 9000 Series standards or equivalent. Depot only.

ELEMENT USED IN: ***<depotcategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***?, ***responsibility***, ***definitions***, ***specialreq***?, ***certreq***?, ***quality_program***?, ***inprocess***, ***acceptance***, ***first***?)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<qty> *Quantity*

The element indicates the number of personnel or quantity of materials/parts equipment required to perform the procedures in the work package.

ELEMENT USED IN: ***<aal-entry>, <bii-entry>, <bii-opt-entry>, <coei-entry>, <coei-opt-entry>, <compchklist>, <kititem>, <material-list>, <mrpl-entry>, <mtrlpart-setup-item>, <persnreq-setup-item>, and <pi.item>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<qty_per_end_item> *Quantity Per End Item (USMC)* – ***Parts Information***

Number of parts per end item, a USMC requirement.

ELEMENT USED IN: ***<pi.item>***

CONTENT MODEL IS: (#PCDATA

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OPTIONAL ATTRIBUTE(S)

%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<qtyrec> *Quantity Received* – ***Component Checklist***

The element is used for entering the quantity received of components on the component checklist.

ELEMENT USED IN: ***<compchklist>***

CONTENT MODEL IS: (#PCDATA

<qual.mat.info> *Quality of Material Statement* – ***General Information***

A statement defining the material quality requirements that are used.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<qualify-2lvl> *Qualifier* – ***2 Level Maintenance – Maintenance Allocation Chart***

Identifies a MAC component qualification entry that contains maintenance function, maintenance level(s) work time, any tools and/or test equipments, and any remarks. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<compassemgroup-2lvl>, and <mac-group-2lvl>***

CONTENT MODEL IS: (***maintfunc***, ***maintclass-2lvl***, ***terefs***?, ***remarkrefs***?)

<quality_program> *Quality Program* – ***Quality Assurance***

Any requirements for a quality program.

ELEMENT USED IN: ***<qawp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

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<randlist> *Random – **List***

A list of randomly ordered items; list items are not numbered, but may have symbol prefixed before the list item.

ELEMENT USED IN: ***<item>, and %list;***

CONTENT MODEL IS: (***title***?, ***item***+)

OPTIONAL ATTRIBUTE(S)

bullet Specifies whether the item is preceded by a bullet character.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = 0

prefix A prefix character, work, or symbol other than a bullet.
DECLARED VALUE: Any character

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<range> *Range – **System Effectivity***

Specifies a range of information for system effectivity. The type of information are serial number, Modification Work Order, Usable On Code, Model Number, Software Version, and unique system identifier. Example for serial number range is for 00001 - 00100.

ELEMENT USED IN: ***<applic>***

CONTENT MODEL IS: ((***serialno***, ***serialno***) | (***mwo***, ***mwo***) | (***uoc***, ***uoc***) | (***modelno***, ***modelno***) | (***software_version***, ***software_version***) | (***eqp_id***, ***eqp_id***))

<rccr> *Resource Conservation and Recovery Regulations – **DMWR Ammunition Introduction***

Pertinent resource conservation and recovery regulations, as contained in the Resource Conservation and Recovery Act, 42 U.S.C. 6901 et seq., are addressed.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<real> *Real – **Value Type***

The element defines a state (variable) information or value as real number.

ELEMENT USED IN: ***<high-bound>, <low-bound>, and %value;***

CONTENT MODEL IS: (#PCDATA

<rear> *Rear Matter*

The TM rear or back matter. It may consist of a glossary, alphabetic index, DA-2028 forms, authentication page, foldout (oversize) illustration section, and a metric conversion chart. Only the DA-2028 form and authentication page is required.

ELEMENT USED IN: ***<ammo>, <bdar>, <destruction_manual>, <dmwr_ammo>, <paper.manual>, <pmi>, <pms>, <sys-ts>, and <vol-rear>***

CONTENT MODEL IS: (***glossary***?, ***aindx***?, ***da2028***+, ***authent***, ***blank_form***?, ***foldsect***?, ***back***)

OPTIONAL ATTRIBUTE(S)

%idrefs; Any of the attributes in the associated attribute set may be used with this element. Refer to idrefs for a complete description.

<reason> *Reason for Action*

This element is used to enter the reason for action.

ELEMENT USED IN: ***<change.history>, <coverpage>, and <specenv-setup-item>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<reasondate> *Restriction Determination Date – **Distribution Reason***

The element is used to specify distribution statements B-F and X restriction determination date.

ELEMENT USED IN: ***<b.statement>, <c.statement>, <d.statement>, <e.statement>, <f.statement>, and <x.statement>***

CONTENT MODEL IS: (#PCDATA

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<rebuild> *Rebuild* – ***Maintenance Task***

Instructions are prepared for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (e.g., hours/miles) considered in classifying Army equipment/components.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<reasonfortest> *Reason for Conducting Test* – ***Troubleshooting***

The element specifies information why the test is being conducted and possible results or fault from the test.

ELEMENT USED IN: ***<testwithoutstate>, and <testwithstate>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<receiveparameter> *Parameters Received from Test Equipment* – ***Diagnostic***

The element has predefined state (variable) informations and receives from the sensors or test equipment values to assist with system diagnostics.

ELEMENT USED IN: ***<diagnostic>, and <diagnostic_initial>***

CONTENT MODEL IS: (***variableref***)

<recfrom> *Received From* – ***Component Checklist***

The element identities, on the component checklist, the unit the component was received from.

ELEMENT USED IN: ***<compchklist>***

CONTENT MODEL IS: (***%text_ent;***)*

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<ref> *Work Package Reference Material* – ***Initial Setup***

The element lists other work packages, TMs, foldouts, and other sources needed to complete the tasks, excluding references listed in equipment conditions.

ELEMENT USED IN: ***<initial_setup>, and %optpersnreq;***

CONTENT MODEL IS: (***ref-setup-item***+)

<ref-setup-item> *Work Package Reference Material* – ***Initial Setup***

The element is an entry item for each reference material data.

ELEMENT USED IN: ***<ref>***

CONTENT MODEL IS: (***%linkref;***)

OPTIONAL ATTRIBUTE(S)

%setupatt; Any of the attributes in the associated attribute set may be used with this element. Refer to setupatt for a complete description.

<ref.generate> *Generated Text for Reference* – ***Link***

Indicates that the ***<link>*** element will auto-generate the narrative text from the targeted information.

ELEMENT USED IN: ***<link>***

CONTENT MODEL IS: EMPTY

<refdes> *Reference Designation* – ***Parts Information***

This element list the reference designation from the part illustration callout(s).

ELEMENT USED IN: ***<pi.item>, <refdesindxrow>, and <systemnomen>***

CONTENT MODEL IS: (***%format;*** | ***%linkref;***)*

OPTIONAL ATTRIBUTE(S)

nsn National Stock Number
DECLARED VALUE: Any character

eic End Item Code
DECLARED VALUE: Any character

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<refdesindx> *Standard Information* – ***Reference Designator Index***

A cross reference of reference designators with illustration number and callout. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<refdesindxwp>***

CONTENT MODEL IS: (***refdesindxrow***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<refdesindxrow> *Entry* – ***Reference Designator Index***

The reference designator entries are arranged in alphanumeric reference designator sequence. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<refdesindx>***

CONTENT MODEL IS: (***refdes***, ***callout***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<refdesindxwp> *Reference Designator Index* – ***Work Package***

The reference designator index work package lists the reference designator, and associated figure number and item number for each item with a reference designator.

ELEMENT USED IN: ***<pim>, and <systemhierarchy>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***indxref****, ***refdesindx***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<refwp> *Publications Reference* – ***Work Package***

The work package lists all publications referenced in the TM and required by the user to operate and/or maintain the equipment.

ELEMENT USED IN: ***<dmwr_ammo>, <sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***scope***, ***publist***+)

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OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<releaseagent> *Controlling DoD Office* – ***Distribution Reason – Notice***

The controlling DoD office for deciding the distribution statement level and request for further distribution.

ELEMENT USED IN: ***<b.statement>, <c.statement>, <d.statement>, <e.statement>, <f.statement>, and <x.statement>***

CONTENT MODEL IS: (#PCDATA

<remark-group> *Entry* – ***Remark – Maintenance Allocation Chart***

The element is an entry for each MAC remark (by code and remark text). In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<remarktab>***

CONTENT MODEL IS: (***remarkcode***, ***remarks***)

<remarkcode> *Code* – ***Remark – Maintenance Allocation Chart***

The element enumerates each remark made in the MAC and is remark reference key in the MAC. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<remark-group>***

CONTENT MODEL IS: (#PCDATA

REQUIRED ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

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<remarkref> *Remark Reference – **Maintenance Allocation Chart***

The element references a remark item in the MAC remark standard information.

ELEMENT USED IN: ***<remarkrefs>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

refs References the remark code from the MAC remark table.
DECLARED VALUE: ID Reference

<remarkrefs> *Group Remark Reference – **Maintenance Allocation Chart***

The element is the remark(s) entry in the MAC. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avqualify-2lvl>, and <qualify-2lvl>***

CONTENT MODEL IS: (***remarkref***+)

<remarks> *Remarks*

The element is used to enter any additional remarks.

ELEMENT USED IN: ***<pecul.step-entry>, and <remark-group>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<remarktab> *Standard Information- Remark – **Maintenance Allocation Chart***

Remarks pertinent to maintenance functions as listed in the MAC are contained in the remarks standard information. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<macwp>***

CONTENT MODEL IS: (***title***, ***remark-group***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<remove> *Removal* – ***Maintenance Task***

A maintenance task containing procedures for removal of an assembly or component.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<removepg> *Remove Page* – ***Change Sheet***

Identifies the page number of the removed page from the previous change front or rear matter as part of a current change. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<chgpage>***

CONTENT MODEL IS: (#PCDATA

<repair> *Repair* – ***Maintenance Task***

A maintenance task containing procedures for repair of a part. Includes information on tolerances, torque values, clearance, and other similar data.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<repairable> *Repairable Criteria* – ***Critical Inspection for Packaging***

The element is used to enter criteria when the component/assembly is repairable. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<accpt-rpbl-nonrpbl-entry>***

CONTENT MODEL IS: (***%text_ent;***)*

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OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<replace> *Replacement* – ***Maintenance Task***

A maintenance task containing procedures for replacement of a new or serviceable part. Includes information on tolerances, torque values, clearance, and other similar data.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<report_destruct> *Reporting* – ***Destruction***

Details any destruction activity be reported through command channels.

ELEMENT USED IN: ***<destruct-introwp>***

CONTENT MODEL IS: (***title***, ***para***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<reporting> *Reporting Errors and Recommending Improvements Statement* – ***Title Block – Front Matter***

A standard paragraph containing the reporting errors and recommending improvements statement. If using a multi-service TM, then each service will have an unique reporting state.

ELEMENT USED IN: ***<frntcover>, <frntcover_abbreviated>, and <titleblk>***

CONTENT MODEL IS: (***title***, ***para***, (***reporting.para***+, ***para***)?)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<reporting_req> *Reporting Requirements* – ***DMWR Ammunition Introduction***

Guidance for reporting work accomplishments are addressed.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<reporting.para> *Service Reporting Paragraph* – ***Title Block – Front Matter***

When developing a multi-service TM identify the service (using the attribute) and present the service's reporting information.

ELEMENT USED IN: ***<reporting>***

CONTENT MODEL IS: (***%trimcontent;***)*

REQUIRED ATTRIBUTE(S)

service The service's unique reporting paragraph.
DECLARED VALUE: List (army | af | navy | marines)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<resource_recovery> *Resource Recovery* – ***DWMR Ammunition Introduction***

Resource recovery states "All items of salvageable value will be salvaged as scrap or reusable material. All explosives and hazardous materials that can be successfully recovered and reused will be recovered; otherwise, the materials will be disposed of by an environmentally safe and approved method."

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<responsibility> *Statement of Responsibility* – ***Quality Assurance***

The responsibility statement that defines the responsibilities of the depot/contractor.

ELEMENT USED IN: ***<qawp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<resultwithoutstate> *Test Result without State* – ***Evaluation***

The element contains the possible fault information, any applicable disconnection procedures, and reference to another test node or reference to the corrective action. If corrective action is brief, it can be entered without linking to the maintenance work package.

ELEMENT USED IN: ***<no>, <option>, and <yes>***

CONTENT MODEL IS: (***fault****, (***%disconnect_ent;***)*, (***link*** | (***para***, (***link*** | ***completed_test***)?)))

<resultwithstate> *Test Result with State* – ***Evaluation***

The element contains the possible fault information, any applicable disconnection procedures, and reference to another test node or reference to the corrective action or interact with the user to obtain additional information. If corrective action is brief, it can be entered without linking to a maintenance work package.

ELEMENT USED IN: ***<else>, and <then>***

CONTENT MODEL IS: (***fault****, (***%disconnect_ent;***)*, (***%statemanipulation_ent;*** | ***interaction*** | ***link*** | ***para***)+, ***completed_test***?)

<retirement.interval> *Retirement Interval* – ***Overhaul and Retirement Schedule***

An element contains the maximum operating time allowed before the part is retired and any notes.

ELEMENT USED IN: ***<orsch.interval.entry>***

CONTENT MODEL IS: (***interval.hours***, ***interval.notes***?)

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<returnlink> *Return Link* – ***Dialog Box***

The element redirects user to another location when the enhance cross reference element sets the attribute "linktype" to "return".

ELEMENT USED IN: ***<link>***

CONTENT MODEL IS: (***link***)

<revform> *Review of Forms* – ***Preshop Analysis***

The item review of forms in preshop analysis checklist coverpage.

ELEMENT USED IN: ***<coverpage>***

CONTENT MODEL IS: (#PCDATA

<revisionsummary> *Revision Summary* – ***Front Matter***

When a revision to an IETM is issued, a revision summary frame shall be displayed containing a list of work packages by title that have been revised. For each work package listed, a brief description of the major changes shall be provided. The revised work packages listed on the revision summary frame is linked to the work package containing the revised information.

ELEMENT USED IN: ***<framed.frnt>, <revisionsummary-alt>, and <systemhierarchy>***

CONTENT MODEL IS: (***title***, ***para***, ***para***?, (***wpno***, ***desc***)+)

OPTIONAL ATTRIBUTE(S)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.

DECLARED VALUE: ID Reference (one or more)

frame Indicates to the IETM system the authors intended Frame break.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = yes

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<revisionsummary-alt> *Alternative Revision Summary* – ***Front Matter***

When revision summaries alternative are needed for manual with multiple configurations.

ELEMENT USED IN: ***<framed.frnt>, and <systemhierarchy>***

CONTENT MODEL IS: (***revisionsummary***)

<revtag> *Review of Tags* – ***Preshop Analysis***

The item review of tags in the preshop analysis checklist coverpage.

ELEMENT USED IN: ***<coverpage>***

CONTENT MODEL IS: (#PCDATA

<ris> *Radio Interference Suppression* – ***Maintenance Task***

A maintenance task containing radio suppression procedures or removal and replacement of defective components.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<row> *Row* – ***CALS Table***

Identifies the row information in a table group ***<tgroup>*** of a table. Default values come from the table ***<table>***, table group ***<tgroup>***, column specification ***<colspec>*** attribute list values for like-named attributes.

ELEMENT USED IN: ***<tbody>, and <thead>***

CONTENT MODEL IS: (***entry***+)

OPTIONAL ATTRIBUTE(S)

rowsep Default for all items in this row (within the enclosing group) of the table. If one, display the internal horizontal row ruling below each item. If zero, do not display it. Ignored for the last row of the table, since overridden by the frame setting.

DECLARED VALUE: List (0 | 1)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information

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	is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.
DECLARED VALUE:	ID Reference (one or more)
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<safety> *Safety* – ***Warning Summary***

The element contains safety icons and definition section in the warning summary.

ELEMENT USED IN: ***<warnsum>***

CONTENT MODEL IS: (***title***, ***sfty-icons***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<schematic> *Schematic Drawings* – ***Supporting – Troubleshooting***

Schematic drawings included as supporting technical information during a troubleshooting procedure.

ELEMENT USED IN: ***%tsdata;***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<scope> *Scope*

The scope includes a brief statement of what is covered in the work package.

ELEMENT USED IN: ***<ginfowp>, <pms-ginfowp>, <pshopanalwp>, and <refwp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

frame Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = no

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<sec> *Secant* – ***Trigonometry Function***

This element performs the trigonometry function "SECANT" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<sech> *Secant Hyperbolic* – ***Trigonometry Function***

This element performs the trigonometry function "SECANT HYPERBOLIC" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<secitem> *Secondary Items Required* – ***Preshop Analysis***

Any secondary items on the preshop analysis checklist cover page.

ELEMENT USED IN: ***<coverpage>***

CONTENT MODEL IS: (#PCDATA

<secref> *Security Measures for Electronic Data* – ***Operator Task***

Instructions for handling, loading, scrubbing, overwriting, or unloading classified electronic data under usual or unusual conditions.

ELEMENT USED IN: ***<opertsk>, and <opunutsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<security> *Security* – ***Aircraft Inventory***

The security statement explains the classification of the aircraft inventory master guide data.

ELEMENT USED IN: ***<inventorywp>, and %secur;***

CONTENT MODEL IS: (***%titldtext;***)

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OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<sendparameter> *Send Parameters to Test Equipment* – ***Diagnostic***

The element has predefined state (variable) informations or static (constant) values and used by the test software on the sensors or test equipment. The send parameters may use a name pair (parameter name and value) or by sequential order (no parameter name is used).

ELEMENT USED IN: ***<diagnostic>, <diagnostic_group>, and <diagnostic_initial>***

CONTENT MODEL IS: (***name***?, (***variableref*** | ***string***))

OPTIONAL ATTRIBUTE(S)

mode
DECLARED VALUE: Any character

<seqlist> *Sequential* – ***List***

An ordered list; the sequence of items is denominated by numbers or letters.

ELEMENT USED IN: ***<caution>, <caution.group>, <item>, <note>, <note.group>, %list;, and %warning_ent;***

CONTENT MODEL IS: (***title***?, ***item***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<serialno> *Serial Number*

The element is used to entered the equipment serial number.

ELEMENT USED IN: ***<compchklist>, <coverpage>, <pmi.pecul-row>, <range>, <set>, and <single>***

CONTENT MODEL IS: (#PCDATA

<servbranch> *Branch of Service* – ***Front Matter***

A branch of service that has assigned an official TM number to the manual.

ELEMENT USED IN: ***<tminfono>***

CONTENT MODEL IS: EMPTY

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REQUIRED ATTRIBUTE(S)

service Specifies the service branch.
DECLARED VALUE: List (ARMY, AF (Air Force), NAVY, MARINES)

OPTIONAL ATTRIBUTE(S)

qualify Supplies any further qualification of the service, e.g., NAVAIR.
DECLARED VALUE: Any character

procuring If more than one service uses the manual, specifies which branch is the procuring agency.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<service> *Service – **Maintenance Task***

A maintenance and ammunition task containing instructions for complete servicing of the equipment are contained within this element. This includes replenishment of fuel, oil, hydraulic or other fluids, oxygen, nitrogen or other gases, and tire pressure. Any other such items and materials required may be included (except for lubricants).

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<servnomen> *Service Nomenclature*

The service nomenclature of the proponent activity; for most Army manuals the text is "HEADQUARTERS, DEPARTMENT OF THE ARMY."

ELEMENT USED IN: ***<address>, <chgsheet>, <frntcover>, <frntcover_abbreviated>, and <titleblk>***

CONTENT MODEL IS: (***%format;***)*

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<set> *Effectivity Type Set* – ***System Effectivity***

Defines an effectivity filter group using the same information type.

ELEMENT USED IN: ***<applic>***

CONTENT MODEL IS: (***serialno***+ | ***mwo***+ | ***uoc***+ | ***modelno***+ | ***software_version***+ | ***eqp_id***+)

<setconn> *Switch Settings, Patch Panel Connections, and Internal Control Settings* – ***Maintenance Task***

Instructions for all switch settings, patch panel connections, and internal control settings for each installation and mode of operation are contained within the circuit alignment procedures.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<sftydesc> *Safety Description* – ***Warning Summary***

A description of the hazardous condition associated with a safety icon.

ELEMENT USED IN: ***<sfty-icons>***

CONTENT MODEL IS: (***title***, ***text***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<sfty-icons> *Safety Icon Section* – ***Warning Summary***

A section of the warning summary containing a key to any safety icons to be used in the TM.

ELEMENT USED IN: ***<safety>***

CONTENT MODEL IS: (***symbol***, ***sftydesc***)

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

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<sfty_req> *Safety Requirements* – ***DMWR Ammunition Introduction***

The safety requirements information for DMWR Ammunition is described.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<sftyinfo> *Safety, Care, and Handling Information Statement* – ***General Information***

General precautions and safety regulations are included for ammunitions TMs, equipment with radioactive parts or components, and electrical/electronic parts.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<shelter> *Shelter Requirements* – ***Operator Task***

An operational task containing the shelter requirements for equipment normally housed in a permanent or semi-permanent shelter. Includes requirements for dimensions, floor loading, layout, power or environmental conditions and other similar considerations. Does not apply to trucks, vans or transportable shelters.

ELEMENT USED IN: ***<opertsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<shipmentmovementstoragecategory>*Shipment, Movement, and Storage* – ***Information Category – Maintenance***

This element contains, for ammunition manuals, the requirements for shipping, moving and storage of ammunition as a maintenance category.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***maintwp***+)

<shltr> *Shelter Requirements* – ***Maintenance Task***

A service upon receipt task that specifies the shelter requirements for equipment normally housed in a permanent or semi-permanent shelter. Includes requirements for dimensions, floor loading, layout, power or environmental conditions and other similar considerations. Does not apply to trucks, vans or transportable shelters.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<short> *Short Storage* – ***Aircraft Storage***

The criteria for short length storage and removal from storage.

ELEMENT USED IN: ***<storagewp>***

CONTENT MODEL IS: (***geninfo***, ***proc***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

<sig> *Signature* – ***Preshop Analysis***

The element contains the signature place for the person signing the preshop analysis checklist coverpage.

ELEMENT USED IN: ***<coverpage>***

CONTENT MODEL IS: (***%format;***)*

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<sigfunc> *Signal Function* – ***Signal Item – Troubleshooting***

This element is the signal function for the multiplex read code data.

ELEMENT USED IN: ***<dataitem>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<signal-item> *Signal, Component, or Data Items* – ***Signal Item – Troubleshooting***

This element contains all information required to test a particular signal, component part, process, or data item during pass/fail operational check troubleshooting.

ELEMENT USED IN: ***<muxproc>***

CONTENT MODEL IS: (***signame***, ***dataitem***, ***ckremarks***, ***criteria***, ***criteria***)

OPTIONAL ATTRIBUTE(S)

type Specifies the type of signal item under test.
DECLARED VALUE: List (part, signal, process, other)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<signalword> *Hazard Signal Word* – ***Alert***

The element contains the signal word relating the warning hazard icons.

ELEMENT USED IN: ***%warning_ent;***

CONTENT MODEL IS: (#PCDATA

<signame> *Signal Name* – ***Signal Item – Troubleshooting***

The element is the signal name for the multiplex read code data.

ELEMENT USED IN: ***<signal-item>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<sim> *Supporting* – ***Information Chapter***

The information chapter that identifies equipment supporting data.

ELEMENT USED IN: ***<ammo>, <bdar>, <functionhierarchy>, and <paper.manual>***

CONTENT MODEL IS: (***titlepg***, (***refwp***, (***bdarcategory*** | ((***macintrowp***, ***macwp***)?, ((***coeibiiwp***?, ***aalwp***?, ***explistwp***?, ***toolidwp***?, ***mrplwp***?, ***csi.wp***?) | ***supitemwp***))), ***genwp****))

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<simple> *Simple Yes/No* – ***Dialog Box***

The element will prompt the IETM user a question and then select "Yes" or "No" to link the result to the next test node or corrective action.

ELEMENT USED IN: ***<testwithoutstate>***

CONTENT MODEL IS: (***title***?, ***prompt***, ***yes***, ***no***)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

answer Display the answers as Yes/No, True/False, or Pass/Fail.

DECLARED VALUE: List (YesNo | TrueFalse | PassFail)

DEFAULT VALUE = YesNo

<sin> *Sine* – ***Trigonometry Function***

This element performs the trigonometry function "SIN" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

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<single> *Single* – ***System Effectivity***

Specifies a single system effectivity information type. The information types are serial number, Modification Work Order, Usable On Code, Model Number, Software Version, and unique system identifier.

ELEMENT USED IN: ***<applic>***

CONTENT MODEL IS: (***serialno*** | ***mwo*** | ***uoc*** | ***modelno*** | ***software_version*** | ***eqp_id***)

<sinh> *Sine Hyperbolic* – ***Trigonometry Function***

This element performs the trigonometry function "SINH" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<site> *Siting Requirements* – ***Operator Task***

An operational task for site requirements that must be considered prior to siting. Includes overall site location, power sources, terrain requirements, and other similar considerations.

ELEMENT USED IN: ***<opertsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<siting> *Siting* – ***Maintenance Task***

A service upon receipt task for site requirements that must be considered prior to siting. Includes overall site location, power sources, terrain requirements, and other similar considerations.

ELEMENT USED IN: ***<surtsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<size> *String Length* – ***String Function***

Returns an integer number for the characters in the string.

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: EMPTY

<sling> *Sling Loading* – ***Maintenance Task***

A maintenance task for lifting or moving equipment by using a sling. Complies with MIL-STD-209and includes all safety requirements.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<smr> *Source Maintenance Recovery Code* – ***Parts Information***

SMR Code contains supply/requisitioning information, maintenance level authorization criteria, and disposition instruction. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<fncgrp>, and <pi.item>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

sourcecode First two positions. How to get an item.
DECLARED VALUE: Any character

maintcode Third and fourth position. Third position is who can install, replace, or use the item. Fourth position is who can do complete repair on the item.
DECLARED VALUE: Any character

recovercode Fifth position. Who determines disposition action on unserviceable items.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

service Specifies the service branch.
DECLARED VALUE: List (army | navy | AF | marine | CG)

DEFAULT VALUE = army

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eic	End Item Code
DECLARED VALUE:	Any character
demil	
DECLARED VALUE:	Any character
%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<softwaredoc> *Software Documentation* – ***Distribution Reason – Notice***

Indicates the distribution statement restriction reason as the Software Documentation and is defined as releasable only in accordance with DoD Instruction 7930.2 (reference (i)). The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN:	***%commondistreason;***
CONTENT MODEL IS:	EMPTY

REQUIRED ATTRIBUTE(S)

distreason	Distribution reason text for the distribution statement.
DECLARED VALUE:	Any character
DEFAULT VALUE =	Software Documentation

<softwaremaint> *Software maintenance* – ***Maintenance Task***

Instructions for software maintenance tasks (e.g., installing, un-installing, interface setup, etc.) are prepared as required to support the specific equipment.

ELEMENT USED IN:	***<maintsk>***
CONTENT MODEL IS:	(***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<software_version> *Software Version* – ***System Effectivity***

The element defines the software version information used to determine effectivity.

ELEMENT USED IN:	***<range>, <set>, and <single>***
CONTENT MODEL IS:	(#PCDATA

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<spanspec> *Spanning Specification – **CALS Table***

Define each horizontal column spanning and proved a spanning name.

ELEMENT USED IN: ***<tgroup>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

nameend Specifies name of the right most column of span. Names are identified in ***<colspec>*** of the current ***<tgroup>***.
DECLARED VALUE: Any character

namest Specifies name of the left most column of span; can be used in combination with "nameend" as an alternative to "spanname." Names are identified in ***<colspec>*** of the current ***<tgroup>***.
DECLARED VALUE: Any character

spanname Specifies name of the spanned columns, used to specify the position in a row.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

align Specifies the horizontal alignment of content within the span specification.
DECLARED VALUE: List (left | right | center | justify | char)
DEFAULT VALUE = center

char For align="char," the value is the single alignment character around which the entry is aligned; the first occurrence of the character is used as the alignment point. Entries not containing this character are aligned to the left of this position.
DECLARED VALUE: Any character
DEFAULT VALUE = ' ' (no character) (defined to ensure that the high-level default will not affect lower levels of the table)

charoff For align="char," horizontal character offset is the percent of the current column width to the left of the (left edge of the) alignment character.
DECLARED VALUE: Any character

colsep Default for all items in this span specification. If one, display the internal column vertical rulings to the right of each item; if zero, do not display it. Ignored for the last column, where the frame setting applies.
DECLARED VALUE: List (0 | 1)

rowsep Default for all items in this span specification (within the enclosing group) of the table. If one, display the internal vertical row ruling below

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each item. If zero, do not display it. Ignored for the last row of the table, since overridden by the table frame setting.

DECLARED VALUE: List (0 | 1)

<spec_hazards> *Protection Against Specific Hazards* – ***DMWR Ammunition Introduction***

Specific hazards are listed in each applicable operation for the ammunition and materials requiring protection against the specific hazards.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

<specauth> *Specific Authority* – ***Distribution Reason – Notice***

Indicates the distribution statement restriction reason as the Specific Authority and is defined as to protect information not specifically included in the above reasons and discussions, but which requires protection in accordance with valid documented authority such as Executive Orders, classification guidelines, DoD or DoD Component regulatory documents. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***%commondistreason;***

CONTENT MODEL IS: (#PCDATA

REQUIRED ATTRIBUTE(S)

distreason Distribution reason text for the distribution statement.

DECLARED VALUE: Any character

DEFAULT VALUE = Specific Authority

<specenv> *Special Environmental Conditions* – ***Initial Setup***

Then element contains all the special environmental conditions required to perform the procedures contained in the work package.

ELEMENT USED IN: ***<initial_setup>, and %opteqpconds;***

CONTENT MODEL IS: (***specenv-setup-item***+)

<specenv-setup-item> *Special Environmental Conditions Setup Item* – ***Initial Setup***

The element is an entry for each special environmental conditions item.

ELEMENT USED IN: ***<specenv>***

CONTENT MODEL IS: (***condition***, ***reason***)

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OPTIONAL ATTRIBUTE(S)

%setupatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to setupatt for a complete description.

<special_sfty> *Special Safety Requirements* – ***DWMR Demilitarization***

Special safety requirements are prepared.

ELEMENT USED IN: ***<dmwr_operationalreqwp>***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<specialreq> *Special Requirements for Inspection Tools and Equipment* – ***Quality Assurance***

The special requirements for inspection tools and equipment statement defines the requirements for the maintenance and calibration of tools and test equipment used in the quality assurance inspections.

ELEMENT USED IN: ***<qawp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<specpara> *Paragraph Associated with an Alert* – ***Alert***

A paragraph that is specifically associated with warnings, cautions, or notes. The actual narrative data will follow after the warning statement, caution statement, and/or note statement.

ELEMENT USED IN: ***%p;***

CONTENT MODEL IS: (((***warning***+, ***csi.alert****, ***caution****, ***note****) | (***csi.alert***+, ***caution****, ***note****) | (***caution***+, ***note****) | ***note***+), ***para***)

OPTIONAL ATTRIBUTE(S)

%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<sqrt> *Square Root* – ***Mathematical Function***

The element performs the square root of positive integer or real number.

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: EMPTY

<sruthry> *Shop Replaceable Unit* – ***Theory of Operation***

Identifies the shop replaceable units' theory of operation; an SRU is a component or unit that is authorized to be removed only at a repair shop.

ELEMENT USED IN: ***<ssysthry>, and <systhry>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

nomen System Nomenclature
DECLARED VALUE: Any character

nsn National Stock Number
DECLARED VALUE: Any character

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

frame Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = no

<ssysthry> *Subsystem* – ***Theory of Operation***

A complex system or multi-system equipment may divide the theory of operation by using subsystem breakdown. This element includes theory of operation of a specific subsystem.

ELEMENT USED IN: ***<systhry>***

CONTENT MODEL IS: (***%titldtext;***, (***lruthry****, ***sruthry****))

OPTIONAL ATTRIBUTE(S)

nomen System nomenclature
DECLARED VALUE: Any character

nsn National stock number
DECLARED VALUE: Any character

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%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.
frame	Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE:	"yes" or "no"
DEFAULT VALUE =	no

<state> *State – **Address***

The element is the state in the address block.

ELEMENT USED IN: ***<address>, <chgsheet>, and <titleblk>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<statemanipulation> *State (Variable) Information Manipulation – **Expression***

The element performs three state information functions:

1. Initialize a state (variable) information by defining the name, type, scope, etc. (state (variable) informations must be declared before they can be assigned a value.)

2. Initialize a state (variable) information and assign a value through an expression.

3. Assign a value to a previously defined state (variable) information reference.

When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<statemanipulation-alt>, and %statemanipulation_ent;***

CONTENT MODEL IS: (***precond***?, (***variable*** | (***variableref***, (***fault*** | ***date-time_stamp*** | ***expression***))))

OPTIONAL ATTRIBUTE(S)

id	An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE:	ID

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<statemanipulation-alt> *Conditional State (Variable) Information Manipulation* – ***Expression***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***%statemanipulation_ent;***

CONTENT MODEL IS: (***statemanipulation***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<step1> *First Level Step* – ***Procedure***

The element provides the first level step that presents detailed step-by-step instructions for performing an operational or maintenance task. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<bdar-manuitem>, <entry>, <manuitem>, <step1-alt>, %referencetype;, and %step;***

CONTENT MODEL IS: (***precond***?, (***%p;***), (***%figtab;*** | ***step2*** | ***step2-alt***)*)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

skilllevel The step is for novice only or for both novice and expert user.

DECLARED VALUE: Any character

DEFAULT VALUE = novice_expert

label Text to display prior to the step data. Used primarily for composition system that can not auto generate step label.

DECLARED VALUE: Any character

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

%qa; Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.

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safeflght
Marks the task or a step in a procedure relating to safety of flight condition.
DECLARED VALUE: "yes" or "no"

crewmember
The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE: Any character

frame
Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE: "yes" or "no"

date-time-stamp
How should the work package stamp be tracked for completion as time only, date only or time and date.
DECLARED VALUE: List (date, time, date-time)

warningref
Warnings that occur consecutively prior to the step and effective for the step. The link will be associated with warning to maintain the IETM persistent alert icon.
DECLARED VALUE: ID Reference (one or more)

cautionref
Cautions that occur consecutively prior to the step and effective for the step. The link will be associated with caution to maintain the IETM persistent alert icon.
DECLARED VALUE: ID Reference (one or more)

noteref
Notes that occur consecutively prior to the step and effective for the step. The link will be associated with note to maintain the IETM persistent alert icon.
DECLARED VALUE: ID Reference (one or more)

<step1-alt>
Conditional First Level Step – ***Procedure***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<entry>, and %step;***

CONTENT MODEL IS: (***step1***+)

OPTIONAL ATTRIBUTE(S)

id
An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

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<step2> *Second Level Step – **Procedure***

The element provides the second level step that presents detailed step-by-step instructions for performing an operational or maintenance task. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<step1>, and <step2-alt>***

CONTENT MODEL IS: (***precond***?, (***%p;***), (***%figtab;*** | ***step3*** | ***step3-alt***)*)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

skilllevel The step is for novice only or for both novice and expert user.
DECLARED VALUE: Any character
DEFAULT VALUE = novice_expert

label Text to display prior to the step data. Used primarily for composition system that can not auto generate step label.
DECLARED VALUE: Any character

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

%qa; Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.

safeflght Marks the task or a step in a procedure relating to safety of flight condition.
DECLARED VALUE: "yes" or "no"

crewmember The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE: Any character

frame Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE: "yes" or "no"

date-time-stamp How should the work package stamp be tracked for completion as time only, date only or time and date.
DECLARED VALUE: List (date, time, date-time)

warningref Warnings that occur consecutively prior to the step and effective for the step. The link will be associated with warning to maintain the IETM persistent alert icon.
DECLARED VALUE: ID Reference (one or more)

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cautionref Cautions that occur consecutively prior to the step and effective for the step. The link will be associated with caution to maintain the IETM persistent alert icon.

DECLARED VALUE: ID Reference (one or more)

noteref Notes that occur consecutively prior to the step and effective for the step. The link will be associated with note to maintain the IETM persistent alert icon.

DECLARED VALUE: ID Reference (one or more)

<step2-alt> *Conditional Second Level Step – **Procedure***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<step1>***

CONTENT MODEL IS: (***step2***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<step3> *Third Level Step – **Procedure***

The element provides the third level step that presents detailed step-by-step instructions for performing an operational or maintenance task. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<step2>, and <step3-alt>***

CONTENT MODEL IS: (***precond***?, (***%p;***), (***%figtab;*** | ***step4*** | ***step4-alt***)*)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

skilllevel The step is for novice only or for both novice and expert user.

DECLARED VALUE: Any character

DEFAULT VALUE = novice_expert

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label	Text to display prior to the step data. Used primarily for composition system that can not auto generate step label.
DECLARED VALUE:	Any character
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%qa;	Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.
safeflight	Marks the task or a step in a procedure relating to safety of flight condition.
DECLARED VALUE:	"yes" or "no"
crewmember	The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE:	Any character
frame	Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE:	"yes" or "no"
date-time-stamp	How should the work package stamp be tracked for completion as time only, date only or time and date.
DECLARED VALUE:	List (date, time, date-time)
warningref	Warnings that occur consecutively prior to the step and effective for the step. The link will be associated with warning to maintain the IETM persistent alert icon.
DECLARED VALUE:	ID Reference (one or more)
cautionref	Cautions that occur consecutively prior to the step and effective for the step. The link will be associated with caution to maintain the IETM persistent alert icon.
DECLARED VALUE:	ID Reference (one or more)
noteref	Notes that occur consecutively prior to the step and effective for the step. The link will be associated with note to maintain the IETM persistent alert icon.
DECLARED VALUE:	ID Reference (one or more)

<step3-alt> *Conditional Third Level Step – **Procedure***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<step2>***

CONTENT MODEL IS: (***step3***+)

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OPTIONAL ATTRIBUTE(S)

id — An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<step4> — *Fourth Level Step – **Procedure***

The element provides the fourth level step that presents detailed step-by-step instructions for performing an operational or maintenance task. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<step3>, and <step4-alt>***

CONTENT MODEL IS: (***precond***?, (***%p;***), (***%figtab;*** | ***step5*** | ***step5-alt***)*)

OPTIONAL ATTRIBUTE(S)

%applidatt; — Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

skilllevel — The step is for novice only or for both novice and expert user.

DECLARED VALUE: Any character

DEFAULT VALUE = novice_expert

label — Text to display prior to the step data. Used primarily for composition system that can not auto generate step label.

DECLARED VALUE: Any character

%hcpesd; — Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

%qa; — Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.

safeflght — Marks the task or a step in a procedure relating to safety of flight condition.

DECLARED VALUE: "yes" or "no"

crewmember — The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.

DECLARED VALUE: Any character

frame — Indicates to the IETM system the authors intended Frame break.

DECLARED VALUE: "yes" or "no"

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date-time-stamp How should the work package stamp be tracked for completion as time only, date only or time and date.

DECLARED VALUE: List (date, time, date-time)

warningref Warnings that occur consecutively prior to the step and effective for the step. The link will be associated with warning to maintain the IETM persistent alert icon.

DECLARED VALUE: ID Reference (one or more)

cautionref Cautions that occur consecutively prior to the step and effective for the step. The link will be associated with caution to maintain the IETM persistent alert icon.

DECLARED VALUE: ID Reference (one or more)

noteref Notes that occur consecutively prior to the step and effective for the step. The link will be associated with note to maintain the IETM persistent alert icon.

DECLARED VALUE: ID Reference (one or more)

<step4-alt> *Conditional Fourth Level Step* – ***Procedure***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<step3>***

CONTENT MODEL IS: (***step4***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<step5> *Fifth Level Step* – ***Procedure***

The element provides the fifth level step that presents detailed step-by-step instructions for performing an operational or maintenance task. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<step4>, and <step5-alt>***

CONTENT MODEL IS: (***precond***?, (***%p;***), (***%figtab;*** | ***step6*** | ***step6-alt***)*)

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OPTIONAL ATTRIBUTE(S)

%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
skilllevel	The step is for novice only or for both novice and expert user.
DECLARED VALUE:	Any character
DEFAULT VALUE =	novice_expert
label	Text to display prior to the step data. Used primarily for composition system that can not auto generate step label.
DECLARED VALUE:	Any character
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%qa;	Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.
safeflight	Marks the task or a step in a procedure relating to safety of flight condition.
DECLARED VALUE:	"yes" or "no"
crewmember	The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE:	Any character
frame	Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE:	"yes" or "no"
date-time-stamp	How should the work package stamp be tracked for completion as time only, date only or time and date.
DECLARED VALUE:	List (date, time, date-time)
warningref	Warnings that occur consecutively prior to the step and effective for the step. The link will be associated with warning to maintain the IETM persistent alert icon.
DECLARED VALUE:	ID Reference (one or more)
cautionref	Cautions that occur consecutively prior to the step and effective for the step. The link will be associated with caution to maintain the IETM persistent alert icon.
DECLARED VALUE:	ID Reference (one or more)
noteref	Notes that occur consecutively prior to the step and effective for the step. The link will be associated with note to maintain the IETM persistent alert icon.
DECLARED VALUE:	ID Reference (one or more)

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<step5-alt> *Conditional Fifth Level Step – **Procedure***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<step4>***

CONTENT MODEL IS: (***step5***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<step6> *Sixth Level Step – **Procedure***

The element provides the sixth level step that presents detailed step-by-step instructions for performing an operational or maintenance task. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<step5>, and <step6-alt>***

CONTENT MODEL IS: (***precond***?, (***%p;***), (***%figtab;***)*)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

skilllevel The step is for novice only or for both novice and expert user.

DECLARED VALUE: Any character

DEFAULT VALUE = novice_expert

label Text to display prior to the step data. Used primarily for composition system that can not auto generate step label.

DECLARED VALUE: Any character

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

%qa; Any of the attributes in the associated attribute set may be used with this element. Refer to qa for a complete description.

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safeflght
Marks the task or a step in a procedure relating to safety of flight condition.
DECLARED VALUE: "yes" or "no"

crewmember
The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE: Any character

frame
Indicates to the IETM system the authors intended Frame break.
DECLARED VALUE: "yes" or "no"

date-time-stamp
How should the work package stamp be tracked for completion as time only, date only or time and date.
DECLARED VALUE: List (date, time, date-time)

warningref
Warnings that occur consecutively prior to the step and effective for the step. The link will be associated with warning to maintain the IETM persistent alert icon.
DECLARED VALUE: ID Reference (one or more)

cautionref
Cautions that occur consecutively prior to the step and effective for the step. The link will be associated with caution to maintain the IETM persistent alert icon.
DECLARED VALUE: ID Reference (one or more)

noteref
Notes that occur consecutively prior to the step and effective for the step. The link will be associated with note to maintain the IETM persistent alert icon.
DECLARED VALUE: ID Reference (one or more)

<step6-alt>
*Conditional Sixth Level Step – **Procedure***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<step5>***

CONTENT MODEL IS: (***step6***+)

OPTIONAL ATTRIBUTE(S)

id
An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

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<stitle> *Manual Subtitle* – ***Front Matter***

A TM subtitle placed immediately below the prime title to indicate the volume number and contents of every separately bound volume of a TM.

ELEMENT USED IN: ***<chgsheet>, <titleblk>, and <tmtitle>***

CONTENT MODEL IS: (***%format;*** | ***brk***)*

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<stl_partswp> *Repair Parts For Special Tools List* – ***Work Package***

The element is used when the special tool has repair parts that may be replaced at any maintenance level covered in the TM.

ELEMENT USED IN: ***<pim>, and <systemhierarchy>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***pi.category***+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<stlwp> *Special Tools List* – ***Work Package***

The special tools list work package contains lists and illustrations of all special tools, special TMDE, and special support equipment in accordance with the functional group codes.

ELEMENT USED IN: ***<pim>, and <systemhierarchy>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***pi.category***+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<storagewp> *Storage of Aircraft* – ***Work Package***

The work package contains, for each category of aircraft storage, a general discussion, procedures for preparing the complete aircraft for storage and removal from storage (excluding any information on when or why the

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aircraft are stored), and inspection document(s) and inspection procedure(s) references conducted before, during, and after storage.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <systembreakdown>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, (***flyable*** | ***short*** | ***intermediate***))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<stowagewp> *Stowage and Decal/Data Plate Guide* – ***Work Package***

The element lists and illustrates the location of all applicable COEI, BII, AAL items, decals and data plates. Operator only.

ELEMENT USED IN: ***<opim>, <systembreakdown>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, ***stowinfo***+, ***decalinfo****)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<stowinfo> *Information* – ***Aircraft Stowage***

The element contains the stowage information and illustration(s) that details the applicable COEI, BII, and AAL items locations.

ELEMENT USED IN: ***<stowagewp>***

CONTENT MODEL IS: (***intro***, ***figure***+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<street> *Street Address* – ***Address***

The element is the street information used in the address block.

ELEMENT USED IN: ***<address>***

CONTENT MODEL IS: (#PCDATA

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OPTIONAL ATTRIBUTE(S)

%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<string> *String* – ***Value Type***

Defining the data as a character string.

ELEMENT USED IN: ***<sendparameter>, and %value;***

CONTENT MODEL IS: (#PCDATA

<sub-contententry> *Subordinate Entry* – ***Table of Content – Front Matter***

The element groups each indenture level and then lists each the Table of Content entry for the indenture level.

ELEMENT USED IN: ***<contententry>***

CONTENT MODEL IS: (***contententry***+)

OPTIONAL ATTRIBUTE(S)

figuretable	Are the entries are either a table or figure and are formatted differently.
DECLARED VALUE:	"yes" or "no"

<subfig> *Multi-sheet* – ***Figure***

A multi-sheet figure is used when the figure spans more than one page. Each sheet may add additional text to figure title.

ELEMENT USED IN: ***<figure>***

CONTENT MODEL IS: (***subtitle***?, ((***graphic***, ***legend***?) | ***table*** | ***verbatim***))

OPTIONAL ATTRIBUTE(S)

id	An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE:	ID
idrefs	References the unique identifier of the figure containing the subordinate figure.
DECLARED VALUE:	ID Reference (one or more)

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sheet	The subordinate figure sheet number.
DECLARED VALUE:	Any character
totalsheets	The total number of subordinate figures.
DECLARED VALUE:	Any character
%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<subject> *TM Subject Matter*

The element contains addition qualifier information about the equipment or work package.

ELEMENT USED IN: ***<prtitle>, and <wp.metadata>***

CONTENT MODEL IS: (***%format;*** | ***brk***)*

OPTIONAL ATTRIBUTE(S)

%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.
%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<subpara1> *First Level Subordinate* – ***Titled Paragraph***

The element is nonprocedural data (i.e., description, theory, general information, etc.) at the second or first subordinate level hierarchy for titled paragraph narrative. Nonprocedural data does not permit warnings and cautions. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<para0>, and <subpara1-alt>***

CONTENT MODEL IS: (***precond***?, ***title***, ((***subpara2*** | ***subpara2-alt***)+ | ((***csi.alert****, ***note****, ***para***)+, (***subpara2*** | ***subpara2-alt***)*)))

OPTIONAL ATTRIBUTE(S)

crewmember	The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.
DECLARED VALUE:	Any character
%applidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.
%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

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<subpara1-alt> *Conditional First Level Subordinate – **Titled Paragraph***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<para0>***

CONTENT MODEL IS: (***subpara1***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<subpara2> *Second Level Subordinate – **Titled Paragraph***

The element is nonprocedural data (i.e., description, theory, general information, etc.) at the third or second subordinate level hierarchy for titled paragraph narrative. Nonprocedural data does not permit warnings and cautions. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<subpara1>, and <subpara2-alt>***

CONTENT MODEL IS: (***precond***?, ***title***, ((***subpara3*** | ***subpara3-alt***)+ | ((***csi.alert****, ***note****, ***para***)+, (***subpara3*** | ***subpara3-alt***)*)))

OPTIONAL ATTRIBUTE(S)

crewmember The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.

DECLARED VALUE: Any character

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

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<subpara2-alt> *Conditional Second Level Subordinate – **Titled Paragraph***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<subpara1>***

CONTENT MODEL IS: (***subpara2***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<subpara3> *Third Level Subordinate – **Titled Paragraph***

The element is nonprocedural data (i.e., description, theory, general information, etc.) at the fourth or third subordinate level hierarchy for titled paragraph narrative. Nonprocedural data does not permit warnings and cautions. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<subpara2>, and <subpara3-alt>***

CONTENT MODEL IS: (***precond***?, ***title***, ((***subpara4*** | ***subpara4-alt***)+ | ((***csi.alert****, ***note****, ***para***)+, (***subpara4*** | ***subpara4-alt***)*)))

OPTIONAL ATTRIBUTE(S)

crewmember The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.

DECLARED VALUE: Any character

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

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<subpara3-alt> *Conditional Third Level Subordinate* – ***Titled Paragraph***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<subpara2>***

CONTENT MODEL IS: (***subpara3***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<subpara4> *Fourth Level Subordinate* – ***Titled Paragraph***

The element is nonprocedural data (i.e., description, theory, general information, etc.) at the fifth or fourth subordinate level hierarchy for titled paragraph narrative. Nonprocedural data does not permit warnings and cautions. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<subpara3>, and <subpara4-alt>***

CONTENT MODEL IS: (***precond***?, ***title***, ((***csi.alert****, ***note****, ***para***)+))

OPTIONAL ATTRIBUTE(S)

crewmember The crew member that this information pertains to is specified. This will appear in the table prior to the beginning of the procedure.

DECLARED VALUE: Any character

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

%hcpesd; Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.

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<subpara4-alt> *Conditional Fourth Level Subordinate – **Titled Paragraph***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<subpara3>***

CONTENT MODEL IS: (***subpara4***+)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.

DECLARED VALUE: ID

<subscrpt> *Subscript*

Formats the text as subscript.

ELEMENT USED IN: ***%format;***

CONTENT MODEL IS: (#PCDATA

<substitute-matwp> *Substitute Material and Parts – **Work Package – BDAR***

This element list materials and parts that may be used for BDAR fixes. The lists includes primary material/part, the substitute/alternate material/part, and remarks (when applicable) that identify the limitations or degradation effected by substitute usage.

ELEMENT USED IN: ***<bdarcategory>, and <bim>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ((***intro***, ***%titldtext;***) | ***para***+))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<substring> *Substring Occurs Within String* – ***Boolean – Evaluation***

Returns "True" if the first string occurs anywhere within the second string, otherwise returns "False".

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<subsystem-system> *System/Subsystem Work Package Definition* – ***Work Package Metadata***

The element provides a method to identify the subsystem/system hierarchy structure. The first level is the current system/subsystem being referenced in the work package. Each subsequent referenced subsystem/system is at the next higher level.

ELEMENT USED IN: ***<subsystem-system>, and <wp.metadata>***

CONTENT MODEL IS: (***systemnomen***, ***subsystem-system****)

<subtitle> *Subordinate Figure Title* – ***Graphic***

When using subordinate figures, additional text may be appended to end of the figure title.

ELEMENT USED IN: ***<ctrlinddesc>, and <subfig>***

CONTENT MODEL IS: (***%format;***)*

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

<supdata> *Supporting Information for Repair Parts, Special Tools, and Support Equipment Statement* – ***General Information***

A reference to the common tools and equipment; special tools, TMDE, and support equipment; and the repair parts is entered within this supporting information element.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)+

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<super> *Supersedure Statement – **Notice***

A standard supersedure notice provided by the contracting activity when the TM, revision, or change under preparation supersedes other TMs or portions of TMs.

ELEMENT USED IN: ***<notices>***

CONTENT MODEL IS: (***title***?, ***para***)

<supitemwp> *Support Items – **Work Package***

The element is used when the data contained in the supporting list are minimal and the development of a separate work package is not required or practical. The work package contains any combination of the following supporting lists components of end item list, basic issue items list, expendable and durable items list, tool identification list, mandatory replacement parts list, critical safety items, and flight safety critical aircraft parts.

ELEMENT USED IN: ***<sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***?, ***coei***?, ***bii***?, ***aal***?, ***explist***?, ***toolidlist***?, ***mrpl***?, ***csi***?)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<supscrpt> *Superscript*

Formats the text as superscript

ELEMENT USED IN: ***%format;***

CONTENT MODEL IS: (#PCDATA

<surtsk> *Tasks – **Service Upon Receipt – Maintenance***

This element contains all tasks required in the service upon receipt.

ELEMENT USED IN: ***<surwp>***

CONTENT MODEL IS: ((***alignproc*** | ***ammo.defect*** | ***arm*** | ***chkeqp*** | ***extconn*** | ***install*** | ***mark*** | ***other.surtsk*** | ***pack*** | ***precal*** | ***prechkadj*** | ***preserv*** | ***processeqp*** | ***setconn*** | ***shltr*** | ***siting*** | ***unpack***), ***followon.maintsk***?)

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<surwp> *Service Upon Receipt* – ***Work Package***

The work package contains information required for the user to ensure that the equipment will be adequately inspected, serviced and operationally tested before it is subjected to use. If a piece of equipment requires extensive service upon receipt, this work package can be further subdivided into service upon receipt tasks.

ELEMENT USED IN: ***<aviationcategory>, <maintenancecategory>, <maintenancepm-cscategory>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***surtsk***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<symbol> *Symbol* – ***Graphic***

A graphic symbol not found in standard ISO character sets that is inserted as a graphic in text. A symbol should be stored either as vector (MIL-D-28000 or MIL-D-28003) or raster (MIL-R-28002) data.

ELEMENT USED IN: ***<haz-icons>, <hazard>, <link>, <sfty-icons>, and %misc;***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

%graphicatt; Any of the attributes in the associated attribute set may be used with this element. Refer to graphicatt for a complete description.

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<symptom> *Symptom* – ***Troubleshooting***

The element identifies the fault symptom.

ELEMENT USED IN: ***<faultproc>, and <muxproc>***

CONTENT MODEL IS: (***%text_ent;***)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<sys-ts> *System-Wide Troubleshooting Aviation* – ***Technical Manual***

This element contains the contents of a system-wide troubleshooting aviation manual. It consists of front matter paged-based, troubleshooting information chapter using troubleshooting aviation category, and a rear matter.

ELEMENT USED IN: ***<production>***

CONTENT MODEL IS: (***paper.frnt***, ***tim***, ***rear***)

REQUIRED ATTRIBUTE(S)

revno The revision number of the overall manual.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

pubno Specifies the technical manual publication number
DECLARED VALUE: Any character

multivolume Is the manual broken into volumes.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<sysdesc> *System Description* – ***Supporting Troubleshooting***

A description of the system/subsystem under test provided as supporting technical information; contained either as an optional introductory section of a troubleshooting work package or in a stand-alone technical description work package.

ELEMENT USED IN: ***%tsdata;***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<sysnomen> *Equipment Nomenclature* – ***Front Matter***

The official end item nomenclature covered in the TM. The element consists of a name and one or more optional identifying number elements: model number, part number, NSN, and/or EIC.

ELEMENT USED IN: ***<prtitle>***

CONTENT MODEL IS: (***name***, (***modelno***?, ***nsn***?, ***partno***?, ***eic***?)+)

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OPTIONAL ATTRIBUTE(S)

pretext — Any text that precedes the equipment nomenclature, e.g., "FOR" or "OF." This is the only mechanism for inserting such words on the front cover.

DECLARED VALUE: Any character

%changelevel; — Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%secur; — Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<systembreakdown> — *Work Packages* – ***System/Subsystem Hierarchy***

The element is used to define a system/subsystem structure. Any work package related to the system is located under this element. Subsystem levels are recursively referenced down to the lowest assemble level.

ELEMENT USED IN: ***<systembreakdown>, and <systemhierarchy>***

CONTENT MODEL IS: (***systemnomen***, (***descwp***, ***thrywp****)+, ***ctrlindwp****, ***opusualwp****, ***opunuwp****, ***emergencywp****, ***stowagewp****, ***eqploadwp****, ((***tsindxwp****, ***pshopanalwp***?, ***compchklistwp***?) | (***tsintrowp***, ***techdescwp****, ***tsindxwp****)), ((***tswp*** | ***opcheckwp*** | ***opcheck-tswp***)+ | ***diagnosticwp***+)?, ***surwp****, ***perseqpwp****, ***pmcswp****, (***auxeqpwp*** | ***pmiwp*** | ***lubewp*** | ***maintwp*** | ***gen.maintwp***)*, ***facilwp****, ***oipwp****, ***mobilwp****, ***qawp****, (***ammowp*** | ***ammo.markingwp*** | ***natowp*** | ***torquewp*** | ***inventorywp*** | (***manu_items_introwp***, ***manuwp***+) | ***storagewp*** | ***wtloadwp*** | ***wiringwp***)*, ***systembreakdown****)

<systemhierarchy> — *End Item* – ***System/Subsystem Hierarchy***

The element breaks down the end item work packages to the respective subsystems to the lowest defined work package subsystem item. Some work packages (i.e. general information) are intended for all subsystems and are not identified to any one subsystem item or group.

ELEMENT USED IN: ***<framed.manual>***

CONTENT MODEL IS: ((***revisionsummary*** | ***revisionsummary-alt***+), (***frntcover*** | ***frntcover-alt***+), ***overallsystem***, ***systembreakdown***+, ***systemref***, (***introwp***, ***plwp***+, ***stl_partswp***?, ***kitswp****, ***bulk_itemswp****, ***stlwp****, (***nsnindxwp***, ***pnindxwp***)?, ***refdesindxwp***?)?, ***dim***?, ***bim***?, (***da2028***+, ***authent***))

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<systemnomen> *Nomenclature* – ***System/Subsystem Hierarchy***

The element defines the system/subsystem nomenclature and any identification numbers.

ELEMENT USED IN: ***<subsystem-system>, and <systembreakdown>***

CONTENT MODEL IS: (***name***, (***nsn*** | ***%partid;*** | ***modelno*** | ***refdes*** | ***lcn*** | ***taskcode***)*)

<systemref> *Reference Work Packages* – ***System/Subsystem Hierarchy***

The element contains the general reference work packages not specifically addressed to any system/subsystem.

ELEMENT USED IN: ***<systemhierarchy>***

CONTENT MODEL IS: (***title***, (***stowagewp*** | ***eqploadwp*** | ***torquewp*** | ***inventorywp*** | ***storagewp*** | (***manu_items_introwp***, ***manuwp***+) | ***wtloadwp*** | ***wiringwp***)*, ***refwp***, (***macintrowp***, ***macwp***)?, ((***coeibiiwp***?, ***aalwp***?, ***explistwp***?, ***toolidwp***?, ***mrplwp***?, ***csi.wp***?) | ***supitemwp***), ***genwp****, ***glossary***?)

<systhry> *System* – ***Theory of Operation***

Identifies a system's theory of operation, which may include subordinate sections on subsystem theory. Theory of operation explains how the end item and its major systems work and interface in addition to the functional effect of switches, controls, and other devices. A simple system may only have one theory of operation work package whereas a large or complex system may contain system theory, subsystem theory, and component theory (LRU and SRU).

ELEMENT USED IN: ***<thryproc>, and <thrywp>***

CONTENT MODEL IS: (***%titldtext;***, (***ssysthry**** | (***lruthry****, ***sruthry****)))

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

frame Indicates to the IETM system the authors intended Frame break.

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = yes

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<tabdata> *Tabulated Data* – ***DMWR Ammunition Introduction***

Reference are made to the Tabulated Data, Military Specifications, and Drawings Work Package for the tabulated data.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<table> *CALS Table*

A table, which will consist at the least of a title ***<title>***, table group ***<tgroup>***, table body ***<tbody>***, row ***<row>*** s, and entry ***<entry>*** s.

ELEMENT USED IN: ***<bdar-manuitem>, <blank_form>, <damage-assesswp>, <faultreports>, <figure>, <item>, <loaddesc>, <manuitem>, <messageindx>, <oipwp>, <para>, <pmi-cklistwp>, <pms-inspecwp>, <pshopchk.tab>, <subfig>, <table-alt>, %figtab;, and %referencetype;***

CONTENT MODEL IS: (***precond***?, ***title***?, ***tgroup***+)

OPTIONAL ATTRIBUTE(S)

tabstyle A unique table style defined in the stylesheet that applies to the current table.
DECLARED VALUE: Name Token

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

frame Ruling around the table as top only, bottom only, top and bottom, sides, all, or none.
DECLARED VALUE: List (top | bottom | topbot | all | sides | none)

colsep Default for all items in this table. If one, display the internal column vertical rulings to the right of each item; if zero, do not display it. Ignored for the last column, where the frame setting applies.
DECLARED VALUE: List (0 | 1)

rowsep Default for all items in this column of the table. If one, display the internal horizontal row ruling below each item. If zero, do not display it. Ignored for the last row of the table, since the setting is overridden by the frame setting.
DECLARED VALUE: List (0 | 1)

orient Orientation of the entire table.
DECLARED VALUE: List (port (table writing direction, along rows, is parallel to the short side of page), or land (table writing direction is parallel to the long side of page).)

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label	Table number for style sheets that can not auto-generate numbers.
DECLARED VALUE:	Any character

<table-alt> *Conditional* – ***CALS Table***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<para>, and %figtab;***

CONTENT MODEL IS: (***table***+)

OPTIONAL ATTRIBUTE(S)

id	An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE:	ID
%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<tan> *Tangent* – ***Mathematical Function***

This element performs the trigonometry function "TAN" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

<tanh> *Tangent Hyperbolic* – ***Mathematical Function***

This element performs the trigonometry function "TANH" on a integer or real number state (variable) information.

ELEMENT USED IN: ***%trigop;***

CONTENT MODEL IS: EMPTY

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<taskcode> *Logistic Task Code* – ***Metadata***

The element identifies information about the task generated from the Logistic Support Analysis (LSA).

ELEMENT USED IN: ***<systemnomen>***

CONTENT MODEL IS: (#PCDATA

<tbody> *Body* – ***CALS Table***

The body of a table group; may be only table body ***<tbody>*** in the table or be multiple if there are multiple table group ***<tgroup>*** s. The columns specification ***<colspec>*** of the enclosing table group ***<tgroup>*** is the default specification for the enclosed table body ***<tbody>***.

ELEMENT USED IN: ***<tgroup>***

CONTENT MODEL IS: (***row***+)

OPTIONAL ATTRIBUTE(S)

valign Specifies the vertical alignment of content within the table body cells.

DECLARED VALUE: List (top, middle (vertically centered), bottom)

DEFAULT VALUE = top

<techdescwp> *Technical Information and Description* – ***Work Package***

A type of work package presenting technical description and other supporting information about a system or subsystem/assembly/component under test; it is presented in an independent section. Aviation Troubleshooting Technical Manual only.

ELEMENT USED IN: ***<systembreakdown>, and <troubleaviationcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***%wpsetup;***, ((***descproc***, ***ctrlindproc***?, ***thryproc***?) | (***ctrlindproc***, ***thryproc***?) | ***thryproc***))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<teref> *Tools and Equipment Reference* – ***Maintenance Allocation Chart***

A single reference to the corresponding tools and equipment (standard information) needed for the maintenance action.

ELEMENT USED IN: ***<terefs>***

CONTENT MODEL IS: EMPTY

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REQUIRED ATTRIBUTE(S)

refs A reference to the tools and equipment list.
DECLARED VALUE: ID Reference

<teref-group> *Entry – **Tools and Equipment Reference – Maintenance Allocation Chart***

The element is an entry for each tool referenced in the MAC. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<tereqtab>***

CONTENT MODEL IS: (***terefcode***, ***maintenance***, ***name***, ***nsn***, ***toolno***)

<terefcode> *Code – **Tools and Equipment Reference – Maintenance Allocation Chart***

The tools and equipment reference code (usually capital letter) that correlates to a reference code in the MAC. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<teref-group>***

CONTENT MODEL IS: (#PCDATA

REQUIRED ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

<terefs> *Tools and Equipment References – **Maintenance Allocation Chart***

Reference(s) to the required tools and equipment for the maintenance task found in the tools and equipment standard information. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<avqualify-2lvl>, and <qualify-2lvl>***

CONTENT MODEL IS: (***teref***+)

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<tereqtab> *Standard Information* – ***Tools and Equipment References – Maintenance Allocation Chart***

The element is the tools and test equipment list, both special and common, required to maintain the equipment as indicated in the MAC. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<macwp>***

CONTENT MODEL IS: (***title***, ***teref-group***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<term> *Term* – ***List***

The element is term is a word, phrase, acronym, symbol, or abbreviation in a definition and legend list.

ELEMENT USED IN: ***<legend.item>, <term.def>, and %linkdata;***

CONTENT MODEL IS: (***%format;*** | ***%linkref;***)*

OPTIONAL ATTRIBUTE(S)

idref Reference a definition.
DECLARED VALUE: ID Reference

<term.def> *Item* – ***Definition – List***

The element is an item contain a term and corresponding definition. The definition item requires an unique ID for referencing the term and definition in the narrative.

ELEMENT USED IN: ***<definitions>, <deflist>, and %linkdata;***

CONTENT MODEL IS: (***term***, ***def***)

OPTIONAL ATTRIBUTE(S)

id An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE: ID

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<test> *Test Procedure* – ***Logic Tree – Troubleshooting***

The element contains a series of steps and sub-steps that leads to an indication or condition.

ELEMENT USED IN: ***<maintsk>, <origin>, <testblock>, and %referencetype;***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<testblock> *Test Block* – ***Logic Tree – Troubleshooting***

A test block contains a test consisting of steps , which lead to an indication or condition. Based on these indications or conditions, a response is provided (usually "Yes" or "No"). Depending on the response selected, a test block or corrective action block is referenced to perform.

ELEMENT USED IN: ***<logicproc>***

CONTENT MODEL IS: (***%alert;***, ***test***+, ***indication***, ***answer***, ***answer***+)

REQUIRED ATTRIBUTE(S)

branchto References identifier(s) of branch or branches to which the user should proceed, which may depend on the outcome of any test or procedure at point of origin.
DECLARED VALUE: ID Reference (one or more)

branchfrom References the identifiers of the branch or branches from which the current branch has descended.
DECLARED VALUE: ID Reference

type Specifies the logical value associated with the current element. This value may be displayed in either paper or electronic display.
DECLARED VALUE: List (yes, no, pass, fail, true, nottrue, value, unantic (Unanticipated))

branch References the identifier(s) of the branch containing the current testblock.
DECLARED VALUE: ID

OPTIONAL ATTRIBUTE(S)

branchlabel Supplies an explicit reference to a branch.
DECLARED VALUE: Any character

valueloc Specifies the location (usually other properties) which supplies the value of the current property.
DECLARED VALUE: Name (one or more)

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valuetype	Specifies the form of the value in any value-related attribute.
DECLARED VALUE:	List (boolean, string, real, integer, float, sequence, set, nil, input, outcome)
value	Supplies an alphanumeric or numeric value if attribute "type" is "value".
DECLARED VALUE:	Any character

<testeqp>

Test Equipment – ***Initial Setup***

The element is the test equipment list required to perform the procedures in the work package.

ELEMENT USED IN: ***<initial_setup>***

CONTENT MODEL IS: (***testeqp-setup-item***+)

<testeqp-setup-item>

Test Equipment Setup Item – ***Initial Setup***

The element contains each test equipment nomenclature and reference item in test equipment list.

ELEMENT USED IN: ***<testeqp>***

CONTENT MODEL IS: (***name***, ***itemref***?)

OPTIONAL ATTRIBUTE(S)

%setupatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to setupatt for a complete description.

<testeval>

Test and Evaluation – ***Distribution Reason*** – ***Notice***

Indicates the distribution statement restriction reason as the Test and Evaluation and is defined as to protect results of test and evaluation of commercial products or military hardware when such disclosure may cause unfair advantage or disadvantage to the manufacturer of the product. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<b.statement>, and <e.statement>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

distreason	Distribution reason text for the distribution statement.
DECLARED VALUE:	Any character
DEFAULT VALUE =	Test and Evaluation

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<testflow> *Test Flow* – ***Supporting Data – Troubleshooting***

This element contains text, figures, and other means of presenting the flow of the troubleshooting testing.

ELEMENT USED IN: ***%tsdata;***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<testinspectioncategory> *Test and Inspection* – ***Information Category – Maintenance***

This element contains, for ammunition manuals, the requirements for ammunition test and inspection maintenance category.

ELEMENT USED IN: ***<mim>***

CONTENT MODEL IS: (***maintwp***+)

<testproc> *Test Procedure* – ***Operation Checkout – Troubleshooting***

The element is a series of steps and sub-steps that lead to an indication or condition.

ELEMENT USED IN: ***<opcheck>, and <opcheck-tsproc>***

CONTENT MODEL IS: (***checkstep***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<testwithoutstate> *Test Not Using State Information* – ***Diagnostic – Troubleshooting***

The element contains the test procedure(s) (node(s)) and prompts for simple yes/no and/or multi-option selection dialog boxes to determine the next action. Each selection will reference to another test node or corrective action. These tests do not use state (variable) informations to determine results or maintain information.

ELEMENT USED IN: ***<diagnosticwp>***

CONTENT MODEL IS: (***title***?, ***reasonfortest***?, ***%alert;***, ***%tsdata;***, ***hookup***?, (***%step;***)*, (***simple*** | ***multioption***)+, ***disconnect***?)

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OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<testwithstate> *Test Using State Information* – ***Diagnostic – Troubleshooting***

The element contains the test procedure (node) (if applicable use BIT/BITE testing), receive results from the test (sensor or human interaction), and evaluate the test results to determine the next test node or corrective action. When a precondition exists, the element is only executed if the condition is true.

ELEMENT USED IN: ***<diagnosticwp>, and <testwithstate-alt>***

CONTENT MODEL IS: (***precond***?, ***title***?, ***reasonfortest***?, (***%statemanipulation_ent;***)*, ***%alert;***, (***%hookup_ent;***)?, (***%diagnostic-test_ent;***)*, ((***%step;***, (***%step;*** | ***evaluate*** | ***%diagnostic-test_ent;***)*, ***followon.maintsk***?) | (***evaluate***, (***evaluate*** | ***%diagnostic-test_ent;***)*)), (***%disconnect_ent;***)?)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<testwithstate-alt> *Conditional Test Using State Information* – ***Diagnostic – Troubleshooting***

The element provides multiple element options depending on the result from the precondition state (variable) information. Zero or one conditional element can be selected for any given condition.

ELEMENT USED IN: ***<diagnosticwp>***

CONTENT MODEL IS: (***testwithstate***+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<text> *Narrative Text*

The element contain general narrative text.

ELEMENT USED IN: ***<avail>, <bdar-limitation>, <choice>, <default>, <general_purpose_notices>, <hazdesc>, <option>, <sftydesc>, and <totalnumberof>***

CONTENT MODEL IS: (***%format;*** | ***%linkref;***)*

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<tgroup> *Group – **CALS Table***

A table group within the larger table, which may contain a table head ***<thead>***, table body ***<tbody>***. Each ***<tgroup>*** effectively identifies a new portion of a table ***<table>***. If a new columns specification ***<colspec>*** is provided, it replaces a previous one.

ELEMENT USED IN: ***<table>***

CONTENT MODEL IS: (***colspec****, ***spanspec****, ***thead***?, ***tbody***)

REQUIRED ATTRIBUTE(S)

cols Specifies number of columns in the table group.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

align Specifies the horizontal alignment of content within the column.
DECLARED VALUE: List (left (flush left), center (centered), right (flush right), justify (both flush left and flush right), or char (align on leftmost of a specified character, positioned in column by charoff attribute).)

DEFAULT VALUE = left

char For align="char," the value is the single alignment character around which the entry is aligned; the first occurrence of the character is used as the alignment point. Entries not containing this character are aligned to the left of this position.
DECLARED VALUE: Any character

DEFAULT VALUE = ' ' (no character) (defined to ensure that the high-level default will not affect lower levels of the table)

charoff For align="char," horizontal character offset is the percent of the current column width to the left of the (left edge of the) alignment character.
DECLARED VALUE: Any character

DEFAULT VALUE = 50

colsep Default for all items in this table group. If one, display the internal column vertical rulings to the right of each item; if zero, do not display it. Ignored for the last column, where the frame setting applies.
DECLARED VALUE: List (0 | 1)

rowsep Default for all items in this table group. If one, display the internal horizontal row ruling below each item. If zero, do not display it. Ignored for the last row of the table, where the frame value applies.
DECLARED VALUE: List (0 | 1)

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tgroupstyle An attribute that allows for the case in which a table group style defined in the style sheet applies to the current table group.

DECLARED VALUE: Name Token

<thead> *Heading* – ***CALS Table***

The heading information in a table ***<table>***, which must be contained in a table group ***<tgroup>*** element. Headings are displayed at the top of the table ***<table>*** and again at the top of any continuation after a physical break between rows ***<row>*** in table body ***<tbody>***.

ELEMENT USED IN: ***<tgroup>***

CONTENT MODEL IS: (***colspec****, ***row***+)

OPTIONAL ATTRIBUTE(S)

valign Specifies the vertical alignment of content within the header.

DECLARED VALUE: List (top | middle | bottom)

DEFAULT VALUE = bottom

<then> *Then Perform Action* – ***Evaluation***

The element contains the actions after a evaluation has satisfied a condition (either If evaluated to "True" or a loop meet the terminating condition).

ELEMENT USED IN: ***<elseif>, <if>, <loop>, and <loopfor>***

CONTENT MODEL IS: ((***resultwithstate***, ***evaluate***?) | ***evaluate***)

<thryproc> *Procedure* – ***Theory of Operation***

This element contains information from the Theory of Operation to support troubleshooting procedures in a technical description work package.

ELEMENT USED IN: ***<techdescwp>***

CONTENT MODEL IS: (***systhry***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<thrywp> *Theory of Operation* – ***Work Package***

Identifies a theory of operation work package that contains a functional description on how the equipment and its components function and interface. The LSA/MAC dictates the level of detail presented in this work package.

ELEMENT USED IN: ***<gim>, <overallsystem>, and <systembreakdown>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***?, ***systhry***+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<tim> *Troubleshooting* – ***Information Chapter***

The element contains all the troubleshooting information and procedures authorized to be performed at the stated maintenance level; a manual with more than one maintenance level may include a troubleshooting chapter or each level. There are nine types of work packages that may be included in the troubleshooting chapter(s): an introductory work package, an index to troubleshooting procedures work package , technical information and description work package, preshop analysis work package, component checklist work package, operational checkout and troubleshooting procedures work package , operational checkout work package, troubleshooting procedures work package, and intrusive diagnostic work package.

ELEMENT USED IN: ***<functionhierarchy>, <paper.manual>, and <sys-ts>***

CONTENT MODEL IS: (***titlepg***, (***masterindexcategory*** | ***troublecategory*** | ***troubleaviationcategory*** | ***troubledmwrnmwrcategory***))

OPTIONAL ATTRIBUTE(S)

%imatt; Any of the attributes in the associated attribute set may be used with this element. Refer to imatt for a complete description.

<time.to.comp> *Estimated Time to Complete the Task* – ***Initial Setup***

An element contains the estimated time to complete the work package.

ELEMENT USED IN: ***<bdar-persn-item>, <initial_setup>, and %optdwgreq;***

CONTENT MODEL IS: EMPTY

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REQUIRED ATTRIBUTE(S)

hrs The estimated amount of hours to complete the operating task.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

applicable Reference to the applicable configuration(s) specified in the WP identification information. When using an IETM that can filter information, this information is not presented when not applicable to the current configuration. Presentations that do not filter information, the information will be identified by the assigned associated abbreviation to designate applicability of the information.
DECLARED VALUE: ID Reference (one or more)

<times> *Multiplication* – ***Mathematical Function***

Return the value of the first number times the second number. The return value is a real unless both numbers are integers.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<title> *Title*

The element is the object's title.

ELEMENT USED IN: ***<aal>, <aal-category>, <aindx>, <authorize_to_destroy>, <avail>, <avmac>, <bdar-limitation>, <bdar-manuitem>, <bdar-mtrl-tools>, <bdar-persn>, <bdar-repair>, <bdar-repair-option>, <bii-category>, <bii-opt>, <biitab>, <chghistory>, <chgpagelist>, <chgsheet>, <chgwplist>, <chkeqp>, <coei-category>, <coei-opt>, <coeitab>, <comp-item>, <contententry>, <contents>, <crit.insp.tab>, <csi.tab>, <ctrlinddesc>, <ctrlindproc>, <ctrlindtab>, <decalinfo>, <defect.tab>, <definitions>, <deflist>, <dialog>, <dialog-group>, <eqpdata>, <eqpdesc>, <eqpinfo>, <expdur-category>, <explist>, <faultproc>, <faultreports>, <figure>, <flowchart>, <fluid.leakage>, <general_purpose_notices>, <geninfo>, <glossary>, <hazard>, <hazdesc>, <hazmat>, <howtouse>, <indexentry>, <indication>, <initial_setup>, <instructplt>, <legend>, <link>, <loaddesc>, <locdesc>, <loepwp>, <logicproc>, <mac>, <manuindx>, <manuitem>, <material-list>, <message>, <messageindx>, <mfrr>, <mobilreq>, <mobiltab>, <mrpl>, <mrpl-category>, <mrplpart>, <multioption>, <oiptab>, <on-board-spares>, <on-board-spares-opt>, <opcheck>, <opcheck-tsproc>, <orsch>, <orsch.tab>, <overallsystem>, <para0>, <pecul.insp.tab>, <pmcsproc>, <pmcstable>, <pmi.pecul.tab>, <pms-para>, <proc>, <pubident>, <publist>, <randlist>, <remarktab>, <report_destruct>, <reporting>, <revisionsummary>, <safety>, <seqlist>, <sftydesc>, <simple>, <subpara1>, <subpara2>, <subpara3>, <subpara4>, <super>, <systemref>,***

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<table>, <tereqtab>, <testwithoutstate>, <testwithstate>, <title.term.def>, <titleblk>, <tool-category>, <toolidlist>, <tsindx.messageword>, <tsindx.messageword-category>, <tsindx.symptom>, <tsindx.symptom-category>, <tsindx.system>, <tsindx.system-category>, <warninfo>, <wiringdiag>, <wpidinfo>, and %titldtext;

CONTENT MODEL IS: (*%text_ent;* | *brk*)*

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<title.term.def> *Term and Definition Titles* – ***Definition – List***

The element provides a title for term and definition column.

ELEMENT USED IN: *<deflist>*

CONTENT MODEL IS: (*title*, *title*)

<titleblk> *Title Block Page* – ***Front Matter***

The title block material in the TM's front matter repeats identifying information from the front cover, including the prime title; it also includes the Reporting Errors statement.

ELEMENT USED IN: *<paper.frnt>, and <volume>*

CONTENT MODEL IS: (*chgno*?, (*title*?, *servnomen*)+, *city*, *state*, *date*, *prtitle*, (*stitle*, *weapons_system*?)?, *reporting*+, *pm.warning.data*?, *notices*)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

currentasofdate Current date of the publication information.
DECLARED VALUE: Any character

<titlepg> *Information Chapter Title Page* – ***Information Chapter***

A title page preceding an information chapter.

ELEMENT USED IN: *<baim>, <bim>, <brim>, <dim>, <gim>, <mim>, <opim>, <pim>, <sim>, and <tim>*

CONTENT MODEL IS: ((*name*, (*partno* | *modelno* | *nsn*)*)+, *contents*?)

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REQUIRED ATTRIBUTE(S)

maintlvl Maintenance level for the chapter.
DECLARED VALUE: List (%MaintLevel;)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<tminfono> *Technical Manual Number and Service Branch* – ***Front Matter***

The combination of branch of service (optional) and technical manual number (required) constitutes a unique identification of the TM. If the TM is used by more than one service branch, the proponent's TM number appears first.

ELEMENT USED IN: ***<tmtitle>, and <wp.metadata>***

CONTENT MODEL IS: (***servbranch***, ***tmno***)

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<tmno> *Technical Manual Number* – ***Front Matter***

The number portion of the TM identifying number contained in the element technical manual number and service branch.

ELEMENT USED IN: ***<tminfono>, and <tmtitle>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<tmtitle> *Technical Manual Title* – ***Front Matter***

This element contains all the elements that identify a manual, including the manual number, primary title, and subtitle.

ELEMENT USED IN: ***<frntcover>, and <frntcover_abbreviated>***

CONTENT MODEL IS: (((***tminfono***, ***tminfono***+) | ***tmno***), ***prtitle***, (***stitle***, ***weapons_system***?)?)

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OPTIONAL ATTRIBUTE(S)

%changelevel;	Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.
%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

<tool-category> *Category* – ***Tool Identification List – Supporting***

If a list is subdivided into parts, for example by subassemblies, the category element is used. After the category element is entered, the category title and the specific entries are entered.

ELEMENT USED IN: ***<toolidlist>***

CONTENT MODEL IS: (***title***, ***tool-entry***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<tool-entry> *Entry* – ***Tool Identification List – Supporting***

The element is a entry in the tool identification list. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<tool-category>, and <toolidlist>***

CONTENT MODEL IS: (***itemno***, ***name***, ***nsn***, ((***partno***, ***cageno***) | ***partcage***+), (***%extref_ent;***)?)

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<toolidlist> *Standard Information* – ***Tool Identification List – Supporting***

The tool identification list is standard information includes all tools required to perform any procedure in the technical manual.

ELEMENT USED IN: ***<bdartoolswp>, <supitemwp>, and <toolidwp>***

CONTENT MODEL IS: (***title***, (***tool-category***+ | ***tool-entry***+))

OPTIONAL ATTRIBUTE(S)

%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<toolidwp> *Tool Identification List* – ***Work Package***

The tool identification work package includes the scope and a listing of all tools required by the technical manual. Only for unit maintenance level or above.

ELEMENT USED IN: ***<sim>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, ***toolidlist***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<toolno> *Tool Number* – ***Tools and Test Equipment Requirement – Supporting***

Tool identification number in Tools and Test Equipment Requirement standard information.

ELEMENT USED IN: ***<teref-group>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<tools> *Tools* – ***Initial Setup***

An element that lists all the tools required to perform the work package.

ELEMENT USED IN: ***<initial_setup>, and %opttesteqp;***

CONTENT MODEL IS: (***tools-setup-item***+)

<tools-setup-item> *Tools Setup Item* – ***Initial Setup***

The element contains each tool nomenclature and reference item in tools list.

ELEMENT USED IN: ***<bdar-mtrl-tools>, and <tools>***

CONTENT MODEL IS: (***name***, ***itemref***?)

OPTIONAL ATTRIBUTE(S)

%setupatt; Any of the attributes in the associated attribute set may be used with this element. Refer to setupatt for a complete description.

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<torque> *Torque Value or Limit*

A torque value or limit embedded in the text or table entry.

ELEMENT USED IN: ***%misc;***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%bodyatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.

measurement Units measuring the torque (lb-in)
DECLARED VALUE: Any character

<torqueval> *Torque Values*

The element describes the torque requirements.

ELEMENT USED IN: ***<torquewp>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<torquewp> *Torque Limits – **Work Package***

The torque limits work package includes the scope of the work package and all torque values. Tables or narrative presentations are permitted. This work package is for -20 or AVUM Level and above.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <systembreakdown>, <systemref>, and %mimsupport;***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***intro***, ***torqueval***)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<totalnumberof> *Total Number of Changes* – ***LOEP/WP***

The element contains the total number of pages, figures and/or work packages narrative in the LOEP/WP.

ELEMENT USED IN: ***<loepwp>***

CONTENT MODEL IS: (***text***, ((***totnum.volumes***?, ***text***?, ***totnum.frnt-rear-pages***, ***text***, ***totnum.wps***) | (***totnum.pages***, ***text***, ***totnum.figures***, ***text***, ***totnum.wps***)), ***text***)

REQUIRED ATTRIBUTE(S)

type The total number of category.
DECLARED VALUE: List (volume | frnt-rear | wp | pages | figures)

<totnum.figures> *Total Number of Figures* – ***LOEP/WP***

Specifies the total number of figures in the TM used in the LOEP/WP introduction paragraph.

ELEMENT USED IN: ***<totalnumberof>***

CONTENT MODEL IS: (#PCDATA

<totnum.frnt-rear-pages> *Total Number of Front and Rear Matter Pages* – ***LOEP/WP***

Specifies the total number of front and rear matter pages in the TM used in the LOEP/WP introduction paragraph.

ELEMENT USED IN: ***<totalnumberof>***

CONTENT MODEL IS: (#PCDATA

<totnum.pages> *Total Number of Pages* – ***LOEP/WP***

Specifies the total number of pages in the TM used in the LOEP/WP introduction paragraph.

ELEMENT USED IN: ***<chghistory>, and <totalnumberof>***

CONTENT MODEL IS: (#PCDATA

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<totnum.volumes> *Total Number of Volumes* – ***LOEP/WP***

Specifies the total number of volumes in the TM used in the LOEP/WP introduction paragraph.

ELEMENT USED IN: ***<totalnumberof>***

CONTENT MODEL IS: (#PCDATA

<totnum.wps> *Total Number of Work Packages* – ***LOEP/WP***

Specifies the total number of work packages in the TM used in the LOEP/WP introduction paragraph.

ELEMENT USED IN: ***<totalnumberof>***

CONTENT MODEL IS: (#PCDATA

<tow> *Towing* – ***Maintenance Task***

A maintenance task for towing the equipment including all safety requirements.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<tracking> *Track Change History* – ***Work Package Metadata***

ELEMENT USED IN: ***<wp.metadata>***

CONTENT MODEL IS: (***change.history***+)

<trim.para> *Reduced Paragraph*

The element has the same usage as paragraph element, but reducing the content model. Several elements (i.e., alerts) require the removal of graphic, figure, table, and list.

ELEMENT USED IN: ***<aindx>, <caution>, <caution.group>, <chglist>, <chgsheet>, <config>, <csi.alert>, <ctrlinddesc>, <entry>, <eqpnotavail>, <glossary>, <issuechg>, <loepwp>, <note>, <note.group>, <publist>, <wiringdiag>, and %warning_ent;***

CONTENT MODEL IS: (***%trimcontent;***)*

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OPTIONAL ATTRIBUTE(S)

%hcpesd;	Any of the attributes in the associated attribute set may be used with this element. Refer to hcpesd for a complete description.
%bodyidatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<troubleaviationcategory> *Aviation* – ***Information Category – Troubleshooting***

This element groups the aviation troubleshooting work package as specified in MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<tim>***

CONTENT MODEL IS: (***tsintrowp***?, ***techdescwp****, ***tsindxwp****, ((***tswp*** | ***opcheckwp*** | ***opcheck-tswp***)+ | ***diagnosticwp***+))

<troublecategory> *Standard* – ***Information Category – Troubleshooting***

This element groups the standard troubleshooting work packages as specified in MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<tim>***

CONTENT MODEL IS: (***tsintrowp***?, ***tsindxwp****, ((***tswp*** | ***opcheckwp*** | ***opcheck-tswp***)+ | ***diagnosticwp***+))

<troubledmwrnmwrcategory> *DMWR/NMWR* – ***Information Category – Troubleshooting***

This element wraps the DMWR/NMWR troubleshooting work packages as specified in MIL-STD-40051-1A and MIL-STD-40051-2A.

ELEMENT USED IN: ***<tim>***

CONTENT MODEL IS: (***tsintrowp***?, ***tsindxwp****, ***pshopanalwp***, ***compchklistwp***?, ((***tswp*** | ***opcheckwp*** | ***opcheck-tswp***)* | ***diagnosticwp****))

<true> *True* – ***Boolean Value***

Assign the Boolean value to "True".

ELEMENT USED IN: ***<boolean>***

CONTENT MODEL IS: EMPTY

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<trunc> *Integer Truncation* – ***Mathematical Function***

Returns the real number truncated to the integer value.

ELEMENT USED IN: ***%unop;***

CONTENT MODEL IS: EMPTY

<tsindx.messageword> *Standard Information* – ***Message Word Index – Troubleshooting***

The element index lists the built-in test code/fault message word, which specifies the related troubleshooting procedures and referenced to the applicable testing and troubleshooting WP, maintenance WP, or required corrective action. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<tsindxwp>***

CONTENT MODEL IS: (***title***, (***tsindx.messageword-category***+ | ***tsindx.messageword-entry***+))

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<tsindx.messageword-category> *Category* – ***Message Word Index – Troubleshooting***

For complex systems, list message words by subsystem or group categories. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<tsindx.messageword>***

CONTENT MODEL IS: (***title***, ***tsindx.messageword-entry***+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<tsindx.messageword-entry> *Entry* – ***Message Word Index – Troubleshooting***

The element contains each individual message word troubleshooting entry that specifies the built-in test code/fault message word and referenced to the applicable testing and troubleshooting WP, maintenance WP, or required corrective action. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<tsindx.messageword>, and <tsindx.messageword-category>***

CONTENT MODEL IS: (***messageword***+, (***action*** | ***%linkref;***))

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OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<tsindx.symptom> *Standard Information* – ***Symptom Index – Troubleshooting***

The element index lists the fault or symptom description, which specifies the related troubleshooting procedures and referenced to the applicable testing and troubleshooting WP, maintenance WP, or required corrective action. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<tsindxwp>***

CONTENT MODEL IS: (***title***, (***tsindx.symptom-category***+ | ***tsindx.symptom-entry***+))

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<tsindx.symptom-category> *Category* – ***Symptom Index – Troubleshooting***

For complex systems, list symptoms by subsystem or group categories. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<tsindx.symptom>***

CONTENT MODEL IS: (***title***, ***tsindx.symptom-entry***+)

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<tsindx.symptom-entry> *Entry* – ***Symptom Index – Troubleshooting***

The element contains each individual symptom troubleshooting entry that specifies the fault or symptom description and referenced to the applicable testing and troubleshooting WP, maintenance WP, or required corrective action. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<tsindx.symptom>, and <tsindx.symptom-category>***

CONTENT MODEL IS: (***malfunc***+, (***action*** | ***%linkref;***))

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

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<tsindx.system> *Standard Information* – ***System Index – Troubleshooting***

The element index lists the specific systems, subsystems, assemblies or components requiring troubleshooting and referenced to the applicable testing and troubleshooting WP, maintenance WP, or required corrective action. In page-based, this element functions as the table element.

ELEMENT USED IN: ***<tsindxwp>***

CONTENT MODEL IS: (***title***, (***tsindx.system-category***+ | ***tsindx.system-entry***+))

OPTIONAL ATTRIBUTE(S)

%stdinfoatt; Any of the attributes in the associated attribute set may be used with this element. Refer to stdinfoatt for a complete description.

<tsindx.system-category> *Category* – ***System Index – Troubleshooting***

For complex systems, list by subsystem or group categories

ELEMENT USED IN: ***<tsindx.system>, and <tsindx.system-category>***

CONTENT MODEL IS: (***title***, ((***tsindx.system-entry***+, ***tsindx.system-category****) | ***tsindx.system-category***+))

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

<tsindx.system-entry> *Entry* – ***System Index – Troubleshooting***

The element contains each individual system troubleshooting entry that specifies the fault or symptom description and referenced to the applicable testing and troubleshooting WP, maintenance WP, or required corrective action. In page-base, the element is equivalent to a "row" element in a table.

ELEMENT USED IN: ***<tsindx.system>, and <tsindx.system-category>***

CONTENT MODEL IS: (***name***, (***action*** | ***%linkref;***))

OPTIONAL ATTRIBUTE(S)

%applidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to applidatt for a complete description.

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<tsindxwp> *Troubleshooting Index – **Work Package***

A work package containing a reference index to referenced to the applicable testing and troubleshooting WP, maintenance WP, or required corrective action.

ELEMENT USED IN: ***<masterindexcategory>, <overallsystem>, <systembreakdown>, <troubleaviationcategory>, <troublecategory>, and <troubledmwrnmwrcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***geninfo***?, (***tsindx.system*** | ***tsindx.symptom*** | ***tsindx.messageword***))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<tsintrowp> *Aviation Troubleshooting Introduction – **Work Package***

An introductory work package to the aviation troubleshooting chapter. The element contains any general information needed to supplement the troubleshooting procedures, such as "how to use troubleshooting procedures" information.

ELEMENT USED IN: ***<overallsystem>, <systembreakdown>, <troubleaviationcategory>, <troublecategory>, and <troubledmwrnmwrcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***geninfo***?, ((***%para0_ent;***)+ | ***para*** | ***howtouse***))

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<tsproc> *Procedures – **Troubleshooting***

A distinct unit of troubleshooting procedures based on the type of system, equipment or assembly/subassembly, the target audience description, and the maintenance level of the operator. Troubleshooting procedures has three methods for diagnosing the fault symptoms: logical procedure, fault procedures, and multiplex read code data.

ELEMENT USED IN: ***<tswp>***

CONTENT MODEL IS: (***logicproc***+ | ***faultproc***+ | ***muxproc***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<tswp> *Troubleshooting Procedures* – ***Work Package***

Start-to-finish troubleshooting procedures work package, which result in fault isolation and rectification and ultimately either a return to readiness status or referral to a higher maintenance level. Troubleshooting procedures can be presented in tabular or narrative format or in diagrammatic flow trees. In electronic presentations the element may be made up of simple sequential nodes (ETMs) or be traversed as filtered nodes (IETMs). Work packages may be qualified by skill level, maintenance level, and configuration applicability.

ELEMENT USED IN: ***<systembreakdown>, <troubleaviationcategory>, <troublecategory>, and <troubledmwrnmwrcategory>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***intro***?, (***%tsdata;*** | ***para***)*, ((***hookup***, ***tsproc***, ***disconnect***) | ***tsproc***), ***followon.maintsk***?)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

<typedes> *Type Designation* – ***Maintenance Allocation Chart***

The equipment type designation.

ELEMENT USED IN: ***<compassem>***

CONTENT MODEL IS: (#PCDATA

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<ui> *Unit of Issue* – ***Supporting Information***

The unit of issue for supporting work packages. In page-base, the element is equivalent to an "entry" element in a table.

ELEMENT USED IN: ***<aal-entry>, <bii-entry>, <bii-opt-entry>, <coei-entry>, <coei-opt-entry>, <expdur-entry>, and <pi.item>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

um Unit of Measure
DECLARED VALUE: Any character

<unload> *Unload* – ***Maintenance Task***

Instructions for removing assets from a transportation medium (e.g., pallet, truck, container) or munitions from a weapon/weapon system are prepared as required to support the specific equipment.

ELEMENT USED IN: ***<maintsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<unpack> *Unpacking* – ***Maintenance Task***

A service upon receipt task containing all unpacking information. Includes tools and equipment required, man-hour and manpower requirements, step-by-step procedures and other special actions required during unpacking.

ELEMENT USED IN: ***<ammowp>, <maintsk>, <surtsk>, and %ammo_ent;***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

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<unusualenv> *Unusual Environment/Weather* – ***Operator Task***

An unusual conditions operational task containing procedures for operating the equipment in unusual environment/weather conditions such as extreme heat or cold, sea spray, dust storm, snow, mud, or similar conditions.

ELEMENT USED IN: ***<opunutsk>***

CONTENT MODEL IS: (***proc***)

OPTIONAL ATTRIBUTE(S)

%taskatt; Any of the attributes in the associated attribute set may be used with this element. Refer to taskatt for a complete description.

<uoc> *Usable On Code*

If more than one applicable model exists, it is identified by the usable on code.

ELEMENT USED IN: ***<dcpno>, <fncgrp>, <pi.item>, <range>, <set>, and <single>***

CONTENT MODEL IS: (#PCDATA

<usbefserno> *Usable Effective Serial Numbers* – ***Parts Information***

This element contains the statement to identify the usable effective serial numbers when part numbers of spare/repair items are not the same for all serial numbered equipment of the same model. The associated attributes are used to enter the usable effective serial numbers.

ELEMENT USED IN: ***<pi.item>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

beginserno The first part of the usable effective serial number.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

endserno The last part of the usable effective serial number.
DECLARED VALUE: Any character

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<validate> *Fill-In Validation – **Dialog Box***

Provides the capability to validate fill-in entry through evaluating the fill-in variable value against the expression.

ELEMENT USED IN: ***<fillin>***

CONTENT MODEL IS: (***expression***)

<variable> *State (Variable) Information Declaration – **Expression***

The element declares a state (variable) information name, description, value type, and scope used.

ELEMENT USED IN: ***<statemanipulation>***

CONTENT MODEL IS: (***initialize***?, (***%dialog_ent;***)?, ***mdc****)

REQUIRED ATTRIBUTE(S)

name The referenced state (variable) information name used by the logic engine.
DECLARED VALUE: Any character

OPTIONAL ATTRIBUTE(S)

description The state (variable) information description.
DECLARED VALUE: Any character

config Is this a configuration item?
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

value-type Value declaration type
DECLARED VALUE: List (%value;)
DEFAULT VALUE = integer

precision Level of precision of real type data
DECLARED VALUE: Any character

scope This state (variable) information is global scope only. The local scope capability is a future addition.
DECLARED VALUE: List (%variable_entscope;)
DEFAULT VALUE = Global

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<variableref> *State (Variable) Information Reference – **Expression***

The element is used to reference the state (variable) information name, stored in the viewer's state information memory, for the purpose to update the state (variable) information or to use the value in an evaluation.

ELEMENT USED IN: ***<default>, <fillin>, <high-bound>, <low-bound>, <messageline>, <prompt>, <receiveparameter>, <sendparameter>, <statemanipulation>, and %variable_ent;***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

name Reference to the state (variable) information name.
DECLARED VALUE: Any character

<verbatim> *Verbatim Text*

Text to be presented verbatim as it is sequenced in the text stream and implies that XML record ends are to be treated as line endings. Typically, verbatim text is presented in a mono-spaced font.

ELEMENT USED IN: ***<figure>, <para>, and <subfig>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

xml:space Specifies XML will preserve space and line break characters.
DECLARED VALUE: List (preserve)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.

<vol-rear> *Back Matter of Volume*

The rear or back matter of a volume. This element is used to insert the rear matter only, not to indicate a containment relationship relative to surrounding TM body matter.

ELEMENT USED IN: ***<pim>, and %volumegroup;***

CONTENT MODEL IS: (***rear***)

<voltage> *Voltage Measurement*

Identifies a critical voltage measurement.

ELEMENT USED IN: ***%misc;***

CONTENT MODEL IS: (#PCDATA

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OPTIONAL ATTRIBUTE(S)

%bodyatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to bodyatt for a complete description.
measurement	Units the volts are measured with.
DECLARED VALUE:	Any character

< volume> *Volume*

An element containing the front matter for a volume, including the front cover, warning summary, and title block. This element is used to insert the front matter only, not to indicate a containment relationship relative to surrounding TM body matter.

ELEMENT USED IN: ***%volumegroup;***

CONTENT MODEL IS: (***frntcover***, ***promulgation****, ***warnsum***?, ***chgsheet****, ***loepwp***, ***titleblk***, ***contents***)

OPTIONAL ATTRIBUTE(S)

tocentry	Defines the indenture level in the TOC. When the level is zero, no entry in the TOC is used.
DECLARED VALUE:	List (0 | 1 | 2 | 3 | 4 | 5)
DEFAULT VALUE =	1
label	Provides volume number for composition systems that cannot auto-generate.
DECLARED VALUE:	Any character
id	An identifier of the element which is assigned at origination and which remains unchanged as the document is revised or updated even though the automatically assigned enumeration or manually-assigned "labels" change (in some cases many times). The value of the "id" is used when making references to the element from other portions of the document. If no ID is given, none will be maintained and the element can then not be cross-referenced by means of an IDREF on another element or with local linking element.
DECLARED VALUE:	ID

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<warninfo> *General Warning Information* – ***Warning Summary***

A portion of the warning summary that contains general-purpose warnings or cautions, such as radiation or laser light It can also contain general safety instructions.

ELEMENT USED IN: ***<warnsum>***

CONTENT MODEL IS: (***title***?, ***para***?, ***warning***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<warning> *Warning* – ***Alert***

A warning contains an operation, procedure, or statement that if not performed properly may result in personal injury or death. A warning must appear on the same page or screen as the procedure, step, or paragraph to which it applies.

ELEMENT USED IN: ***<pm.warning.data>, <pms-para>, <specpara>, <warninfo>, and %alert;***

CONTENT MODEL IS: ((***warning.group***, ***warning.group***+) | ***%warning_ent;***)

OPTIONAL ATTRIBUTE(S)

haz-abbrev Use abbreviated warning by hazard icon(s) and signal word only.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<warning.group> *Grouped Warnings* – ***Alert***

Narrative for multiple warnings grouped into a single warning item.

ELEMENT USED IN: ***<warning>***

CONTENT MODEL IS: (***%warning_ent;***)

OPTIONAL ATTRIBUTE(S)

haz-abbrev Use abbreviated warning by hazard icon(s) and signal word only.
DECLARED VALUE: "yes" or "no"
DEFAULT VALUE = No

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

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<warnsum> *Warning Summary*

The warning summary consists of first-aid information, safety warning icon definitions, general warnings, and warning hazard icon definitions.

ELEMENT USED IN: ***<framed.frnt>, <overallsystem>, <paper.frnt>, <volume>, and <warnsum-alt>***

CONTENT MODEL IS: (***para***, ***first_aid***, ***safety***?, ***warninfo***, ***hazmat***?)

OPTIONAL ATTRIBUTE(S)

tocentry Defines the indenture level in the TOC. When the level is zero, no entry in the TOC is used.

DECLARED VALUE: List (0 | 1 | 2 | 3 | 4 | 5)

DEFAULT VALUE = 2

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<warnsum-alt> *Warning Summary Alternative*

When alternative warning summaries are needed for manual with multiple configurations.

ELEMENT USED IN: ***<framed.frnt>, and <overallsystem>***

CONTENT MODEL IS: (***warnsum***)

<weapons_system> *Weapon System Title*

Specifies the weapons system component title for the TM cover page.

ELEMENT USED IN: ***<chgsheet>, <titleblk>, and <tmtitle>***

CONTENT MODEL IS: (***%format;*** | ***brk***)*

<weightinst> *Weighing Instructions* – ***Aircraft Weighing and Loading***

Descriptions and instructions are prepared for aircraft loading, and computing weight and balance information.

ELEMENT USED IN: ***<wtloadwp>***

CONTENT MODEL IS: (***%titldtextproc;***)

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OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<wireid> *Wire Identification* – ***Wiring***

An explanation of the identification of wires by number.

ELEMENT USED IN: ***<wiringwp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<wiringdiag> *Diagrams* – ***Wiring***

The wiring diagrams element contains all electrical, electronic system, and circuit wiring diagrams.

ELEMENT USED IN: ***<wiringwp>***

CONTENT MODEL IS: (***title***, ***trim.para***?, ***figure***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<wiringwp> *Wiring Diagrams* – ***Work Package***

The wiring diagrams work package contains an introduction to the work package and the wire identification system, abbreviations used, and wiring diagrams.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <systembreakdown>, <systemref>, and %mimsupport;***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***intro***, ***wireid***, ***abbrev***, ***wiringdiag***+)

OPTIONAL ATTRIBUTE(S)

%wpatt; Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<work_planning> *Work Planning* – ***DMWR Ammunition Introduction***

Describes the accumulation of excess ammunition items, removal of line rejects or explosive waste/hazardous waste, and removal of items containing precious metals.

ELEMENT USED IN: ***<dmwr_introwp>***

CONTENT MODEL IS: (***para0***+)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<wp.metadata> *Work Package Metadata*

Defines information about the work package. The work package metadata specifies information as security classification, proponent, change history, TM used in, effectivity, applicable system/subsystem, keyword search list, and subject.

ELEMENT USED IN: ***<aalwp>, <ammowp>, <auxeqpwp>, <bdar-geninfowp>, <bdartoolswp>, <bulk_itemswp>, <coeibiiwp>, <compchklistwp>, <csi.wp>, <ctrlindwp>, <damage-assesswp>, <descwp>, <destruct-introwp>, <destruct-materialwp>, <diagnosticwp>, <dmwr_introwp>, <dmwr_operationalreqwp>, <dmwr_qarwp>, <emergencywp>, <eqploadwp>, <explistwp>, <facilwp>, <gen.maintwp>, <genrepairwp>, <genwp>, <ginfowp>, <introwp>, <inventorywp>, <kitswp>, <loepwp>, <lubewp>, <macintrowp>, <macwp>, <maintwp>, <manu_items_introwp>, <manuwp>, <mobilwp>, <mrplwp>, <nsnindxwp>, <oipwp>, <opcheck-tswp>, <opcheckwp>, <opunuwp>, <opusualwp>, <orschwp>, <perseqpwp>, <plwp>, <pm-ginfowp>, <pmcsintrowp>, <pmcswp>, <pmi-cklistwp>, <pmiwp>, <pms-ginfowp>, <pms-inspecwp>, <pnindxwp>, <pshopanalwp>, <qawp>, <refdesindxwp>, <refwp>, <stl_partswp>, <stlwp>, <storagewp>, <stowagewp>, <substitute-matwp>, <supitemwp>, <surwp>, <techdescwp>, <thrywp>, <toolidwp>, <torquewp>, <tsindxwp>, <tsintrowp>, <tswp>, <wiringwp>, <wtloadwp>, and %ammo_ent;***

CONTENT MODEL IS: (***portionmark***+, ***proponent***, ***tracking***, ***tminfono***+, ***applicability****, ***subsystem-system****, ***keyword.search****, ***subject****)

<wp.status> *Work Package Status* – ***Work Package Metadata***

Specifies the current status of the work package.

ELEMENT USED IN: ***<change.history>***

CONTENT MODEL IS: EMPTY

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REQUIRED ATTRIBUTE(S)

type Defines the work package status as new, changed, draft, deleted, and reinstated.
DECLARED VALUE: List (new | changed | draft | deleted | reinstated)

<wpidinfo> *Work Package Identification Information*

Lists the identification information required for a work package. Content: maintenance levels, work package title, configuration effectivity, and supersedure notice.

ELEMENT USED IN: ***<aalwp>, <ammowp>, <auxeqpwp>, <bdar-geninfowp>, <bdartoolswp>, <bulk_itemswp>, <coeibiiwp>, <compchklistwp>, <csi.wp>, <ctrlindwp>, <damage-assesswp>, <descwp>, <destruct-introwp>, <destruct-materialwp>, <dmwr_introwp>, <dmwr_operationalreqwp>, <dmwr_qarwp>, <emergencywp>, <eqploadwp>, <explistwp>, <facilwp>, <gen.maintwp>, <genrepairwp>, <genwp>, <ginfowp>, <introwp>, <inventorywp>, <kitswp>, <lubewp>, <macintrowp>, <macwp>, <maintwp>, <manu_items_introwp>, <manuwp>, <mobilwp>, <mrplwp>, <nsnindxwp>, <oipwp>, <opcheck-tswp>, <opcheckwp>, <opunuwp>, <opusualwp>, <orschwp>, <perseqpwp>, <plwp>, <pm-ginfowp>, <pmcsintrowp>, <pmcswp>, <pmi-cklistwp>, <pmiwp>, <pms-ginfowp>, <pms-inspecwp>, <pnindxwp>, <pshopanalwp>, <qawp>, <refdesindxwp>, <refwp>, <stl_partswp>, <stlwp>, <storagewp>, <stowagewp>, <substitute-matwp>, <supitemwp>, <surwp>, <thrywp>, <toolidwp>, <torquewp>, <tsindxwp>, <tsintrowp>, <tswp>, <wiringwp>, <wtloadwp>, %ammo_ent;, and %wpsetup;***

CONTENT MODEL IS: (***maintlvl***, ***title***, ***config***?)

<wpno> *Work Package Number*

The element reference the WP number to generate the WP sequence number for change sheet and alphabetical index entry.

ELEMENT USED IN: ***<chghistory>, <chgwplist>, <indexentry>, <revisionsummary>, and %wpatt;***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

wpref Reference to the work package.
DECLARED VALUE: ID Reference

OPTIONAL ATTRIBUTE(S)

%secur; Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

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<wppages> *Number of Work Package Pages* – ***Change Sheet***

Specifies in the change sheet the number of pages in the work package

ELEMENT USED IN: ***<chghistory>***

CONTENT MODEL IS: (#PCDATA

<wpref> *Work Package Reference* – ***Manufactured Items***

The work package number reference to the manufactured items work package containing the manufacturing instructions.

ELEMENT USED IN: ***<manuindx>***

CONTENT MODEL IS: EMPTY

REQUIRED ATTRIBUTE(S)

idref Reference to the work package.
DECLARED VALUE: ID Reference

<wrntyref> *Warranty Reference Statement* – ***General Information***

When the TM covers equipment that is under warranty and a Warranty Technical Bulletin (WTB) is published, it is referenced. Otherwise a paragraph about the warranty is included.

ELEMENT USED IN: ***<ginfowp>***

CONTENT MODEL IS: (***%titldtext;***)

OPTIONAL ATTRIBUTE(S)

%bodyidatt; Any of the attributes in the associated attribute set may be used with this element. Refer to bodyidatt for a complete description.

<wtloadwp> *Aircraft Weighing and Loading* – ***Work Package***

The weighing and loading work package element provides description, information, and procedures for aircraft weighing, balancing, and loading. Aircraft only.

ELEMENT USED IN: ***<aviationcategory>, <depotcategory>, <systembreakdown>, and <systemref>***

CONTENT MODEL IS: (***wp.metadata***?, ***wpidinfo***, ***initial_setup***, ***geninfo***, (***formchart*** | ***weightinst***))

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OPTIONAL ATTRIBUTE(S)

%wpatt;	Any of the attributes in the associated attribute set may be used with this element. Refer to wpatt for a complete description.

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<x.statement> *Distribution X Statement – **Notice***

This tag will generate the DODD 5230.24 specified text for X restriction distribution technical manual. The selected distribution reason is generated through the stylesheet.

ELEMENT USED IN: ***<dist>***

CONTENT MODEL IS: (***reasondate***, ***releaseagent***)

<xor> *Exclusive Or – **Boolean – Evaulation***

Returns a "True" value if one and only one boolean is "True", otherwise returns a "False" value.

ELEMENT USED IN: ***%binop;***

CONTENT MODEL IS: EMPTY

<xref> *Cross Reference – **Linkage***

The element is used to reference the work package sequence number, figure, table, step(s), etc., One or more of the reference targets can be used. The referenced information is generated by the style sheet.

ELEMENT USED IN: ***<checkstep>, <legend.item>, %linkref;, and %localref;***

CONTENT MODEL IS: EMPTY

OPTIONAL ATTRIBUTE(S)

callout Supplies the literal callout value.
DECLARED VALUE: Any character

itemno The item number as text.
DECLARED VALUE: Any character

itemid Reference the unique identifier of a item.
DECLARED VALUE: ID Reference

figid References the unique identifier of a figure.
DECLARED VALUE: ID Reference

pagelocid References the unique identifier of a page location.
DECLARED VALUE: ID Reference

posttext Supplies any text that follows the cross reference when resolved for display.
DECLARED VALUE: Any character

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pretext	Supplies any text that precedes the cross reference when resolved for display.
DECLARED VALUE:	Any character
stepstart	References the unique identifier of a step, whether that is a single step reference or the start of a reference to a range of steps.
DECLARED VALUE:	ID Reference
stepend	References the unique identifier of the end step in a range of steps.
DECLARED VALUE:	ID Reference
tableid	References the unique identifier of a table.
DECLARED VALUE:	ID Reference
taskid	References the unique identifier of a task, such as "repair-replace" or "service upon receipt."
DECLARED VALUE:	ID Reference
tslocid	References the unique identifier of an object in a troubleshooting procedure.
DECLARED VALUE:	ID Reference
termdefid	References the unique identifier of a term and definition.
DECLARED VALUE:	ID Reference
wpid	References the unique identifier of a work package.
DECLARED VALUE:	ID Reference
%secur;	Any of the attributes in the associated attribute set may be used with this element. Refer to secur for a complete description.

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<yes> *Yes Result without State* – ***Dialog Box***

The element contains the actions when a yes selection is used in diagnostic without state information.

ELEMENT USED IN: ***<simple>, %frameatt;, %graphicatt;, %hcpesd;, %imatt;, %no_att;, %qa;, %taskatt;, %tracking_att;, %wpatt;, %wprsrc-vals;, %yes_att;, and %yesorno;***

CONTENT MODEL IS: (***resultwithoutstate***)

<yesstate> *Complex Yes with State* – ***Dialog Box***

The element contains any state information manipulation if a positive is selected from the menu.

ELEMENT USED IN: ***<binarymenu>***

CONTENT MODEL IS: (***%statemanipulation_ent;***)+

OPTIONAL ATTRIBUTE(S)

default Is the choice the default selection?

DECLARED VALUE: "yes" or "no"

DEFAULT VALUE = no

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<zip> *ZIP Code – **Address***

The ZIP code for address block.

ELEMENT USED IN: ***<address>***

CONTENT MODEL IS: (#PCDATA

OPTIONAL ATTRIBUTE(S)

%changelevel; Any of the attributes in the associated attribute set may be used with this element. Refer to changelevel for a complete description.