DATA ITEM DESCRIPTION	Form Approved OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20603.

1. TITLE	2. IDENTIFICATION NUMBER
Applications/Programs/Indenture (API) Data	DI-ALSS-81221A

3. DESCRIPTION/PURPOSE

3.1 This DID is designed to support the requisition of initial indentures. The indenture data is used by the Requirements Data Bank (RDB), Applications, Programs and Indenture (API) system to support all RDB weapon system functionality.

3.2 The formation of the indenture structure is based on the concept of linking a Next Higher Assembly (NHA) and the component items (C/Is) that make up that NHA or End Item (E/I). This concept is known as "Parent to Child" relationship. An entire weapon system or E/I bill of material can be constructed by chaining through the NHA to C/I relationships. This data is also used to avoid redundant storage of identical assemblies of components between weapon systems or major E/Is.

4. APPROVAL DATE (YYMMDD) 970124	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) F/AFMC-LGNM	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE

7. APPLICATION/INTERRELATIONSHIP

7.1 This DID contains the format and content preparation instructions for the repair history data generated by the specific and discrete task requirement as delineated in the contract.

7.2 This DID will be applied to purchase contracts and will be used to obtain initial indenture data. API data is required on the weapon/support system and all indentured repairable items therein for: (1) Initial establishment records for E/Is and C/I used in support of newly acquired weapon/support system for which an indenture has not previously been established; (2) Updating records for E/Is and C/Is which supersede previously submitted item records; and (3) Modifications occurring during the development/production phase in use of both old and new configurations.

7.3 This DID supersedes DI-ILSS-81221.

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8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER F7219

10. PREPARATION INSTRUCTIONS

10.1 Referenced documents. The applicable issue of documents cited herein, including their approval dates and dates of any applicable amendments, notices and revisions, shall be as specified in the contract.

10.2 Format. The data shall be made available via electronic medium using ASCII-64 character set. Data records shall be formatted according to paragraphs 10.4.1 and 10.4.2. Data records should be accompanied by a tabular listing.

10.3 Content. Each contracted item requires the data elements to be in the columns specified. This specific format shall not be modified. The elements identified as mandatory are required for data processing and shall not be tailored out. The procuring activity may specify default values for mandatory fields such as the Air Logistic Center (ALC) code, Division Designator and Equipment Specialist (ES) code.

10.3.1 Data shall contain every C/I (both cataloged and non-cataloged) contained in the NHA. In addition to C/Is, all bulk material, special tools, test equipment and applicable technical order (s) required in the repair of the NHA shall require data input. Every NHA record will be followed by at least one related C/I record, however more than one C/I record may be listed under a single NHA record. Every C/I record will follow a related NHA record.

10.3.2 These instructions are for six Type Of Action (TOA) codes: TOA codes 1 and 6 for preparation of the initial indenture; TOA codes 2 and 7 for modification of selected elements on an existing record; and TOA codes 3 and 8 to send a delete notice on an existing record. The TOA codes 1 and 6 will reject if the indenture record already exists, and they will not update any data. The TOA codes 2 and 7 shall not be used in lieu of an initial indenture record, and it will only update the Source, Maintenance, Recoverability (SMR) code, Quantity Per Application (QPA) and Replacement Percent (RPL %). The TOA codes 3 and 8 will not delete the indenture record, but it will cause a notice to be generated to the managing ALC for review.

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11. DISTRIBUTION STATEMENT
DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

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Block 7. Application/Interrelationship (Continued)

7.4 Referenced documents can be obtained as specified in the contract.

Block 10. Preparation Instructions (continued)

10.4 Instructions: These instructions are divided into two parts:
- NHA or End Item Indenture record (Para. 10.4.1)
- C/I Indenture record (Para. 10.4.2)

10.4.1 The NHA Content: The following data elements in the columns specified are mandatory for each NHA item. An NHA may be the weapon system. other major end item, a line replaceable unit. shop replaceable unit, or any part that has lower indentures. Every NHA record must be accompanied by one or more component item records. The following record is a 160 column format.

NHA INDENTURE RECORD

COLUMN	ELEMENT TITLE	DEFINITION/INSTRUCTIONS
1	TOA Code	MANDATORY ENTRY Use the appropriate TOA code: Use TOA code "1" for initial establishment of NHA record. Use TOA code "2" for changing an existing NHA record. Use TOA code "3" to delete an existing NHA record.
2	ALC Code	MANDATORY ENTRY Use the appropriate single digit alpha code for the ALC that has management responsibility for the NHA item. F = Sacramento ALC G = Ogden ALC H = Oklahoma ALC L = Warner Robins ALC P = San Antonio ALC
3	Division Designator	MANDATORY ENTRY Use the code assigned to the division (or pseudo division) having management responsibility of the NHA item. Code to be furnished by the procuring agency.
4-5	ES Code	MANDATORY ENTRY Use the code assigned to the ES having management responsibility by the NHA item. Code to be furnished by the procuring agency.

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6-37	PN	Use the Part Number (PN) assigned to the NHA item. Reference DoD 4100.39M for guidance on use of special characters. PN is MANDATORY, unless the item is to be identified by the MDS or TMS designator and an entry is in cols. 43-57.
38-42	CAGE Code	Use the Contractor And Government Entity (CAGE) code assigned to the manufacturer of the NHA PN. CAGE is MANDATORY, unless the item is to be identified by the MDS or TMS designator and an entry is in columns 43-57.
43-57	MDS or TMS Designator	When the NHA is an aircraft, missile or engine, use the appropriate Mission, Design, Series (MDS) or Type, Model, Series (TMS) designator. Reference AFJI 16-401 (or DoD 4120.15) for guidance. When MDS or TMS is entered in this column, no entry is allowed in PN (cols. 6-37), CAGE (cols. 38-42) or SMR (cols. 77-81).
58-76	NHA Name	MANDATORY ENTRY for TOA 1. Use the appropriate noun of the NHA item. Reference Federal Catalog Handbook H6-1.
77-81	SMR Code	Use the SMR code assigned to the NHA. Reference T.O. 00-25-195. MANDATORY ENTRY for TOA 1, unless the item is to be identified by the MDS or TMS designator and an entry is in cols. 43-57.
82-159		Blank.
160	End of Record Indicator	MANDATORY ENTRY of "X". Required to identify the end of the record.

10.4.2 The Component Item Content: The following data elements in the columns specified are mandatory for each C/I record. A C/I may be a major end item, a line replaceable unit, shop replaceable unit, bit and piece or any part that is a lower indenture. The C/I record(s) must be preceded by a related NHA item record; multiple C/I records may be identified to a single NHA record. Items with either known or anticipated usage during the repair of an NHA item should have an appropriate replacement percent. The following record is a 160 column format.

C/I INDENTURE RECORD

COLUMN	ELEMENT TITLE	DEFINITION/INSTRUCTIONS
1	TOA Code	MANDATORY ENTRY Use the appropriate TOA code: Use TOA code "6" for initial establishment of C/I record Use TOA code "7" for changing an existing C/I record Use TOA code "8" to delete an existing C/I record.
2-5		Blank

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6-37	NHA PN	Use the PN assigned to the NHA item. Reference DOD 4100.39M for guidance on use of special characters. PN is MANDATORY, unless the item is to be identified by the MDS or TMS designator and an entry is in cols. 43-57.
38-42	NHA CAGE Code	Use the CAGE assigned to the manufacturer of the NHA PN. CAGE is MANDATORY, unless the item is to be identified by the MDS or TMS designator and an entry is in cols. 43-57.
43-57	MDS or TMS Designator	When the NHA is an aircraft, missile or engine, use the appropriate MDS or TMS designator. Reference AFJI 16-401 (or DOD 4120.15) for guidance. When MDS or TMS is entered in this column, no entry is allowed in PN (cols. 6-37), CAGE (cols. 38-42).
58-76	C/I Name	MANDATORY ENTRY for TOA 6. Use the appropriate noun of the C/I PN. Reference Federal Catalog Handbook H6-1.
77-81	C/I SMR Code	Use the SMR assigned to the C/I. Reference T.O. 00-25-195. MANDATORY ENTRY for TOA 6, unless C/I the item is to be identified by the TMSM designator and an entry is in cols. 125 - 139, or if Special Identification (SID) Code in col. 148 is D, E, F, G, L or T.
82-87		Blank
88-119	C/I PN	Use the PN assigned to the C/I. Reference DOD 4100.39M for guidance on use of special characters. PN is MANDATORY, unless the item is to be identified by the TMSM designator and an entry is in cols. 125 - 139.
120-124	C/I CAGE Code	Use the CAGE code assigned to the manufacturer of the C/I PN. CAGE is MANDATORY, unless the item is to be identified by the TMSM designator and an entry is in cols. 125-139.
125-139	TMSM Designator	When the C/I is to be identified by a Type, Model, Series, Module (TMSM), use the appropriate TMSM designator. Reference AFM 400-1 for guidance. When TMSM is entered in this column, no entry is allowed in PN (cols. 88-119), CAGE (cols. 120-124) or SMR (cols. 77-81).
140-144	QPA	MANDATORY ENTRY for TOA 6. This QPA entry indicates the total quantity of each C/I contained in the immediate NHA. The field is right justified numeric prefixed with zeros to fill field. Items reflecting a SID code of D, E, F, G, L, R or T in col. 148 shall be assigned a QPA of 00001.

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145-147	RPL %	MANDATORY ENTRY for TOA 6. Use the anticipated overhaul RPL % representing the average rate of replacement of the C/I in the overhaul of the NHA based on the unit of issue for the C/I. This field is right justified numeric prefixed with zeros to fill field. For example, 25% is entered as 025. If appropriate, an entry of three zeros is acceptable.
148	SID Code	Use a SID code if applicable to a C/I to portray a special condition or additional information about an item. If no code is applicable leave field blank. Acceptable codes are: D - Special tools, field and depot E - Special tools, depot only F - Test equipment, field and depot G - Test equipment, depot only H - Variable tolerance item L - Bulk material - This code should not be applied to any C/I called out in the IPB portion of the T.O. or drawing M - Shop manufacture item N - Specific series or configuration application item P - Serial number controlled item R - Test equipment, field only S - Repair/parts kit T - Technical order/drawing U - Selective fit V - Review (system assigned) W - Embedded end item not repaired separately
149-159		Blank
160	End of Record Indicator	MANDATORY ENTRY of "X". Required to identify the end of the record