

CONTRACT C WORKSHEET

PRON P40HLEX4 AMC 1 AMSC G ATC AWC5D

TDP 11745900 TDPL DATE 04/13/00

NSN 4931010551016 NOMENCLATURE TEST SET,LASER

ENGINEERING EXCEPTIONS: The following engineering changes apply to this procurement action(s):

DOCUMENT	DELETE	REPLACE WITH
SPI-11745900	MIL-P-116	MIL-STD-2073-1
MS17143	SAE AS 17143	
MS20426	NAS 20426	
MS3368	SAE AS 33681	
MS3416	MIL-C-85049/31,MIL-C-85049/60	
MIL-P-8585	TT-P-1757	
J-C-98	FED-STD-228	
MIL-P-15328	DOD-P-15328	
MIL-W-47206	MIL-C-27500	
MIL-I-23053	MIL-DTL-23053	
MIL-F-45133	MIL-F-13926	
MIL-P-47115	MIL-PRF-22750	
MIL-STD-105	MIL-STD-1916	
MIL-P-116	MIL-STD-2073	
MIL-E-5272	MIL-STD-810	
MIL-S-47129	AMS 3755	
MIL-C-14550	AMS-2418	
MIL-M-3171	AMS-M-3171	
USAS-B46.1	ANSI-B46.1	
QQ-C-533	ASTM B194	
QQ-A-250	ASTM B209	
QQ-A-225	ASTM B211	
MIL-M-14077	ASTM D1457	
O-A-51	ASTM D329	
MIL-M-20693,MIL-P-20693	ASTM D4066	
O-T-634	ASTM D4080	
O-T-620	ASTM D4126	
MIL-P-19833,MIL-M-14	ASTM D5948	
L-P-509	ASTM D709	
TT-M-261	ASTM D740	
TT-X-916	ASTM D846	
MIL-P-55617,MIL-G-55636	IPC 4101	
MIL-STD-2000	BEST COMMERCIAL PRACTICE	
MIL-T-10727	ASTM B454,ASTM B339	
MIL-T-43435	A-A-52080 THRU A-A-52084	
QQ-A-200/9	SAE AMS-QQ-A-200,ASTM B221,ASTM B308	
QQ-B-613	ASTM B36,ASTM B121	
QQ-C-530	ASTM B196,B197,B194	
QQ-P-35	ASTM A967	
QQ-S-571	ANSI J-STD-006	

Attachment 001

11745366 add note: The potting material shall be mixed, handle and cured in accordance with the manufacturer's best commercial practice.
 11745911 address: APW Zero Cases, 500W 200 N, 54310, P#: 801-299-7392 North Salt Lake, Ut 84054-0310
 SQAP 10559508 a- MIL-STD-105 MIL-STD-1916 VL IV for MAJOR & VL II
 & AQLS MINOR characteristics
 b- MIL-F-45133 MIL-F-13926
 c- Notes 2 or 4 Soldering Statement Specified Below

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MIL-S-45743	"	"
SQAP 10559514 EXCEPT b	"	"
SQAP 10559518 EXCEPT b	"	"
SQAP 10559519 EXCEPT b	"	"
SQAP 11745900 EXCEPT b & c	"	"
SQAP 11745919 EXCEPT a	"	"
SQAP 11745930 EXCEPT a	"	"
SQAP 11745933 EXCEPT a	"	"
SQAP 11745934 EXCEPT a	"	"
SQAP 11745935 EXCEPT a	"	"
SQAP 11745937 EXCEPT a	"	"
SQAP 11745938 EXCEPT a	"	"
SQAP 11747001 EXCEPT a & c	"	"
SQAP 11747010 EXCEPT a	"	"
SQAP 11747011 EXCEPT a	"	"

For SQAP 11745934 Pg. 1, PART I, TABLE I for characteristic 103 change NOTE 14 to 12.

For SQAP 11746954 Pg. I for 105 under PER DWG OR SPEC add MIL-F-139026

For SQAP 11747001 Pg. I, PART I, TABLE I CHANGE 104 NOTE 8 to NOTE 7.

All soldering and soldering related operations shall be performed in accordance with a detailed soldering process plan to be developed and maintained by the contractor. The plan shall include the procedures to be used for all soldering and soldering related operations (i.e. hand soldering, tinning, solderability testing or verification, automated soldering, inspection, process controls). Each procedure shall describe the operation in sufficient detail to ensure that the performance requirements for the item being manufactured are met. As a minimum, each procedure shall include the process, tools, equipment, materials and acceptance criteria used for the operation. The soldering process plan shall be made available to the cognizant government technical agency.

In lieu of developing a soldering process plan, the contractor may elect to utilize ANSI/IPC/J-STD-001, Class 3*, with the cleanliness designator as indicated below:

Flux Type in use	Cleanliness Designator**
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Low Residue/No Clean Flux	C02

Rosin Based Flux C22
Water Soluble Flux C22

*Class 3 High Performance Electronic Products
Includes equipment for commercial and military products where continued performance or performance-on-demand is critical. Equipment downtime cannot be tolerated, end-item use may be uncommonly harsh, and the equipment must function when required, such as life support systems and critical weapons systems.

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**ANSI/IPC/J-STD-001 Rev A, paragraph 8.3.2 and sub-paragraphs.

DN 11 MIL-P-81728 is cancelled and replaced by SAE-AMS-P-81728
DN 12 MIL-S-45743 is cancelled and replaced by MIL-STD-2000
MIL-STD-2000 is cancelled and replaced by the Soldering Statement above
DN 13 MIL-T-10727 is cancelled and replaced by TYPE I-ASTM B 545, TYPE II-ASTM B 339
DN 14 MIL-I-43435 is cancelled and replaced by CID A-A-56032
DN 15 QQ-A-200/90 is cancelled and replaced by SAE AMs QQ-A-200, ASTM B-221, ASTM B308
DN 16 QQ-B-613 is cancelled and replaced by ASTM B36
DN 19 QQ-S-571 is cancelled and replaced by J-STD--006

Mil-P-48494 shall be reinstated
MS20470 superseded by NASM20470
MIL-G-45204 use appropriate portion of AMS 2422 or ASTM B488
MIL-H-6088 refer to SAE AMS-H-6088

MIL-P-47298 See page 2 of 3 of this form,document 11745366

GFM/GFE: DRAWING NO.

Attachment 001

Packaging Requirements Sheet
(Special Packaging Instructions)

PRON: P40HLEX4 DATE: 5 JUL 2000

NSN: 4931-01-055-1016

MILSTRIP: SUE LERCH/28202

- A. Military preservation, packing, and marking for the item identified above shall be accomplished in accordance with the specific requirements identified below, all the applicable requirements of MIL-STD-2073-1, Revision C, Date 1 OCT 96, and the Special Packaging Instruction contained in the TDP.

PRESERVATION: MILITARY
LEVEL OF PACKING: B
QUANTITY PER UNIT PACKAGE: 001
SPI NUMBER P11745900, REV. C, DATED 8 SEP 96

- B. Unitization: Shipments of identical items going to the same destination shall be palletized if they have a total cubic displacement of 50 cubic feet or more unless skids or other forklift handling features are included on the containers. Pallet loads must be stable, and to the greatest extent possible, provide a level top for ease of stacking. A palletized load shall not exceed 4,000 pounds and should not exceed 52 inches in length or width, or 54 inches in height. The load shall be contained in a manner that will permit safe handling during shipment and storage.
- C. Marking: In addition to any special markings called out on the SPI, all unit packages, intermediate packs, exterior shipping containers, and, as applicable, unitized loads shall be marked in accordance with MIL-STD-129 Revision N, Date 15 May 97, including bar coding iaw ANSI/AIM-BC1, Uniform Symbology Specification Code 39.
- D. This SPI has been validated and the method of preservation/packing has proven successful in meeting the needs of the military distribution system, including indeterminate storage and shipment throughout the world. Special instructions and/or tailoring of the SPI is detailed in the Supplemental Instructions in Paragraph E below. A prototype package is required to validate the sizes and fit requirements of the SPI. Minor dimensional and size changes are acceptable provided contractor provides the PCO and ACO with notification 60 days prior to delivery. Any design changes or changes in the method of preservation that provide a cost savings without degrading the method of preservation or packing or affecting the serviceability of the item will be considered and responded to within 10 days of submission to PCO and ACO. Government reserves the right to require testing to validate alternate industrial preservation methods, materials, alternate blocking, bracing, cushioning, and packing.
- E. SUPPLEMENTAL INSTRUCTIONS:

Attachment 002

DOCUMENT SUMMARY LIST

Item: TEST SET, LASER
NSN: 4931-01-055-1016
Control Number/PRON: P40HLEX4

Identifies all first tier documents (cited in SOW) (applicable DIDs). Also included are all referenced documents (2nd, (includes DID block 10 references), 3rd and lower tier) which have been tailored.

DOCUMENT CATEGORY:

CATEGORY O - Unless otherwise specified in the solicitation, contract, or contract modifications, all documents are for guidance and information only.

CATEGORY 1 - The requirements contained in the directly cited document are contractually applicable to the extent specified. All referenced documents are for guidance and information only.

CATEGORY 2 - The requirements contained in the directly cited document and the reference documents identified in the directly cited document are contractually applicable to the extent specified. All subsequently referenced documents are for guidance and information only.

CATEGORY 3 - Unless otherwise specified in the solicitation, contract or contract modification, all requirements contained in the directly cited document and all reference and subsequently referenced documents are contractually applicable to the extent specified.

Document Number (Contract Reference) Applicable Tailoring	Document Title	Document Date/ Document Category
1a. MIL-STD-2549 Table DIP 4-1	Configuration Management Data Interface	30 Jun 97 Cat 2
1b. DI-CMAN-81554 (seq A001)	Configuration Change Control Data Information Packet	30 Jun 97 Cat 2
2. ANSI/ISO/ASQC Q9002 or equivalent	Model for Quality Assurance in Production, Installation & Servicing	18 Jul 94

CONTRACT DATA REQUIREMENTS LIST

DD FORM 1423 (MECHANIZED)

CATEGORY: MISC SYSTEM/ITEM: TEST SET, LASER
TO CONTRACT/PR: P40HLEX4

1. SEQUENCE NUMBER		14. DISTRIBUTION	DRFT/REG/REPRO COPIES
2. TITLE OF DATA ITEM			
3. SUBTITLE			
4. DATA ITEM NUMBER			
5. CONTRACT REFERENCE			
6. TECHNICAL OFFICE	7. DD 250	8. APP CODE	9. DIST STATEMENT REQUIRED
10. FREQUENCY	11. AS OF DATE		15. TOTAL:
12. DATE OF 1ST SUBMISSION		13. DATE OF SUBSEQUENT SUBMISSION	
16. REMARKS			

1. A001		14. AMSTA-AR-CCL-F (ECALS)	/ /
2. CONFIGURATION CHANGE CONTROL*			/ /
3. ENGINEERING ACTIONS			
4. DI-CMAN-81554			
5. SECTION C			
6. AMSTA-AR-ES	7. NO	8. -	9. **
10. ASREQ	11. ---		15. TOTAL 0/ 0/ 0
12. ASREQ		13. ASREQ	

16. REMARKS
 PREPARE ENGINEERING ACTIONS IAW DI-CMAN-81544 AND SUBMIT ELECTRONICALLY VIA ECALS WORLDWIDE WEB PAGE [HTTP://EDMD4.PICA.ARMY.MIL/](http://EDMD4.PICA.ARMY.MIL/). *DATA INFORMATION PACKET **DISTRIBUTION STATEMENT WILL BE ASSIGNED AND IMPLEMENTED BY THE DOD CONFIGURATION MANAGER. THE POC FOR ECALS IS LEE SADAUSKAS, AMSTA-AR-QAW, (973) 724-6626 LEES@PICA.ARMY.MIL.

APPROVED BY: STEPHEN J HANSEN, SDMO, AMSTA-AR-QAD DATE: 07/05/2000

Exhibit A