DATA ITEM DESCRIPTION

Title: BILL OF MATERIALS (BOM) FOR DIMINISHING MANUFACTURING SOURCES AND MATERIAL SHORTAGES MANAGEMENT

Number: DI-PSSS-81656A
AMSC Number: N9589
DTIC Applicable: No
Preparing Activity: SA
Applicable Forms:

Approval Date: 20151026
Limitation:
GIDEP Applicable: No
Project Number: PSSS-2015-011

Use/relationship: The Bill of Materials (BOM) will provide information that can be used to establish the production status of parts used in a system. The BOM will also provide Diminishing Manufacturing Sources and Material Shortages (DMSMS) management essential information that enables the identification, forecasting, mitigation, and management of Hardware and Software obsolescence as a part of the Department of Defense (DoD) Program Manager's Total System Life Cycle Management responsibilities. The data will be used in DMSMS forecasting tools to allow for standard and efficient sharing of information on common items.

This Data Item Description (DID) contains the format, content, and intended use of information for the data product resulting from the work task described by the contract.

The data may be obtained during any program life cycle phase.

Requirements:

1. Format. The BOM shall be in a format similar to that of Figure 1.

2. Content. The BOM shall contain all of the information specified in Figure 1, with the path to the system level identified using the part/Next Higher Assembly method detailed in the table. All fields shall be included. Fields which do not require data shall be left blank. The information shall be included to the lowest indenture level (component level) specified in the contract.

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FIGURE – 1 Table 1: Field Definitions and Instructions

Field Name	Definition	Notes and Instructions	Data Type
OEM Part Number	The part number assigned by the Original Equipment Manufacturer (OEM). This may be the same as the Manufacturer's number but more often than not it is different. Sometimes referred to the Configuration Part Number or the Drawing Number	Required. Referred to as the "Referenced Part" hereafter	Alphanumeric
OEM Name	The entity that is providing the referenced part to the government. Sometimes referred to as the Prime Integrator or Prime	Required	Alphanumeric
OEM CAGE	Commercial And Government Entity (CAGE) Code of the OEM	Required	Alphanumeric (5)
Revision Designator	The designator of the revision of the referenced part	Required if assigned	Alphanumeric
Software / Firmware Version	The designator assigned to the version of firmware/software used on the referenced part	Required for all software or firmware	Alphanumeric
Indenture Level	A number that represents the specific level of the top down structure specified on the Bill of Materials	Starts with the top level as one	Numeric
Reference Designator	A reference designator identifies the referenced part. ASME Y14.44-2008 and IEEE-315-1975 provide details for the proper configuration and use of reference designators.	Required if assigned	Alphanumeric
Find Number	Find number refers to the ordinal number that gives an ID tag to the referenced part in a parts list (list of materials, bill of materials).	Required if assigned	Alphanumeric
NHA Part Number	The OEM Part Number of the referenced part's parent (Next Higher Assembly (NHA)). If the referenced part is software or firmware then the NHA is the item the software is used on	Required for all parts except the top level assembly	Alphanumeric

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Field Name	Definition	Notes and Instructions	Data Type
NHA CAGE	CAGE code of the OEM of the NHA	Required for all parts except the top level assembly	Alphanumeric (5)
Nomenclature	The name or designation of the referenced part	Required for all parts	Alphanumeric
Quantity	The count of the referenced part per Next Higher Assembly	Required for all parts	Numeric
NSN	National Stock Number (NSN) of the referenced part	Required if item has NSN assigned	Alphanumeric
COG	Cognizance (COG) Code: A two-part alphanumeric designator used by the Navy to provide supply management information	Required if assigned	
Manufacturer's Part Number	The part number assigned by the actual manufacturer of the referenced item. This number will be used to monitor the part for obsolescence issues	Required (may be the same as the referenced part if the part is manufactured by the OEM).	Alphanumeric
Manufacturer's Name	The entity that actually manufactures the referenced part	Required	Alphanumeric
Manufacturer's CAGE	The CAGE code of the entity that actually manufactures the referenced part	Required	Alphanumeric (5)
Alternate For	The OEM Part Number of the item the referenced part is the alternate for	Required if the referenced part is an alternate to another part in the BOM	Alphanumeric
Assembly Type	Identifies whether the item is Commercial Off The Shelf (COTS), Non-Developmental Item (NDI), or Developmental Item, (DI)	Required if the referenced part is an assembly considered COTS, NDI, or DI. See the Definitions section of 48 CFR 2.101 –for definitions.	Alphanumeric (COTS, NDI, or DI)

3. Media Requirement. The BOM shall be provided as an electronically editable, machine-readable Comma Separated Values (CSV) text file with alphanumeric fields enclosed in double quotation marks.

End of DI-PSSS-81656A

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