

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