DATA ITEM DESCRIPTION

Form Approved
OMB No 0704-0188

TITLE	1. IDENTIFICATION NUMBER
CONFIGURATION DATA LISTS (CDLs)	DI-CMAN-80874

3. DESCRIPTION / PURPOSE

3.1 The configuration data lists identify for each missile section, the configuration baseline it was produced to and the change history including incorporated ECPs, ORDALTs, Deviations and Waivers. The CDLs also identify selected serialized and lot numbered component parts used to produce, repair or refurbish each section. The CDL provides information useful for tracing recorded manufacturing and test data for the section and those selected parts.

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
890630	NSEA/PMS 422-2		

7. APPLICATION / INTERRELATIONSHIP

7.1 This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		N4781

10. PREPARATION INSTRUCTIONS

10.1 REFERENCE DOCUMENTS. The applicable issue of the 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 Each CDL shall be formatted on magnetic tape as described in Table 5 and shall contain the information shown in Tables 1 thru 4 for each section and its serialized components. Serialized components include all items that are serialized by contract requirement or have lot numbers identified in the production contract or Configuration Management Plan and all Electro Explosive Devices (EEDs).

10.2.1 Table 1 provides the section level data record type to be used formatting the tape for "RECORD TYPE 1" data.

10.2.2 Table 2 provides the indentured components record type to be used to format the tape for the "RECORD TYPE 2" data.

10.2.3 Table 3 provides the change authorization record type to be used to format the tape for the "RECORD TYPE 3" data. This record contains all Waivers, Deviations, ECPs, ORDALTS or other changes from the identified configuration incorporated into the section and its components.

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11. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A: Approval for public release; Distribution is unlimited.

10. PREPARATION INSTRUCTIONS (Continued)

10.2.4 Table 4 describes the "RECORD TYPE 4" format which provides for a listing of implemented Rework and Modification Shop Order (RMSO) numbers, their sequence letters and completion dates as well as a cross-reference to related change authorization numbers.

10.2.5 Table 5 defines the magnetic tape format for the CDL section record type structure.

10.3 CDLs for each repaired, refurbished or modified section shall list serial and lot numbers of replacement components in place of the previously listed numbers.

10.4 The completed CDLs delivered shall be provided on magnetic tape, accompanied by a complete tape printout. Each tape printout shall be clearly marked to reference the tape it is produced from by the tape serial number, the program the data is for, the reporting period and the producing facility. Corrected CDLs for previous reporting periods may be included but shall be individually identified as corrections. The tape dumps shall be of a form acceptable to the Government. These tape dumps shall contain no wrap-around or other characteristics that are unsuitable for manual scanning or reading. A format for individual hard copy CDLs shall be of a form acceptable to the Government.

10.5 Each tape reel shall have a visual label which includes:

Subject of file: Configuration Data Lists
Operation: e.g., Production or DLMF
Program identification: e.g., SM-1, SM-2, etc.
Current contract number
Recording code: ASCII
Record size: 175 characters
Number of records per block
Total number of records
Number of new (production) or updated (DLMF) CDLs
Number of corrected CDLs
Number of tape tracks: nine
Tape density: 1600 BPI
Reporting period start and end dates
Tape serial number/s
Reel number and number of reels (for multi reel sets)
Internal label type: None
Contractor's corresponding or related file identification

RECORD TYPE "1", SECTION LEVEL DATA:

NUMBER OF CHARACTER POSITIONS	TAPE FORMAT POSITION	DATA ELEMENT	BRIEF DESCRIPTION/REQUIREMENT
(1)	1	Record Type Code (1)	CDL Key "1"
(4)	2-5	Section Name Code	CDL Key
(20)	6-25	Section Part Number	CDL Key
(10)	26-35	Section Serial Number	CDL Key
(5)	36-40	Current Processing Facility	CDL Key CAGE (Code Ident)
(3)	41-43	Record Sequence Number	Number for each record to control the order in which records are presented
(4)	44-47	MK Designation	MK number
(4)	48-51	MOD Designation	MOD number
(2)	52-53	Operation Type	"P" = Production, "D" = DLMF Update, "PC" = Production CDL Correction, "DC" = DLMF CDL Correction, "WS" = Weapon Station Rework, "WC" = Weapon Station CDL Correction, "FR" = Factory Repair or Corrective Action, "FC" = Factory Repair CDL Correction
(4)	54-57	Section Lot Number (Prod)	Production Lot Number (if applicable)
(4)	58-61	Program Code	Code Identifying Owning Programs, such as STANDARD Missile-1, STANDARD Missile-2
(4)	62-65	Production Block Code	1 = I, 2 = II, 3 = III, 4 = IV, 5 = V, etc.
(2)	66-67	Version	MR = Medium Range, ER = Extended Range
(2)	68-69	Special Test Program/ Foreign Buy Indicator	"F" = Foreign (others defined as required)
(10)	70-79	Foreign Identification	Most Recent Foreign Case Number

TABLE 1 - RECORD TYPE "1" SECTION LEVEL DATA

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RECORD TYPE "1", SECTION LEVEL DATA (Continued):

NUMBER OF CHARACTER POSITIONS	TAPE FORMAT POSITION	DATA ELEMENT	BRIEF DESCRIPTION/REQUIREMENT
(2)	80-81	Section Change Letter	Last Change Letter of Drawing that CDL section is being built to or modified to as applicable
(8)	82-89	Configuration Code	Code Defining the Section Design Configuration Baseline
(6)	90-95	Configuration Date	YYMMDD - Year, Month and Day of Configuration Release
(10)	96-105	Beginning Serial Number	First serial number produced of indicated configuration
(5)	106-110	Original Section Producer	CAGE (Code Ident)
(20)	111-130	Applicable Production Contract	Production Contract under which Section was Produced
(6)	131-136	Production Acceptance Date	Date of approval for section shipment to the Navy from the Production Facility - Year, Month and Day (YYMMDD)
(2)	137-138	Status	AC = Active, SC = Scrapped and EX = Expended
(4)	139-142	Status Date	YYMM, blank if "AC" status
(32)	143-174	Section Change Composite Cross Reference	First two letters for first change, second pair for second change, etc. (16 references max for one record)
(1)	175	Blank	

TABLE 1 (CON'T)

PREPARATION INSTRUCTIONS (CONTINUED)

RECORD TYPE "2", INDENTURED COMPONENTS:

NUMBER OF CHARACTER POSITIONS	TAPE FORMAT POSITION	DATA ELEMENT	BRIEF DESCRIPTION/REQUIREMENT
(1)	1	Record Type Code (2)	CDL Key "2"
(4)	2-5	Section Name Code	CDL Key
(20)	6-25	Section Part Number	CDL Key
(10)	26-35	Section Serial Number	CDL Key
(5)	36-40	Current Processing Facility	CDL Key CAGE (Code Ident)
(3)	41-43	Record Sequence Number	Number for each record to control the order in which records are presented
(26)	44-69	Component Part Name	Drawing nomenclature
(20)	70-89	Component Part Number	Drawing number and modifiers
(2)	90-91	Component Change Letter	Drawing change letter
(2)	92-93	Year Manufactured	Last two digits of year, per MIL-STD-1168A
(1)	94	Month of Manufacture	Month code per MIL-STD-1168A
(3)	95-97	Lot Interfix Number	Per MIL-STD-1168A
(1)	98	Lot Identifier Code	Per MIL-STD-1168A
(3)	99-101	Lot Sequence Number	Per MIL-STD-1168A
(1)	102	Lot Suffix Code	Per MIL-STD-1168A
(20)	103-122	Component Serial Number	Serial Number of listed component
(2)	123-124	Blank	
(5)	125-129	Manufacturer Name Code	CAGE (Code Ident)

TABLE 2 - RECORD TYPE "2" INDENTURED COMPONENTS

PREPARATION INSTRUCTIONS (Continued)

RECORD TYPE "2", INDENTURED COMPONENTS (Continued):

NUMBER OF CHARACTER POSITIONS	TAPE FORMAT POSITION	DATA ELEMENT	BRIEF DESCRIPTION/REQUIREMENT
(10)	130-139	RMSO Composite Cross Reference	RMSO sequence letters used for cross reference to RMSO records affecting replacements of this component
(34)	140-173	Component Change Composite Cross Reference	First two letters for first change, affecting component, second pair for second change, etc., for up to 17 changes max per record
(2)	174-175	Blank	

TABLE 2 (CON'T)

RD TYPE "3", CHANGE AUTHORIZATIONS:

NUMBER OF CHARACTER POSITIONS	TAPE FORMAT POSITION	DATA ELEMENT	BRIEF DESCRIPTION/REQUIREMENT
(1)	1	Record Type Code (3)	CDL Key "3"
(4)	2-5	Section Name Code	CDL Key
(20)	6-25	Section Part Number	CDL Key
(10)	26-35	Section Serial Number	CDL Key
(5)	36-40	Current Processing Facility	CDL Key CAGE (Code Ident)
(3)	41-43	Record Sequence Number	Number for each record to control the order in which records are presented
(24)	44-67	Change Identification	Incorporated change document type and number; e.g., ECP, RFD, RFW, ORDALT, etc.
(40)	68-107	Change Remark	General remarks
(4)	108-111	Change Document Date	YYMM - year and month of change document release effective for component
(2)	112-113	RMSO Individual Cross Reference	RMSO sequence letter used to cross reference authorizing change document to RMSO
(2)	114-115	Change ID Cross Reference Number	Code letter pair unique to each change ID number used for cross reference by record types 1 and 2
(10)	116-125	Previous Section Part Number	Previous section part number if part number was changed
(10)	126-135	Previous Section Serial Number	Previous section serial number if serial number was changed
(40)	136-175	Blank	

TABLE 3 - RECORD TYPE "3" CHANGE AUTHORIZATIONS

RECORD TYPE "4", RMSO HISTORY:

NUMBER OF CHARACTER POSITIONS	TAPE FORMAT POSITION	DATA ELEMENT	BRIEF DESCRIPTION/REQUIREMENT
(1)	1	Record Type Code (4)	CDL Key "4"
(4)	2-5	Section Name Code	CDL Key
(20)	6-25	Section Part Number	CDL Key
(10)	26-35	Section Serial Number	CDL Key
(5)	36-40	Current Processing Facility	CDL Key CAGE (Code Ident)
(3)	41-43	Record Sequence Number	Number for each record to control the order in which records are presented
(10)	44-53	RMSO-A,G Number	Repair/modification shop order identification number
(4)	54-57	RMSO-A,G Completion Date	YYMM completion date of repair/modification
(2)	58-59	RMSO-A,G Sequence Letter	Letter assigned in sequence for each repair cycle
(16)	60-75	RMSO-B,H	The following additional RMSOs are used to keep track of each repair cycle. Same data format as positions 44-59
(16)	76-91	RMSO-C,I	Same data format as positions 44-59
(16)	92-107	RMSO-D,J	Same data format as positions 44-59
(16)	108-123	RMSO-E,K	Same data format as positions 44-59
(16)	124-139	RMSO-F,L	Same data format as positions 44-59
(20)	140-159	Contract Number	Contract under which rework, repair, refurbishment or modification was made
(16)	160-175	Blank	

TABLE 4 - RECORD TYPE "4" RMSO HISTORY

SECTION RECORD TYPE STRUCTURE FOR TAPE FORMAT

For each Section CDL there will be:

One Type 1 record for sixteen or less change cross references and two for more than sixteen
One Type 2 record for each listed component for the Section
One Type 3 record for every change record
One Type 4 record if six or less Rework* cycles and two for more than six

Refer back to paragraph 10.7 for additional specifications.

* The term "Rework" here is inclusive of repair, modification and/or refurbishment.

NOTE: For Record Type 2, listings of multiple subassemblies of the same part number will immediately follow their next assembly listing.

Definitions:

ECP - Engineering Change Proposal
EED - Electro Explosive Device
CAGE - Commercial and Government Entity
ORDALT - Ordnance Alteration
RFD - Request for Deviation
RFW - Request for Waiver
RMSO - Repair and Modification Shop Order (shop traveler that specifies operations for rework, repair, modification or refurbishment)

TABLE 5 - CDL SECTION RECORD TYPE STRUCTURE FOR TAPE FORMAT