

CONTRACT C WORKSHEET

ECP Required yes

PRON P39ANYX3 AMC 1 AMSC G ATC ARB5R

TPDL SM-D-805797 TDPL DATE 01/29/99

NSN 5945010636260 NOMENCLATURE RELAY ASSEMBLY

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

DOCUMENT	DELETE	REPLACE WITH
SPI SM-D-805797	INITIAL RELEASE	REV A (HARD COPY) 1 SHEET
MIL-S-7720	Future acquisition should refer to	SAE-AMS-S-7720
MIL-STD-2000	Best commerical practice	
NIL-STD-454	Best commerical practice	
QQ-P-35	Reinstated	
MS122156	is superseded by NASM122156	
MS9006	Use NASM9006 for future design.	

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:

(Continued On Page 2)

GFM/GFE: DRAWING NO.

0

MYLARS REQUIRED (Check one): Y N

CERTIFICATION SIGNATURE(S)/CONCURRENCE

ENG

<u>DON GARDNER</u>	<u>DON GARDNER</u>	<u>2/24/99</u>	<u>AMSTA-AR-FSF</u>	<u>880-6838 A</u>
<i>Type/Print Name</i>	<i>Signature</i>	<i>Date</i>	<i>Office Symbol</i>	<i>DSN Telephone</i>

LCSE

<u>EUNICE MACKENN</u>	<u>EUNICE MACKENN</u>	<u>2/3/99</u>	<u>AMSTA-AR-FSF</u>	<u>880-3587</u>
<i>Type/Print Name</i>	<i>Signature</i>	<i>Date</i>	<i>Office Symbol</i>	<i>DSN Telephone</i>

PKG

<u>JAMES F. ZOLL</u>	<u>JAMES F. ZOLL</u>	<u>2/3/99</u>	<u>AMSTA-AR-EPK</u>	<u>880-2865</u>
<i>Type/Print Name</i>	<i>Signature</i>	<i>Date</i>	<i>Office Symbol</i>	<i>DSN Telephone</i>

PAD

<u>JOHN DUDAS</u>	<u>JOHN DUDAS</u>	<u>3/3/99</u>	<u>AMSTA-AR-QAD</u>	<u>880-6541</u>
<i>Type/Print Name</i>	<i>Signature</i>	<i>Date</i>	<i>Office Symbol</i>	<i>DSN Telephone</i>

Attachment 01

CONTRACT C WORKSHEET (Continued)

ENGINEERING EXCEPTIONS (CONTINUED)

<u>Flux Type in use</u>	<u>Cleanliness Designator**</u>
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.

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

SPECIAL PACKAGING INSTRUCTIONForm Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 30 days per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, Va 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, D.C. 20503. Please do not return your form to either of these addresses.

1. PART OR DRAWING NO. NOMENCLATURE SM-D-805797 RELAY ASSEMBLY		2. CODE INDENT 80063	3. SPI NO. (AM)PSM-D-805797
4. NATIONAL STOCK NUMBER 5945010636260		5. DATE OF DRAWING/SPI 01/07/99	6. REVISION / ERR NO. A/L8K2019
7. QUP 1/EA	8. IQQ	9. UNIT PACK WT. (LB) (0.0) 1.20	10. UNIT PACK CU (CU. FT) (0.000) 0.181
			11. UNIT PACK SIZE (INCHES) (00.0) 8.5 X 8.0 X 4.6

		18 STEPS	19 REQD	20 DESCRIPTION
		1		CUSHIONING,PPP-C-1797,TY-II SEE NOTE(A) BAG,MIL-B-117,TY-I,CL-E CONTAINER,ASTM D5118,ST-RSC,GR-200 CLOSURE,ASTM D1974,METHOD (B)
		2		
		3		
		4		
12. MILITARY PRESERVATION MIL-STD-2073-1,METHOD 41				
13. CLEANING *				
14. DRYING *				
15. PACKING				
a. LEVEL A MIL-STD-2073-1				
b. LEVEL B MIL-STD-2073-1				
16. MARKING MIL-STD-129				

17. NOTES / DRAWING

***UNLESS OTHERWISE SPECIFIED, CLEANING AND DRYING SHALL BE IN ACCORDANCE WITH PARAGRAPH 5.2.1 OF MIL-STD-2073-1. WEIGHTS AND SIZES ARE ESTIMATED AND MAY VARY SLIGHTLY. INTERMEDIATE PACKAGING AND PACKING WILL BE IN ACCORDANCE WITH SPECIFICATION MIL-STD-2073-1 OR AS OTHERWISE SPECIFIED HEREON.**

(A) UTILIZE SUFFICIENT MATERIAL (1/4 INCH THICK) TO ENSURE A TIGHT PACK.

WSC: JH ITEM SIZE: 7.6 X 7.13 X 4.2

ITEM WEIGHT: 1.00

APPROVED: JAMES F. ZOLL

STATEMENT A, UNLIMITED

DOCUMENT SUMMARY LIST

Item: CIRCUIT CARD
NSN: 5998-01-021-7311
Control Number/PRON: P39APDX3

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 0 - 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-973	Configuration Management	17 Apr 92 Cat 2

See section C clause(s) titled: Value Engineering Change Proposals, Engineering Change Proposals, Deviation and/or Ozone-Depleting Substances.

In the application of MIL-STD-973 Paragraphs 5.4.3, 5.4.4 and 5.4.8 apply, and are tailored as follows:

- (1) Page 53, para 5.4.3.4., Delete "a contractor designed form, or a letter" in the first sentence.
- (2) Page 53, para 5.4.3.3.2a., Line 5, add "or size" after "weight".
- (3) Page 53, Delete para 5.4.3.5., and replace by, "Unless otherwise specified in the contract, requests for critical deviations should be approved or disapproved within 30 calendar days of receipt by the Government and for all other deviations within 60 calendar days of receipt by the Government."
- (4) Para 5.4.3.5.1. Minor deviations.
Line 3. Delete "...by the activity...Class II change" and insert "by the Contracting Officer."
- (5) Page 55, para 5.4.4.3.2a., Line 7, add "or size" after "weight".
- (6) Page 56. Delete paragraph 5.4.4.5 and replace by "Unless otherwise specified in the contract requests for critical waivers should be approved or disapproved within 30 calendar days of receipt by the Government and for all other RFWs within 60 calendar days of receipt by the Government."

(7) Para 5.4.4.5.1. Minor waivers.
 Lines 4 and 5. Delete "...Contract Administration Office (CAO)." Insert "...Configuration Manager and a Government Contracting Officer."

(8) Page 61, para 5.4.8.3.4., in line 6 add "or size" after "weight".

(9) Page 61, Add new para 5.4.8.3.4.1., "An RFD shall be supported by test data and analysis, where appropriate, and provided to support the decision regarding acceptance of the nonconformance."

(10) Page 61, Delete para 5.4.8.3.5. and replace by, "Unless otherwise specified in the contract, deviations are approved and authorized only by the Contracting Officer. Critical deviations should be processed within 30 calendar days of receipt by the Government and all other RFDs processed within 60 calendar days of receipt by the Government."

(11) Page 62, para 5.4.8.4, Delete lines 7 thru 10 and replace with "standard. All RFWs shall be submitted as specified in the contract for approval or disapproval and acceptance or rejection by the authorized Contracting Officer."

(12) Page 62, para 5.4.8.4.4., on line 6 add "or size" after "weight".

(13) Page 62, Add new para 5.4.8.4.4.1., "an RFW shall be supported by test data and analysis, where appropriate, and provided to support the decision regarding acceptance of the nonconformance."

1b. Interim Notice 3 (DO)	Configuration Management	13 Jan 95 Cat 2
1c. DI-CMAN-80639B (seq A001)	Engineering Change Proposal	13 Jan 95 Cat 2
1d. DI-CMAN-80640B (seq A002)	Request for Deviation	13 Jan 95 Cat 2
1e. DI-CMAN-80641B (seq A003)	Request for Waiver	13 Jan 95 Cat 2
1f. DI-CMAN-80642B (seq A004)	Notice of Revision	13 Jan 95 Cat 2
2. ANSI/ISO/ASQC Q9003 or equivalent	Quality Systems-Model for Quality Assurance in Final Inspection and Test	18 Jul 94
3a. NCSL Z540-1 (ES7010)	General Requirements for Calibration Laboratories and Measuring and Test Equipment	30 Aug 94
	OR	
ISO 10012-1 (ES7010)	Quality Assurance Requirements for Measuring Equipment, Part 1: Metrological Confirmation System	1992
3b. DI-QCIC-81006 (DD Form 1423)	Special Inspection Equipment Descriptive Documentation	11 Sep 89 Cat 1

LIST OF ADDRESSES

Commander
U.S. Army Industrial Operations Command
ATTN: AMSIO-_____ (see block 14 of DD form 1423 for symbols that apply)
Rock Island, IL 61299-6000

Director
Armament and Chemical Acquisition, and Logistics Activity
ATTN: AMSTA-AC_____ (see block of DD form 1423 for symbols that apply)
Rock Island, IL 61299-8630

Director
U.S. Army, Armament, Research, Development & Engineering Center
ATTN: AMSTA-AR_____ *(R) (see block of DD form 1423 for symbols that apply)
Rock Island, IL 61299-7300

Commander
U.S. Army, Armament Research, Development & Engineering Center
ATTN: AMSTA-AR-_____ *(D) (See block 14 of DD Form 1423 for symbols that apply)
Picatinny Arsenal, NJ 07806-5000

*When letter in parentheses at end of office symbol is a "R", use Rock Island address; when it is a "D", use Picatinny Arsenal address.

E-MAIL ADDRESSES:

AMSTA-AR-QAA(D)	aie-qa@pica.army.mil
AMSTA-AR-QAC(D)	aie-qac@pica.army.mil
AMSTA-AR-QAT(D)	aie-qat@pica.army.mil
AMSTA-AR-QA__(R)	amsta-ar-qa-cdr@ria-emh2.army.mil

ADDRESS CODE DISTRIBUTION SHEET
FOR ECP/RFD/RFW/VECP

1. Concurrent distribution of Value Engineering Change Proposals (VECPs), Engineering Change Proposals (ECPs), Request for Deviations (RFDs) shall be submitted by the Contractors as follows:

2. The contractor shall submit copies as required and as identified below to: Director, U.S. Army Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-QAD (ECPs), Rock Island, IL 61299-7300.

- a. VECPs - original plus 3 copies
original (Tools & Equipment)
original plus 2 copies (Navy or Air Force)
- b. ECPs - original plus 2 copies
original (Tools & Equipment)
original plus 2 copies (Navy or Air Force)
- c. RFDs/RFWs- original plus 2 copies
original plus 2 copies (Navy or Air Force)

3. Provide one copy designated "Advance Copy" to one of the following design agencies if the agency is cited in the contract:

a. Chemical Command: Commander, Chemical Biological Defense Agency, ATTN: SCBRD-ENE-D, Aberdeen Proving Ground, MD 21010-5423.

b. U.S. Navy: Commander, Naval Surface Warfare Center, Crane Division, ATTN: Code 40, Crane, IN 47522-5000, or Commander, Naval Air Warfare Center, Weapons Division, 521 9th St., ATTN: Code 332200E, Point Mugu, CA 83042-5001.

c. U.S. Air Force: Commander, U.S. Army Industrial Operations Command, ATTN: AMSIO-ASI-SA (Mr. Flood ASD/YH), Eglin Air Force Base, FL 32542-5000, or Commander, Ogden Air Logistics Center, ATTN: OO-ALC/LIWGE, 6034 Dogwood Ave., Hill Air Force Base, UT 84056-5816.

4. Provide one copy designated "Advance Copy" to:

a. Contracting Officer: Director, Armament and Chemical Acquisition, and Logistics Activity, Rock Island, IL 61299-8630 (ACALA items) or Commander, Industrial Operations Command, Rock Island, IL 61299-6000 (IOC items).

b. Administrative Contracting Officer.

5. For VECPs only, provide one copy designated "Advance Copy" to the Value Engineering Division: Commander, U.S. Army Industrial Operations Command, ATTN: AMSIO-RMV, Rock Island, IL 61299-6000.

6. When ECPs, RFWs, RFDs are determined to be Urgent, Critical and/or Schedule impacting, an action copy shall be provided to AMSTA-AR-QAD via data facsimile (FAX) to 309-782-6450. This transmission is to be immediately followed with the usual hard copy mailing.

CONTRACT DATA REQUIREMENTS LIST

DD FORM 1423 (MECHANIZED)

CATEGORY: MISC SYSTEM/ITEM: CIRCUIT CARD
TO CONTRACT/PR: P39APDX3

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

1. A001		14. SEE ADDRESS CODE	/ /	
2. ENGINEERING CHANGE PROPOSAL (ECP)		DISTRIBUTION	/ /	
3.		ATTACHED	/ /	
4. DI-CMAN-80639B				
5. MIL-STD-973				
6. AMSTA-AR-QAD	7. LT	8. -	9. *	
10. ASREQ	11. ---		15. TOTAL	0/ 0/ 0
12. ASREQ		13.		
16. REMARKS				
ECP SHORT FORM SHALL BE USED FOR THE SUBMISSION AND PROCESSING OF ALL CLASS II ENGINEERING ACTIONS. *DISTRIBUTION STATEMENT WILL BE ASSIGNED AND IMPLEMENTED BY THE DOD CONFIGURATION MANAGER.				

1. A002		14. SEE ADDRESS CODE	/ /	
2. REQUEST FOR DEVIATION (RFD)		DISTRIBUTION	/ /	
3.		ATTACHED	/ /	
4. DI-CMAN-80640B				
5. MIL-STD-973				
6. AMSTA-AR-QAD	7. LT	8. -	9. *	
10. ASREQ	11. ---		15. TOTAL	0/ 0/ 0
12. ASREQ		13.		
16. REMARKS				
*DISTRIBUTION STATEMENT WILL BE ASSIGNED AND IMPLEMENTED BY THE DOD CONFIGURATION MANAGER.				

DOCUMENTATION WAS APPROVED ON PRIOR CONTRACT AND NO CHANGES WERE MADE, SUBMIT ONLY EVIDENCE OF PRIOR APPROVALS.

email: (1)aie-qat@pica.army.mil (2)amsta-ar-qa-cdrl@ria-emh2.army.mil

Text:Microsoft Office 97

Drawings:AutoCAD-Release 14(Expressed mailed hard copies will be accepted)

Files may be compressed using ZIP program.

WARNING: Large packages may cause delays in delivery using mail internet.

Email subject line must contain end item nomenclature.



APPROVED BY: STEPHEN J HANSEN, SDMO, AMSTA-AR-QAD

DATE: 03/15/1999