

DATA ITEM DESCRIPTION

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1. TITLE

SPECIAL TOOLING (ST) DRAWINGS AND ASSOCIATED LISTS

2. IDENTIFICATION NUMBER

DI-DRPR-81008A

3. DESCRIPTION/PURPOSE

3.1 Special Tooling (ST) drawings and associated lists provide the data required for the limited production of ST which duplicates the physical and performance characteristics of the original ST.

4. APPROVAL DATE

970521

5. OFFICE OF PRIMARY RESPONSIBILITY(OPR)

AR

6a. DTIC REQUIRED

6b. GIDEP REQUIRED

7. APPLICATION/INTERRELATIONSHIP

7.1 This Data Item Description (DID) contains the format and content preparation instructions for ST drawings and associated lists resulting from the work task described by 3.6.6 of MIL-DTL-31000A.

7.2 This DID is applicable to acquisition of military systems, equipment, and components which require the use of special tooling to achieve the engineering requirements of the item.

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8. APPROVAL LIMITATION

9a. APPLICABLE FORMS

9b. AMSC NUMBER

D7279

10. PREPARATION INSTRUCTIONS

10.1 Reference Documents. The applicable issue of documents cited herein, including their approval dates and the dates of applicable amendments, notices, and revisions, shall be as cited in the contract.

10.2 General. ST drawings and associated lists shall meet the requirements of MIL-DTL-31000A. ST drawings and associated lists shall be in accordance with, ASME Y14.100M, ASME Y14.34M, and, where DoD peculiar requirements must be met, MIL-STD-100, except as noted herein.

10.3 Format. ST drawings and associated lists shall be in contractor or Government format or as specified.

10.4 Content. ST drawings and associated lists shall provide the design disclosure information necessary to permit the manufacture of tooling that duplicates the functions of the original ST. ST drawings and associated lists shall provide:

a. Details of processes which are not published or generally available to industry, when these processes are mandatory to achieving the engineering requirements of the tooling.

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11. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

Block 7, Application/Interrelationship (Continued)

7.3 This DID supersedes DI-DRPR-81008, which superseded DI-CMAN-80782.

Block 10, Preparation Instructions (Continued)

- b. Performance ratings and tolerances.
- c. Dimensions and tolerances
- d. Critical manufacturing processes and assembly sequences.
- e. Toleranced input and output characteristics.
- f. Diagrams.
- g. Mechanical and electrical connections.
- h. Physical characteristics, including form and finish requirements.
- i. Details of material identification, including heat treatment and protective coatings.
- j. Calibration information.
- k. Environmental requirements.
- l. Reliability requirements.
- m. Maintainability requirements.

10.5 Selection of drawings. The types of drawings and associated lists to be prepared shall be selected from ASME Y14.24M. The applicable selection worksheet incorporated in the contract or purchase order will specify whether the contractor or the Government is responsible for selecting the types of drawings and associated lists to be prepared.

10.6 Multi-detail and detail assembly drawings. Multi-detail and detail assembly drawings may be used at the discretion of the contractor. The mono-detail drawing system shall not be mandatory for ST drawing packages.

10.7 CAGE code and document numbers. ST drawings and associated lists shall be identified with the contractor's CAGE code and contractor document numbers or with a Government CAGE code and Government document numbers as specified in the applicable selection worksheet incorporated in the contract.

10.8 Control drawings. Vendor items used in the ST without alteration, selection, or source qualification shall be identified on ST drawings and lists by the manufacturer's CAGE Code and part or identifying number. Vendor item control drawings are not required for vendor items. When vendor items must be altered, selected, or required source qualification prior to use in the ST, they shall be documented on Altered Item, Selected Item, or Source Control drawings in accordance with ASME Y14.100M and ASME Y14.24M.

