

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc.

485 LEXINGTON AVENUE
NEW YORK 17, N.Y.

AEROSPACE RECOMMENDED PRACTICE

ARP 709

TECHNICAL DATA REQUIREMENTS FOR SUPPORT EQUIPMENT

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Revised

1. FOREWORD:

Past methods of technical data submittal have required vendors to comply with numerous non-standard data specifications from different prime contractors, even though the ultimate customer may have been the same. The accompanying tables have been developed for use by prime contractors when requesting technical data from vendors or subcontractors. The first table lists the standard requirements which can be definitely specified. The second table is a guide to be used for summarizing the test requirements. The format of the tables has been made flexible in concept, since data requirements vary between the different services, and also between the bureaus, corps, commands, etc. within each service. The format has general application so as to minimize updating, and is useful enough to justify prime contractor's incorporation into their procurement systems.

2. SUMMARY:

The accompanying tables will provide the prime contractor with the means of conveying to subcontractors the exact requirements for data submittal. Acceptance of these forms as standard will result in a more nearly universal understanding throughout industry of the relationship between prime contractors and subcontractors in the area of technical data requirements.

Section 8.3 of the SAE Technical Board rules provides that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no agreement or understanding between the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against infringement of patents."



Documents

Document Sharing Hub

NOMENCLATURE _____

PURCHASER PART NO. _____ VENDOR PART NO. _____

VENDOR _____

PURCHASER _____ PURCHASE ORDER NO. _____

TABLE I
TABLE I IS TO BE COMPLETED BY THE PURCHASER

ITEM NO.	DATA DESCRIPTION	REQUIRED	NOT REQUIRED	APPLICABLE SPECIFICATION (INCLUDE SPECIFIC PARAGRAPHS WHERE POSSIBLE)	QUANTITIES REQUIRED		SUBMITTAL REQUIRED BY (DATE)
					PRINTS	REPRO.	
1.	DESIGN DATA & REPORTS						
a.	INSTALLATION(OUTLINE ASSY.) DRAWINGS						
b.	INSTALLATION INSTRUCTIONS						
c.	ASSEMBLY DRAWINGS						
d.	DETAIL DRAWINGS						
e.	NUMERICAL INDEX OF DRAWINGS AND MATERIAL PROCESS SPECS.						
f.	WEIGHT REPORT						
g.	WIRING DIAGRAMS						
g.1	EXTERNAL (INTERCONNECTING)						
g.2	SCHEMATIC (MAJOR)						
g.3	SCHEMATIC (MINOR)						
g.4	PRACTICAL (PICTORIAL)						
h.	ENGINEERING REPORT						
i.	ENGINEERING PROGRESS LETTER						
j.	PROGRESS REPORT						
k.	DRAWINGS & DATA SUBMITTAL SCHEDULE						
l.	SPECIAL & STANDARD SUPPORT EQUIP. LISTS						
m.	OVER-ALL FUNCTIONAL BLOCK DIAGRAM						
n.	POWER REQUIREMENT DATA						
o.	ELECTRON TUBE COMPONENT REPORT						
p.	TEST BENCH HARNESS PROPOSAL						
q.	CUTAWAY ASSEMBLY DRAWINGS						
2.	SPECIFICATIONS						
a.	MATERIAL & PROCESS SPECIFICATIONS						
b.	IDENTIFICATION MARKING OF U.S. MILITARY PROPERTY						
c.	INSTALLATION SPECIFICATION						
d.	BENCH, PRE-FLIGHT & FLIGHT TEST SPECIFICATION						
3.	QUALITY ASSURANCE DATA						
a.	INSPECTION TEST PROCEDURE						
b.	DESIGN APPROVAL TEST PROCEDURE						
c.	LIFE TEST PROCEDURE						
d.	RELIABILITY TEST PROCEDURE						
e.	ENVIRONMENTAL TEST PROCEDURE						
f.	INFORMATION NON-STANDARD PARTS						
f.1	REQUEST LETTER						
f.2	DRAWINGS						
f.3	TEST DATA						
f.4	DATA SHEET						
g.	ELECTRON TUBE APPROVAL REQUEST						
h.	REQUEST FOR A DESIGNATION AND NOMENCLATURE						
h.1	REQUEST FORM						
h.2	ITEM DESCRIPTIONS						
h.3	OUTLINE DRAWINGS						
i.	REQUEST FOR NAMEPLATE APPROVAL WITH NAMEPLATE DRAWINGS						
j.	DEVELOPMENT TEST PROCEDURE						
4.	RELIABILITY DATA						
a.	DESIGN APPROVAL TEST REPORT						
b.	LIFE TEST REPORT						
c.	RELIABILITY TEST REPORT						
d.	ENVIRONMENTAL TEST REPORT						
e.	CASTING DATA						
e.1	PRELIMINARY MEMO						
e.2	RADIOGRAPHIC STANDARD						
e.3	FINAL REPORT						
f.	STRESS ANALYSIS DATA						
f.1	STRUCTURAL DESCRIPTION & METHOD OF ANALYSIS						
f.2	FORMAL STRESS ANALYSIS						
f.3	FORMAL STRESS ANALYSIS						
f.4	MONTHLY PROGRESS REPORT						
f.5	STRESS ANALYSIS OF CHANGES						
g.	RELIABILITY PROGRAM PROGRESS DATA						
h.	DEVELOPMENT TEST REPORT						
5.	TRAINING						
a.	HANDBOOKS						
b.	ITEM DESCRIPTION						
c.	DESCRIPTION & OPERATION						
d.	SERVICING INSTRUCTIONS						
e.	TROUBLESHOOTING INSTRUCTIONS						
f.	REPAIR INSTRUCTIONS						
g.	LUBRICATION REQUIREMENTS						
6.	SPARE PARTS & PROVISIONING DATA						
a.	SCHEDULE OF REASONABLE SERVICE & PARTS REPLACEMENT						
b.	PROVISIONING PARTS BREAKDOWN						
c.	DELINQUENCY REPORTS FOR SPARE PARTS						
d.	SHIPPING DOCUMENTS FOR SPARE PARTS						
e.	SPARE PARTS DESIGN CHANGE NOTICE						
f.	LIST OF VENDOR PARTS						
g.	PRODUCTION LIST						
h.	PROCUREMENT DATA						
i.	SHIPPING REQUIREMENTS						
j.	INTERCHANGEABILITY - REPLACEABILITY WORKING LISTS						
k.	INTERCHANGEABILITY DATA						