

DATA ITEM DESCRIPTION		Form Approved OMB No. 0704-0188	
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1. TITLE  End Item (EI) Production and Component Item (C/I) Consumption Repair History Data		2. IDENTIFICATION NUMBER  DI-ALSS-81220A	
3. DESCRIPTION/PURPOSE  3.1 This DID is designed to support the reporting of repair history for contract repair items. The repair history 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 repair history reporting is based on the concept of relating the component items consumption to the End Item or Next Higher Assembly (NHA) production.			
4. APPROVAL DATE (YYYYMMDD)  970124	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)  F/AFMC-LGNM	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains 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 overhaul/repair/maintenance contracts and will be used to obtain EI or NHA production and C/I consumption data from the contractor to update the repair history of API records. Production repair data is required on the weapon/ support systems and all recoverable E/Is; and consumption data is required on all C/Is used in the repair.  7.3 This DID supersedes DI-ILSS-81220.  7.4 Referenced documents can be obtained as specified in the contract. For an explanation contact AFMC/ENS, 937-257-3085, or Command Locator 937-257-3231.			
8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER  F7220	
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. 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.  10.3.1 For repair history to be complete; both a production and consumption record is required in the reporting period (as specified in the contract) to build and update the repair history. Every NHA Production record will be followed by at least one related C/I Consumption record, however, more than one C/I Consumption record may be listed under a single NHA Production Record. Every C/I Consumption record will follow a related NHA Production record.  10.3.2 These instructions are for two Type of Action (TOA) codes: TOA code 4 for reporting NHA and EI Production history, and TOA code 9 for reporting of C/I Consumption history. Each NHA or EI that is repaired/overhauled requires submittal of a TOA code 4 for the Production record. Each C/I that is used in the repair of the production item requires a TOA code of 9 for the Consumption record. These TOAs 4 and 9 shall not be used to create, update or delete indenture records.  10.4 Instructions. These instructions are divided into two parts: - NHA or EI Production record (reference paragraph 10.4.1) - C/I Consumption record (reference paragraph 10.4.2) <p style="text-align: right;">(Continued on Page 2)</p>			
11. DISTRIBUTION STATEMENT  DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.			

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## Block 3, Description/Purpose (Continued)

3.3 Repair history data is designed to identify to contractors and government Technical Repair Centers performing maintenance, the range and usage rates of parts and materials required to repair the item. It also identifies Government Furnished Material to the contractor and serves as a requisitioning guide.

## Block 10, Preparation Instructions (Continued)

10.4.1 The Production Content: The following data elements in the columns specified are mandatory for each Production history item. A Production 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 production NHA record must be accompanied by one or more component item consumption records. The following record is a 160 column format.

**NHA/END ITEM PRODUCTION RECORD**

<b><u>COLUMN</u></b>	<b><u>ELEMENT TITLE</u></b>	<b><u>DEFINITION/INSTRUCTIONS</u></b>
1	TOA Code	MANDATORY ENTRY Use TOA code "4" for NHA (or EI) production reporting.
2	ALC Code	MANDATORY ENTRY Use the appropriate single digit alpha code for the ALC that has management responsibility for the repaired item. F = Sacramento ALC G = Ogden ALC H = Oklahoma ALC L = Warner Robins ALC P = San Antonio ALC
3-5		Blank
6-37	Repaired item - PN	Use the Part Number (PN) assigned to the repaired item. Reference DoD 4100.39M for guidance on use of special characters. PN is MANDATORY, unless an entry is in cols. 43-57 and the item is to be identified by the NSN, NC #, MDS or TMSM designator.
38-42	Repaired item - CAGE Code	Use the Contractor And Government Entity (CAGE) code assigned to the manufacturer of the PN. CAGE is MANDATORY, unless an entry is in cols. 43-57 and the item is to be identified by the NSN, NC #, MDS, TMS or TMSM designator.
43-57	Repaired item - NSN, NC#, MDS, TMS, or TMSM Designator	When the repaired item is stocklisted use the National Stock Number (NSN) or NC#; or if it is an aircraft, missile or engine, use the appropriate Mission, Design, Series (MDS) or Type, Model, Series (TMS), or Type, Model, Series, Module (TMSM) designator. Reference AFJI 16-401 (or DoDD 4120.15) for guidance. When data is entered in this column, no entry is allowed in PN (cols. 6-37) or CAGE (cols. 38-42).

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58-81		Blank
82	Reversal Indicator - Production	Use a hyphen (-) if the line item is a reversal of a previous reporting when too many NHAs/End Items were erroneously reported as being produced. (In cols. 83-87 enter the quantity of items erroneously reported). Blank is a valid entry.
83-87	Repaired item - Production	MANDATORY ENTRY. Use the quantity of items produced (overhauled) during the reporting period. Or if reversal, enter the quantity of items erroneously reported. Prefix with zeros to fill.
88-159		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.

**COMPONENT ITEM CONSUMPTION RECORD**

<u>COLUMN</u>	<u>ELEMENT TITLE</u>	<u>DEFINITION/INSTRUCTIONS</u>
1	TOA Code	MANDATORY ENTRY Use TOA code "9" for C/I consumption reporting.
2-5		Blank
6-37	Repaired item - PN	Use the PN assigned to the repaired item. Reference DoD 4100.39M for guidance on use of special characters. PN is MANDATORY, unless an entry is in cols. 43-57 and the item is to be identified by the NSN, NC #, MDS or TMSM designator.
38-42	Repaired item - CAGE Code	Use the CAGE code assigned to the manufacturer of the PN. CAGE is MANDATORY, unless an entry is in cols. 43-57 and the item is to be identified by the NSN, NC #, MDS, TMS or TMSM designator.
43-57	Repaired item - NSN, NC#, MDS, TMS, or TMSM Designator	When the repaired item is stocklisted use the NSN or NC#; or if it is an aircraft, missile or engine, use the appropriate MDS, TMS or TMSM designator. Reference AFJI 16-401 (or DoDD 4120.15) for guidance. When data is entered in this column, no entry is allowed in PN (cols. 6-37) or CAGE (cols. 38-42).

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58-81		Blank
82	Reversal Indicator - Consumption	Use a hyphen (-) if the line item is a reversal of a previous reporting when too many C/I were erroneously reported as being consumed. (In cols. 83-87 enter the quantity of items erroneously reported). Blank is a valid entry.
83-87	C/I Consumption quantity	MANDATORY ENTRY. Use the quantity of C/Is consumed in the overhaul of the NHA during the reporting period. Or if reversal, enter the quantity of items erroneously reported. Prefix with zeros to fill.
88-119	C/I PN	Use the PN assigned to the C/I used in the repair of the NHA or End Item. Reference DOD 4100.39M for guidance on use of special characters. PN is MANDATORY, unless an entry is in cols. 125-139 and the item is to be identified by the NSN, NC #, MDS or TMSM designator.
120-124	C/I CAGE	Use the CAGE code assigned to the manufacturer of the PN. CAGE is MANDATORY, unless an entry is in cols. 125-139 and the item is to be identified by the NSN, NC #, MDS, TMS or TMSM designator.
125-139	C/I - NSN, NC#, MDS, TMS, or TMSM Designator	When the C/I is stocklisted use the NSN or NC#; or if it is an aircraft, missile or engine, use the appropriate MDS, TMS or TMSM designator. Reference AFJI 16-401 (or DoDD 4120.15) for guidance. When data is entered in this column, no entry is allowed in PN (cols. 88-119) or CAGE (cols. 120-124).
140-159		Blank.
160	End of Record Indicator	MANDATORY ENTRY of "X". Required to identify the end of the record.