DATA ITEM DESCRIPTION

Title: AMMUNITION DATA CARD (ADC)

Number: DI-MISC-80043A
AMSC Number: A7312
DTIC Applicable:
Office of Primary Responsibility: A/AR
Applicable Forms:

Approved Date: 22 May 98
Limitation:
GIDEP Application:

Use/relationship: The Ammunition Data Card is used to acquire a record containing essential data pertaining to the initial history of a lot of ammunition and explosive material or, in certain instances, of a serially numbered complete round guided missile which contains all required data pertaining to each lot of the item. The data card is used to provide traceability of explosive items.

a. The data contained in this DID is required by MIL-STD-1168.

b. This DID supersedes DI-D-2001 and DI-L-1410.

Requirements:

1. Reference documents. The applicable issue of the documents cited herein, including their approvals date, and dates of any applicable amendments and revisions shall be as reflected in the contract.

2. Preparation. Ammunition Data Cards shall be prepared using the Government Furnished ADC software in accordance with MIL-STD-1168 and the following:

3. New manufacturing.

Block No.

1 Item Nomenclature - Enter the standard nomenclature as required by the contract under which the item was manufactured. For guided missile explosive components, the nomenclature shall be the item name as it appears in the Federal Item Identification Guides for Supply Cataloging, (Handbook H6-A, B and C).

2 NSN - Enter the National Stock Number of the item represented by the data card. For an inert component or subassembly, enter "See Remarks". In the remarks section of the data card, enter the NSN of the end item in which the inert component will be utilized.

3 DODIC - Enter the DoD Identification Code of the Item represented by the data card. For an inert component or subassembly, enter "See Remarks". In the remarks section of the data card, enter, the DODIC of the end item in which the inert component will be utilized.

Block No.

4 Lot Number. - Enter the complete lot number or serial number of an item which is not lotted. Suffixes will be assigned in accordance with MIL-STD-1168.

5 Manufacturer, Loading or Assembly Activity - Enter the manufacturer's name as contained in the contract. In cases of Government owned facilities, whether metal parts producers, load operations, depot and storage activities, field units, etc. use the Government title for the installation. Indicate the address of the facility where the item is being produced.

6 Net Quantity - The Quantity to be entered here is the net quantity available for shipment to users after any destructive test samples have been removed from the lot.

7 Packing of Lot - Enter the method by which the lot is packed for shipment, including the number of rounds, parts or sets in each outside container. Insert the packing and marking drawing number, revision, and any ECP/NOR under which the item was packed or marked. Standard abbreviations may be used.

8 Contract or Order No. - When material is procured from industry, show the complete contract number. Whenever material is produced at a Government owned facility (whether directly by the Government owned facility or by an operating contractor), the production order number, the project order number, expenditure order number or whatever appropriate identification number applies for the production, shall be entered in this block.

9 Drawing and Revision No. - (Include revisions, changes, etc.) - The drawing identification shall consist of the drawing number and the information in (b) and (c) below, as applicable.

(a) The drawing number, including the revision number or tab, if any.

(b) Number of any Engineering Change Proposals describing changes which have not been included in drawing revisions, but which have been applied to the production of the item represented by the data card.

(c) The identification of any letter or teletype which directs or authorizes any change in the requirement of the drawings, that has been applied to the item described.

(d) If more than the drawing is required to define the configuration a "See Remarks" note should specify that paragraph (b) and (c) information is contained in the remarks block.

Block No.

10 Specification and Revision - The specification identification may consist of one or more of the four parts listed as (a), (b), (c), and (d) below. Enter the numbers of the detail specifications and the parts which apply to acceptance of the lot.

(a) Specification number, revision letter or number, if any.

(b) Amendment number, if any.

(c) Number of any ECP modifying the specification but not yet included by amendment or revision to the specification which has been applied to the production of the lot represented by the data card.

(d) The identification of any letter or teletype which modify any portion of the specification where modifications have been applied to the lot.

(e) When more than the specification is required to define the configuration, a "See Remarks" note should specify that paragraph (c) and (d) information will be contained in the remarks block.

11 Date Started - Insert the day, month and year that the production, loading, assembling, etc. began.

12 Date Completed - Enter the day, month and year that production, loading, etc., was completed. Assemblies requiring curing shall be considered completed on the date cure was completed.

13 Date Inspected - Enter the date on which inspection of the lot was completed.

14 Line - Enter the local designation of the assembly line on which the lot was assembled.

15 Zone Weight - When the loading assembly drawing lists zone weights, show the zone number corresponding to the projectile weights.

NOTE: If metric measurements are used for blocks 15-15d, use the proper symbol for the metric units used.

16 Specifications:

(a) Charge Weight - For complete rounds of ammunition, enter the charge weight for the lot of propellant used in the rounds.

Block No.

(b) Index of Powder - (Applicable to US NAVY PROCUREMENT ONLY); The index (for example: SPDN 3201).

(c) Maximum Packing Depth Range in Inches - (APPLICABLE TO US NAVY PROCUREMENT ONLY); Enter the maximum packing depth in inches for the powder index as provided by the Technical Activity.

(d) Production Packing Depth Range in Inches - Enter the production packing depth range in inches for the powder index.

(e) Explosive Weight per Package - Enter the net explosive weight of all the rounds contained in one outer pack as specified in Block 6. Use metric measurements.

17 Test Samples:

(a) Number - When acceptance samples are sent to a test activity, enter the number of test samples shipped.

(b) Sent to - When acceptance samples are forwarded to a test activity for function testing, enter the name of the test activity to which they were sent.

(c) Date of Shipment - When acceptance samples are shipped to a test activity for test, enter the date of shipment.

(d) Mode of Shipment - When acceptance samples are shipped to a test activity for test, enter the method of shipment.

18 Hazard Class - Enter the United Nations hazard class, division, fragmentation distance and explosive compatibility group as specified in the contract or DoD Consolidated Ammunition Catalog.

19 Responsible Acceptance Activity - Enter the three digit code of the organization responsible for the final acceptance of the item described on the data card.

20 Remarks - Any unusual features of the lot represented by the data card will be identified and reported in this block.

(a) The data card for the final partial in the lot must include a summarization of all Component data for the lot and, in addition, shall show in the "Remarks" block a

Block No.

Statement such as, "This is the 10th and final partial of this lot. Total quantity shipped consisted of 62,000 units. All previous data cards for this lot shall be discarded."

(b) Other information pertinent for special remarks are:

(1) "SKIP" lot information - Cite the "SKIP" authority/message.

(2) Reason(s) for changing lot interfix numbers.

(3) Reason(s) for changing manufacturer's prefix symbol.

(4) Revised/Corrected or Changed Cards. Whenever a final data card is changed, corrected, revised etc., it shall be annotated in this block as in the following examples:

Revision No. 1 (12 August 1976) due to change of quantity from 9,720 to 9,620. Additional 100 units used for ballistic retesting. Discard original card.

Revision No. 2 (18 September 1976) this corrects error in listing weight of projectile from 23.8 lbs. to 28.3 lbs. Discard Revision No. 1.

(5) Changes in material, equipment, inspection procedures, and changes in the manufacturing process, which do not result in change to the lot interfix number will be listed.

(6) Waivers and deviations from drawings, specifications, etc., will be shown in this block. When all or part of the lot has been accepted on waiver, insert the waiver/deviation number. Include the name of the part(s) involved, the extent of the waiver(s)/deviation(s), the number/quantity containing the parts accepted on waiver/deviation, the authority for acceptance such as identification of the document.

(7) "Priorship" information. Show the complete authorization for shipping material on a "priorship" basis.

(8) "Preferred Status" information. Cite the authority for shipping on a "preferred status" basis.

Block No.

(9) "Rejected" information. Show the reason(s) for rejecting the lot including any rejections of Requests for Waivers or deviations.

(10) "Warranty Clause" information, as applicable.

(11) "Serial Numbers of Items" information. When items in a lot are serially numbers, list the serial numbers of all items included in the lot.

(12) "ECPS, Amendments, etc." Show any Engineering Change Proposals, amendments, etc., which had an effect on the manufacture of the item.

(13) The responsible inspector shall determine what other difficulties, occurrences, or conditions are significant enough to be reported such as excessive critical major characteristics that required 100% screening; environmental conditions, etc.

(14) Any and all other pertinent information for which no specific block has been provided or which is too bulky to insert in the blocks.

21 Disposition - Enter the applicable disposition:

DISPOSITION

Accepted
Rejected
Provisionally accepted

22 Accepting Inspector:

Typed Name - The name of the person having knowledge and contact with the production and inspection of the lot be typed in the area provided for this purpose. This is certification that all required tests and inspections were performed on the lot, that the information listed is correct, and the dispositions indicated have been properly marked.

23 Components - The following information will be furnished for each component part, assembly, sub-assembly, explosive, propellant and any other material used in the production, and/or assembly of the item described on the card. If the listing of each component of a complex item required excessive space and effort, the contracting officer can limit the list to major components and sub-assemblies when these items have individual data cards.

Block No.

NOTE: All columns will be filled to the extent possible.

(a) Component - Give the approved item name as shown on the supplier's card, shipping instructions, previous data card and similar type documents.

(b) Drawing No./Spec. No. - Enter the drawing number and applied ECP/NOR, if any. Enter the specification number and amendments to specifications if a specification applies instead of a drawing number.

(c) Manufacturer - Give the name of the manufacturer of each lot of each component used.

(d) Date Manufactured - Insert the month and year (when known) during which each component was used.

(e) Lot No. - Enter the complete lot number of each component used in the manufacture, assembly, etc., of the item.

(f) Quantity - The exact quantity of each component item used will be listed in this column. When component quantities from more than one lot of the same item are used in the production, assembly, etc., of the item when the exact quantity from each of the component lots shall be shown. Component quantities must be correct and may be determined by actual count, by weighing, etc.

4. Rework-Renovation. Data cards prepared for modified, renovated, reworked or regrouped lots must preserve pertinent data from the previous lot data cards, to the maximum extent consistent with the fact that a suffixed or regrouped lot has a unique identity independent of the lots from which it was derived. Data given for the Manufacturer, QA Activity, Contract or Order Number, Government Inspector, etc., must relate to the creation of the reworked lot, not the original lots(s). Detailed instructions for each block follows:

Block No.

1 Item Nomenclature - Enter the nomenclature for the item after renovations as it is stipulated in the rework/renovation instructions. For guided missile explosive components, the nomenclature shall be the item name as it appears in the federal Item Name Directory for Supply Cataloging, (Handbook H6-A, B, and C).

2 NSN - Enter the National Stock Number of the item represented by the data card. If renovation necessitates a change in the NSN, enter the "new" NSN in this block.

Block No.

3 DODIC - Enter the DOD Identification Code of the data card. If renovation necessitates a change in the DODIC, enter the "new" DODIC in this block.

4 Lot Number - Enter the complete lot number of the item represented by the data card. Enter the serial number of an item, which is not lotted. Lot numbers and suffixes will be assigned in accordance with MIL-STD-1168.

5 Manufacturer, Loading or Assembly Activity - Enter the Government title as contained in the rework instructions. Indicate the address of the facility where the item is being reworked/renovated/etc.

6 Net Quantity - The quantity to be entered here is the net quantity available for shipment to users after any destructive test samples have been removed from the lot.

7 Packing of Lot - Enter the method by which the lot is packed for shipment, including the number of rounds, parts or sets in each outside container. Insert the packing and marking drawing number, revision, and any ECP/NOR which the item was packed or marked. Standard abbreviations may be used.

8 Contract or Order No. Enter the complete contract number, the production order number, the project order number, expenditure order number or whatever appropriate identification number applies for the work.

9 Drawing and Revision - (Include revisions, changes, etc.) - Enter the new drawing number if it differs from the drawing number of the original production as a result of the changes incorporated into the rework procedure, regroup, etc. The drawing identification shall consist of the drawing and the information in (b) and (c) applicable.

(a) The drawing number, including the revision number or tab, if any.

(b) Number of any Engineering Change Proposals describing changes not yet included in drawing revisions which have been applied to the production of the lot represented by the data card.

(c) The identification of any letter or teletype, which directs or authorized any change in the requirement of the drawings, which change has been applied to the lot described.

Block No.

(d) When more than the drawing is required to define configuration, a note should specify paragraph (b) and (c) information will be continued in the remarks.

10 Specification and Revision - Enter the new specification number if it differs from the specification applied to the original production as a result of the change incorporated into the renovation, regrouping, etc. The specification identification may consist of one or more of the four parts listed as (a), (b), (c) and (d) below. Enter the numbers of the detail specifications and parts, which apply to acceptance of the lot.

(a) Specification number, revision letter or number, if any.

(b) Amendment number, if any.

(c) Number of any ECP modifying the specification but not yet included by amendment or revision to the specification which has been applied to the production of the lot represented by the data card.

(d) The identification of any letter or teletype which modified any portion of the specifications where modifications have been applied to the lot.

(e) When more than the specification is required to define the configuration, a note should specify that paragraphs (c) and (d) information will be contained in remarks block.

11 Date Started - Insert the day, month and year that the reworking, regrouping, etc., began.

12 Date Completed - Enter the day; month and year that reworking, regrouping, etc., was completed. An assembly requiring curing shall be considered completed on the date cure was completed.

13 Date Inspected - Enter the date on which inspection of the lot was completed.

14 Line - Enter the local designation of the assembly line on which the lot was assembled.

15 Zone Weight - When the loading assembly drawing lists zone weights, show the zone number corresponding to the projectile weights.

NOTE: If metric measurements are used for blocks 15-15d, use the proper symbol for the metric units used.

Block No.

16 Specifications:

(a) Charge Weight - For complete rounds of artillery ammunition, enter the charge weight for the lot of propellant used in the rounds.

(b) Index of Powder - (APPLICABLE TO U.S. NAVY PROCUREMENT ONLY): Enter the index of smokeless powder (for example SPDM 3201).

(c) Maximum Packing Depth in Inches - (APPLICABLE TO U.S. NAVY PROCUREMENT ONLY): Enter the maximum packing depth in inches for the powder index from proof as provided by the technical agency.

(d) Production Packing Depth in Inches - (APPLICABLE TO U.S. NAVY PROCUREMENT ONLY): Enter the production packing depth range in inches for the powder index from proof as provided by the technical agency.

(e) Explosive Weight per Package - Enter the net explosive weight of all the rounds contained in the packing specified in Block 6. Use metric measurements.

17 Test Samples:

(a) Number - When acceptance samples are sent to a test activity, enter the number of test samples shipped.

(b) Sent to - When acceptance samples are forwarded to a test activity for acceptance testing, enter the name of the test activity to which they were sent.

(c) Date Shipped - When acceptance samples are shipped to a test, enter the date of shipment.

(d) Mode of Shipment - When acceptance samples are shipped to a test activity for test, enter the method of shipment.

18 Hazard Class - Enter the United Nations hazard class and explosive compatibility group as specified in the contract or DoD Consolidated Ammunition Catalog.

19 Responsible Acceptance Activity - Enter the three digit code organization responsible for the final acceptance of the item described on the card.

Block No.

20 Remarks - Give the quantity and original NSN, lot number, manufacture date (for old style lot numbers only), and previous rework history (if any) of the items from which the new lot was formed. Specify the rework and related procedures, and cite the authority for performing the work. Identify the parts replaced, inspected, modified, etc. Show the authority for adding a lot suffix or forming a regroup lot. If a suffix has been added to an old style lot number without a corresponding change to the original loaded date on the item or package, so state. If functional acceptability is based upon the acceptance of the original lot(s), so state.

21 Disposition - Enter the applicable disposition.

DISPOSITION

Accepted
Rejected

22 Accepting Inspector - The name of the person having knowledge and contact with the renovation and inspection of the lot be typed in the area provided for this purpose. This is certification that all required tests and inspections were performed on the lot that the information listed is correct, and the dispositions indicated have been properly marked.

23 Components - The following information will be furnished for each component part, assembly, sub-assembly, explosive; propellant and any other material used in the rework, and assembly of the item described on the card. The appropriate changes must be made to the data card to delete removed components and include new components assembled.

NOTE; All columns will be filled to the extent possible.

(a) Component - Give the approved item name as shown on the supplier's card, shipping instruments, previous data card and/or similar type documents.

(b) Drawing No./Spec No. - Enter the drawing number and applied ECP/NOR if any. Enter the specification number if it applies instead of the drawing number.

(c) Manufacturer - Give the name of the manufacturer of each lot of each component used.

NOTE: For those items retained from previous assembly, show the drawing number under which the component was actually made, note the latest drawing required by the specification for new production.

Block No.

(d) Date Manufactured - Insert the month and year (when known) during which each of the components listed was made.

NOTE: For those items retained from original manufacture, show the initial date.

(e) Lot No. - Enter the complete lot number of each component used in the rework of the item.

(f) Quantity - The exact quantity of each component item used will be listed in this column. When component quantities from more than one lot of the same item are used in the rework, etc., of the item, then the exact quantity from each of the component lots shall be shown. Component quantities must be correct and be determined by actual count, by weighing, etc.

NOTE: In most instances, the component quantities listed on the original data cards of lots being renovated/reworked, etc., will not be the same after the rework. Therefore, special attention should be given to reporting the component quantities accurately during rework and entering the correct quantities, where possible, on the "new" data card.

5. End of DI-MISC-80043A.