

DATA ITEM DESCRIPTION

Title: DIMINISHING MANUFACTURING SOURCES AND MATERIAL SHORTAGES (DMSMS) HEALTH ANALYSIS REPORT

Number: DI-MGMT-81900

Approval Date: 20130313

AMSC Number: N9353

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: SH/SEA 00

Applicable Forms: N/A

Use/relationship: The DMSMS Health Analysis report will contain data for each system configuration. The Health Analysis will provide trace ability of problems to the systems unit or function level to determine if a functional redesign would be cost effective. The DMSMS Health Analysis will provide out year information for future supportability and planning purposes. Additionally, the DMSMS Health Analysis shall forecast the future availability of the Commercial off the Shelf (COTS) items and components.

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

Requirements:

1. Format. The DMSMS Health Analysis report shall be in contractor format.
2. Content. The DMSMS Health Analysis report shall include the overall status of COTS items and shall also contain the following information:
 - a. Start of Production – Production start for this product.
 - b. End of Production – Planned or estimated End of Production (EOP) date.
 - c. Replacement – Recommended replacement for the product.
 - d. Cost – Purchase price for the product.
 - e. Warranty – Standard warranty for the product.
 - f. Repair – How long after EOP will the government be able to have this product repaired.
 - g. MTBF – Mean Time Between Failure (MTBF) (hours).
 - h. Operating Systems – Operating Systems supported.
 - i. Firmware – Firmware delivered or integrated with the product and current version.
 - j. RoHS – Restriction of Hazardous Substances (RoHS). Is the product RoHS compliant, did the part number change, and how long has the product been RoHS compliant.

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2.1 The overall status of the individual components shall be reported in the following manner. Statuses shall be provided for individual components. The data is correlated to provide the overall status of the Original Equipment Manufacturer (OEM) part. Each component will be identified in one on the following categories:

- a. Available – The part is available from one or more approved manufacturing sources.
- b. Aftermarket – The part is obsolete from the original source of supply; however an Aftermarket manufacturer offers possible alternate.
- c. Alternate Available – The part is obsolete from the original source of supply, however a possible alternate is available. A review and possibly testing of the alternate is required to determine if acceptable for use in the system.
- d. Alternate LTB – Approved part is obsolete from approved sources and possible substitute has had a Life Time Buy (LTB) announcement made.
- e. Alternate LTB/Aftermarket – The part is available from a possible alternate with a LTB date announced and also available from an Aftermarket supplier.
- f. Alternate Aftermarket – The part is obsolete from the original source of supply, however a possible alternate is available. In addition to a possible alternate available from a major manufacturer, a possible alternate is available from an Aftermarket supplier.
- g. Life Time Buy – The approved part has had a LTB date announced and an alternate part is not known
- h. Life Time Buy Aftermarket – The approved part has had a LTB date announced, however a possible alternate is available.
- i. Alternate LTB – The part is obsolete from approved sources and the possible alternate has had a Life Time Buy (LTB) announcement made.
- j. LTB/Alternate LTB – Approved and substitute both have a LTB date notice.
- k. LTB/Alternate/LTB Aftermarket – The approved part has had a LTB announced, a possible substituted has had a LTB announcement made, but there is another possible substitute.
- l. LTB/Alternate/Aftermarket – The approved part has had a LTB announced, but there is a possible alternate and an Aftermarket manufacturer offers a possible alternate.
- m. Obsolete – A part is obsolete from all of the original sources and no alternate or Aftermarket source is known.
- n. Unknown – Additional part information is required to determine status.

2.2 System Level reporting shall include the following Data Fields:

- a. Original Equipment Manufacturer (OEM)
- b. OEM Commercial and Government Entity (CAGE)
- c. OEM Part Number
- d. Nomenclature

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2.3 Line Replaceable Unit (LRU) Level reporting shall include the following Data Fields:

- a. OEM
- b. OEM CAGE
- c. OEM Part Number
- d. Known Alternate Part Numbers
- e. Reference Designator or Next Higher Assembly (NHA)
- f. Nomenclature
- g. Quantity used in System
- h. National Identification Item Number (NIIN)

2.4 LRU Component Level reporting shall include the following Data Fields:

- a. OEM
- b. OEM CAGE
- c. OEM/Source or Specification Control Drawing (SCD) Piece-Part Numbers
- d. OEM/SCD Piece-Part Reference Designator or NHA
- e. OEM/SCD Piece-Part Nomenclature
- f. OEM/SCD Piece Part Quantity on LRU
- g. OEM/SCD Piece Part Revision Level
- h. OEM/SCD Piece Part Firmware Version
- i. Actual Vendor Piece-Part Numbers
- j. Actual Vendor Piece-Part Cage
- k. Known Alternate Piece-Part Numbers & Cages
- l. NIIN

2.5 In addition to level information the DMSMS Health Analysis report shall include:

- a. Trace ability of problems to the systems unit or function level to determine if a functional redesign would be cost effective.
- b. Out year information for future supportability and planning purposes.
- c. Forecasts the future availability of the Commercial off the Shelf (COTS) items and components.
- d. Current stock and availability information.

2.6 Media Requirements. The report shall be in digital Adobe Acrobat™ 6.0 format specified in the contract.

3.0 End of DI-MGMT-81900.