

QUALITY REMARK: MED
STANDARD REMARK F04

GUIDE FOR PREPARATION OF MASTER ENVELOPE DRAWINGS (MED) BY DESIGN SUPPLIERS

1.0 SCOPE

THIS GUIDE DEFINES THE REQUIREMENTS FOR USE BY THE SUPPLIER IN THE PREPARATION OF A MASTER ENVELOPE DRAWING IN CONJUNCTION WITH THE GE PREPARED DESIGN PROCUREMENT DRAWING. THIS GUIDE ALSO CONTAINS THE SUPPLIER'S REQUIREMENTS FOR MAINTAINING AND CONTROLLING CHANGES TO THE MED DRAWING. THE DPD/MED SYSTEM IS AN ALTERNATIVE TO THE SOURCE CONTROL DRAWING SYSTEM FOR THE TECHNICAL DEFINITION AND PROCUREMENT CONTROL OF SUPPLIER DESIGNED ITEMS.

2.0 DEFINITIONS

DESIGN PROCUREMENT DRAWING (DPD): A GE PREPARED DRAWING THAT INVOKES THE GE DESIGN SPECIFICATION AND ESTABLISHES THE PROCUREMENT IDENTITY FOR THE ITEM. THE DPD MAY CALL OUT A GE INTERFACE CONTROL DRAWING IF NECESSARY. THE DPD ALSO INVOKES THE SUPPLIER PREPARED MASTER ENVELOPE DRAWING AS THE CONTROLLING DOCUMENT FOR ALL GRAPHICALLY DISPLAYED REQUIREMENTS.

MASTER ENVELOPE DRAWING (MED): A SUPPLIER PREPARED AND MAINTAINED DRAWING (IN ACCORDANCE WITH THE SUPPLIER'S DRAWING SYSTEM AND CERTAIN GE ACCEPTABILITY REQUIREMENTS) THAT CONTROLS THE EXTERNAL ENVELOPE BOUNDARIES AND DETAILS OF THE PHYSICAL INTERFACE (INCLUDING APPLICABLE INTERNAL FEATURES SUCH AS ELECTRICAL CONNECTOR RECEPTACLES). IT SHALL BE UNDER GEAE APPROVED CHANGE CONTROL AS DEFINED IN THE APPLICABLE DESIGN SPECIFICATION (AND IMPLEMENTED IN ACCORDANCE WITH APPLICABLE OPERATING PROCEDURES). GE SHALL HAVE THE UNRESTRICTED RIGHT TO USE, COPY, AND DISCLOSE THIS DRAWING.

3.0 MED PREPARATION REQUIREMENTS

FORMAT: TO BE PREPARED ON SUPPLIER'S FORMATS IN ACCORDANCE WITH SUPPLIER'S DRAWING SYSTEM.

GOVERNING DOCUMENT: SUPPLIER'S DRAWING SYSTEM FOR MED'S SHALL COMPLY WITH MIL-STD-100.

LEGIBILITY: MED'S SHALL HAVE CLEAR LEGIBILITY OF LETTERING FONTS AND DELINEATION AFTER MICROFILMING AND RASTERIZING, WITH SPECIAL ATTENTION ON COMPUTER GENERATED LETTERING. THIS WILL BE APPROVED BY GE.

4.0 MED CONTENT REQUIREMENTS

HARDPOINT INTERFACES: THE MED SHALL ESTABLISH TOLERANCED DIMENSIONS FOR ALL HARDPOINT INTERFACES SUCH AS MOUNTING POINTS, FLUID PORTS, ELECTRICAL CONNECTORS, ETC.

SPATIAL ENVELOPE: THE MED SHALL ESTABLISH THE COMPLETE 3-D SPATIAL BOUNDED ENVELOPE, INCLUDING LIMITS OF TRAVEL, REMOVAL ENVELOPE AND SERVICE POINTS, IF APPLICABLE. MAX. OR MIN. TYPE OF DIMENSIONS ARE PREFERRED.

MARKING: THE MED SHALL ESTABLISH THE MARKING LOCATION, METHOD (WHEN NECESSARY) AND THE REQUIREMENT FOR SERIALIZATION, IF REQUIRED.

MARKING CONTENTS SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATION OR CLEARLY DEFINED ON THE MED. THE PART IDENTIFICATION NUMBER IS BASED UPON THE DPD. MARKING SHALL INCLUDE THE SUPPLIER'S PART IDENTIFICATION NUMBER; ALSO ON THE DPD, THE MED NUMBER IS NOT AN ACCEPTABLE SUPPLIER IDENTIFICATION NUMBER.

SUPPLIER DOCUMENTS: SUPPLIER DOCUMENTS SHALL NOT BE SPECIFIED ON MED'S (E.G., SUPPLIER SPECS, PARTS LISTS, DRAWINGS, ETC.)

BLACK OUTS: MED'S SHALL NOT CONTAIN BLACKED OUT OR OBLITERATED AREAS. (ALSO SEE SECTION 8 FOR DATA RIGHTS LEGEND).

5.0 MED COMPATIBILITY REQUIREMENTS

SUPPLIER ASSEMBLY DRAWING: THE MED SHALL BE KEPT CURRENT WITH THE DESIGN STATUS OF THE SUPPLIER'S ASSEMBLY DRAWING, WHICH ESTABLISHES THE SUPPLIER'S PART IDENTIFICATION NUMBER.

DESIGN PROCUREMENT DRAWING: THE MED SHALL BE KEPT CURRENT WITH THE DPD, INCLUDING ANY GEAE INTERFACE CONTROL DRAWINGS IT MAY SPECIFY.

INTERFACE SUPREMACY: A GE APPROVED AND ISSUED MED IDENTIFIED ON A DPD ESTABLISHES THE DEFINITIVE INTERFACES AND OVERRIDES ANY PREVIOUSLY ISSUED INTERFACE CONTROL DRAWINGS (ICD), WHICH WILL BE DELETED FROM THE DPD/MED. THE IDENTIFIED MED ALSO OVERRIDES AN ICD IDENTIFIED WITHIN THE GE HARDWARE SPEC.

6.0 DRAWING APPROVAL REQUIREMENTS

GE APPROVAL.

1. PRIOR TO ISSUANCE, SUPPLIER SHALL SUBMIT COPY TO GEAE ENGINEERING FOR REVIEW.
2. AFTER ALL GE COMMENTS ARE RESOLVED, SUPPLIER SHALL SUBMIT A FINAL PRINT FOR APPROVAL.
3. GEAE SOURCING OR AN AGREED UPON PARTY WILL NOTIFY SUPPLIER OF GE APPROVAL FOR ISSUANCE. THE SUPPLIER IS NOT PERMITTED TO ISSUE THE MED PRIOR TO RECEIVING GEAE APPROVAL, WHICH IS OBTAINED FROM GE SOURCING, ENGINEERING, ETC.

SUPPLIER APPROVAL.

1. AFTER NOTIFICATION OF GE APPROVAL, SUPPLIER SHALL ISSUE MED INTO THEIR RELEASE SYSTEM WITH ALL REQUIRED SUPPLIER APPROVALS ON ALL SHEETS, AND IMPLEMENT THE REQUIRED DISTRIBUTION, WHICH INCLUDES IMMEDIATE COPIES TO GE.
2. GEAE'S COPY MUST BE IN THE FORM OF A ROLLED PRINT, MICROFILM OR ELECTRONIC IMAGE. REGARDLESS OF TYPE, THE MEDIA MUST MEET MICRO-FILMING AND RASTERIZATION REQUIREMENTS (SEE 3.0 LEGIBILITY).

COMMONALITY. THE DRAWING LOCATED IN THE SUPPLIER DATABASE, COMPUTER, ETC. MUST BE 100% COMPATIBLE WITH THE GEAE ISSUED COPY WITH NO EXCEPTIONS.

7.0 MED CHANGE CONTROL

DESIGN SPECIFICATION: THE MED SHALL BE UNDER CHANGE CONTROL IN ACCORDANCE WITH THE GE DESIGN SPECIFICATION.

GE PRIOR APPROVAL: ALL CHANGES TO A MED SHALL BE SUBMITTED TO GE FOR PRIOR APPROVAL AND ARE EXCLUDED FROM THE DESIGNATED SUPPLIER DESIGN CHANGE PROGRAM. THE MED IS A GE/SUPPLIER CO-RESPONSIBLE DRAWING AND SHALL NOT BE CHANGED BY EITHER PARTY WITHOUT THE OTHER'S APPROVAL.

CHANGE INITIATION: THE SUPPLIER MAY REQUEST A CHANGE TO A MED BY SUBMITTING A RDC TO GEAE CONFIGURATION CONTROL. GE MAY ALSO REQUEST CHANGES TO A MED BY IDENTIFYING THE CHANGE AND REQUESTING THE SUPPLIER TO SUBMIT A RDC.

CHANGE APPROVAL: AFTER RECEIVING GE APPROVAL OF A RDC, THE SUPPLIER SHALL UPDATE THE MED, ADVANCE THE REVISION LETTER, AND IF REQUESTED, SUBMIT A PRINT FOR GE REVIEW. AFTER GE APPROVAL, THE SUPPLIER SHALL ISSUE THE DRAWING AND IMPLEMENT THE REQUIRED DISTRIBUTION INCLUDING GEAE'S COPY. AGAIN, THE SUPPLIER IS NOT PERMITTED TO ISSUE THE MED PRIOR TO RECEIVING GEAE SOURCING APPROVAL WHICH IS OBTAINED FROM GE ENGINEERING, ETC.

8.0 RIGHTS IN DATA

UNRESTRICTED, NONPROPRIETARY: THE SUPPLIER SHALL FURNISH, ON AN UNRESTRICTED, NON PROPRIETARY BASIS, A MASTER ENVELOPE DRAWING

(ORIGINAL ISSUE PLUS ALL SUBSEQUENT REVISIONS).

LEGEND: THE FOLLOWING LEGEND SHALL APPEAR ABOVE THE TITLE BLOCK
OF A MED:

GE SHALL HAVE THE UNRESTRICTED RIGHT TO
USE, COPY, AND DISCLOSE THIS DRAWING

STATEMENTS: NO STATEMENTS OF ANY KIND THAT COULD BE INTERPRETED
AS PROPRIETARY RIGHTS ARE PERMITTED ON THE DRAWING. ANY STATEMENT
OF THIS NATURE MUST BE REMOVED IN ITS ENTIRETY PRIOR TO ISSUING AT
THE SUPPLIER'S LOCATION AND SUBSEQUENTLY AT GEAE.