

DI-MGMT-81803

## DATA ITEM DESCRIPTION

Title: Item Unique Identification (IUID) Marking Plan

Number: DI-MGMT-81803

Approval Date: 20110719

AMSC Number: 9124

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: 70 (OO-ALC)

Applicable Forms: N/A

Use/relationship: The Item Unique Identification (IUID) Marking Plan details the Contractor's strategy to execute marking requirements identified in the Government Statement of Work (SOW)/Performance Work Statement (PWS)/Objectives, and/or Defense Federal Acquisition Regulation Supplement (DFARS). The Plan fully documents the scope of meeting MIL-STD-130 DoD Standard Practice Identification Marking of U.S. Military Property, with the Contractor's marking requirements, marking methodology/strategy, data management, quality assurance, facilities and marking equipment, technical data package requirements, data carrier symbols and print quality, and the master schedule to help the Government manage marking activities in a cost effective and timely manner. To ensure quality, validation, verification, and registration of items being marked, guidance may be gained from two documents: DoD Guide to Uniquely Identifying Items (Assuring valuation, Accountability and Control of Government Property) and DoD Guide to Item Unique Identification Quality. If the quality measuring methodology is non-responsive for desired marking methods, quality levels will be identified within this plan.

This Data Item Description (DID) contains format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract. This DID may be applied in any contract which contains a requirement for marking parts and equipment with IUID Data Matrix symbols.

Requirements:

1. Reference documents: The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, will be as cited online at Acquisition Streamlining and Standardization Information System (ASSIST) Update at the time of the solicitation.
2. Format. Contractor's format is acceptable.
3. Content. The Marking Plan will cover the following elements:
  - 3.1 Describe the minimum item marking requirements
  - 3.2 List/Detail items/assets to be marked within the scope of the plan.
  - 3.3 Marking Methodology/Strategy

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- 3.3.1 Describe which type of marking methodology will be used (i.e., Direct or Indirect Part Marking, Data Plate Modification, etc.).
- 3.3.2 Describe the Imprint Method / Type of Label / Nameplate (i.e., Chemical Etch, Dot Peen, Laser, Thermal Transfer, Ink Jet, Photo Etch, etc.).
- 3.3.3 Marking Specifications.
  - 3.3.3.1 Identify applicable engineering drawings requiring IUID marking.
  - 3.3.3.2 Machine Readable Mark Generation Instructions.
    - 3.3.3.2.1 Define the construct method (i.e. Construct 0, Construct 1, - 18S, 25S, or Construct 2 – 1P 1T).
    - 3.3.3.2.2 Determine the Enterprise Identifier (EID) (i.e. Cage, DUNS, DoDACC/MAPAC, or GS1).
    - 3.3.3.2.3 Determine the level of serialization (i.e., Part, Lot, Batch, Enterprise, etc.).
    - 3.3.3.2.4 If using Construct 1 – 18S, identify the sequence number generation process.
    - 3.3.3.2.5 Determine other data elements required in the data matrix symbol (30P and 30T).
  - 3.3.3.3 Determine the Human Readable Mark Generation elements to be included on the label.
  - 3.3.3.4 For labels/nameplates, identify which type of material will be used for the creation of the Mark (i.e., Aluminum, Polyacrylic, Metal Foil, Polyester, Polyvinyl, Aluminum Foil, Stainless Steel, etc.).
  - 3.3.3.5 Describe the overall layout of the Mark including (Reference Tech Data as applicable).
    - 3.3.3.5.1 Size (Length, Width, Thickness, etc.).
    - 3.3.3.5.2 Shape (Circle, Square, Rectangle, Rounded Corners, etc.).
    - 3.3.3.5.3 Layout/Order (Location of Human and Machine Readable elements).
    - 3.3.3.5.4 Marking Location on Asset .
    - 3.3.3.5.5 Type of Lettering (Font, Font Size, Color, etc.).
    - 3.3.3.5.6 Attachment Method (Adhesive, Screws, Rivets, Tags, Bag and Tag, Tags and Bands, etc.). For Tag, and Bag/Band and Tag items, provide evidence of why part could not be marked and Government concurrence.

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4. Describe the contractor's process for marking legacy parts, Government Furnished Property (GFP), and Property in Possession of Contractor (PIPC) including tooling.

4.1 Data Management.

4.1.1 Describe the systems required to incorporate Serial Number Tracking (SNT) and Parent/Child relationship if any and communicate the IUID data to the Program Manager.

4.1.2 Describe the contractors process/systems required to assign Unique Items Identifiers (UIIs) and register Unique Identification (UID) information to the Department of Defense IUID Registry.

4.1.3 Describe the contractors process/system used to identify and track all warranted items i.e. all items with an extended warranty (more than just the standard contract time and workmanship), provide length of warranty, and date entered service (i.e. via WAWF). Describe how the contractor will mark/use the IUID data on the package and shipping containers.

4.2 Quality Assurance.

4.2.1 Describe the verification process and any sampling techniques which ensure the Machine Readable Information (MRI) complies with applicable standards as prescribed in MIL-STD-130.

4.2.2 Identify a format for reporting verification results to include pass/fail and any acceptance criteria from MIL-STD-130 in paragraph 5 titled Data Matrix symbol quality.

4.2.3 Describe the process for identifying and reporting deficiencies in the mark properties, as well as repair and replacement procedures.

4.2.4 Include UID Contract Data Requirements List (CDRLs) as part of the surveillance method or Quality Assurance processes.

4.2.5 Describe the contractors process used to document UII marking of legacy parts that an IUID Engineering Assessment completed when they are returned to the depot for repair, i.e., Repair Receiving Report (R3).

4.3 Facilities and Marking Equipment.

4.3.1 Describe the facilities, marking equipment, floor space, utilities, environmental and safety elements, etc. required to meet marking requirements on a production basis.

4.4 Technical data package requirements.

4.5 Master Schedule.

5.0 End of DI-MGMT-81803