

## DOCUMENT SUMMARY LIST

Item: CONTROL ASSEMBLY  
 NSN: 1090-01-022-7517  
 Control Number/PRON: P20HLUX2

Identifies all first tier documents (cited in SOW) (applicable DIDs). Also included are all referenced documents (2nd, (includes DID block 10 references), 3<sup>rd</sup> 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-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 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 OR	30 Aug 94
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

CONTRACT C WORKSHEET

PRON P20HLUX2                      AMC 1                      AMSC G                      ATC AWC5R

TDP 11674136                                              TDPL DATE 01/04/00

NSN 1090010227517                      NOMENCLATURE CONTROL ASSEMBLY

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

DOCUMENT	DELETE	REPLACE WITH
SPI-11674136	MIL-P-116	MIL-STD-2073-1C
11674136	MS18065-36	NASM51966-116
11674136	MS18065-19	NASM51966-113
11674136	MS18065-17	NASM51965-114
11654161	para 3.1	-
7973760,7973767,7973772	MIL-B-7883	AWS C3.4,3.4, or 3.6
10887037,10893999	MIL-C-11866	ASTM B26
10894000,10894002	MIL-C-11866	ASTM B26
10904997,11674164	MIL-C-11866	ASTM B26
10947370	MIL-F-14256	J-STD-004,J-STD-005,J-STD-006
11654426	MIL-STD-285	IEEE-STD-299
7973767	QQ-B-650	AWS A5.01-87,or AWS A5.8-92
10947370,11654161,7716521	QQ-S-571	ANSI J-STD-004,J-STD-005,J-STD-006
10887037,10893999,10894000	QQ-A-591	ASTM B85
10894002,10904997,11674164	QQ-A-591	ASTM B85
7723308,8701329	QQ-A-591	ASTM B85
7723308, 8701329	QQ-A-200/8	AMS-QQ-A200, ATSM B221, ASTM B308
7723308	QQ-A-200/3	AMS-QQ-A-200, ASTM B221, ASTM B308
7723308, 8701329	QQ-A-225/5&6	AMS-QQ-A-225, ASTM B211
MIL-STD-2000	DELETE MIL-STD-2000	AND REPLACE WITH

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.

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

DOCUMENT	DELETE	REPLACE WITH
SQAP 10887036	MIL-STD-105 & AQLS	MIL-STD-1916 for MAJOR & VL II for MINOR characteristics
SQAP 10887037	"	"
QAP 10893994	"	"
QAP 10893999	"	"
SQAP 10894002	"	"
SQAP 11636920	"	"
QAR 11669648	"	"
QAP 11669649	"	"
QAR 11669650	"	"
QAR 11674136	"	"
SQAP 11674137	"	"
SQAP 11674138	"	"
QAP 11674164	"	"
SQAP 7722353	"	"
QAP 7973634	"	"
SQAP 7973760	"	"
SQAP 7973764	"	"
SQAP 7973767	"	"
SQAP 7973768	"	"
SQAP 7973773	"	"
QAP 7973779	"	"
SQAP 7973788	"	"
SQAP 7974271	"	"
SQAP 8335336	"	"
SQAP 8335337	"	"
SQAP 8335338	"	"
	"	"

For SQAP 10887036 Pg. 1 change MAJOR 1 as follows:

FROM: 1 .3130 +.005 DIAMETER (2) PLACES	DIAL GORE
TO: 1 ,3130 +.0005 DIAMETER (2) PLACES	SMTE

For SQAP 10887037 Pg. 1 change MAJORS 6, 7 & 8 as follows:

FROM: 6 5/16=18 NC-3B THREADS (3) HOLES	GO AND NOT GO THREAD PLUG
TO: 6 5/16-18 NC-3B THREADS (3) HOLES	
PITCH DIAMETER	SMTE
MINOR DIAMETER	SMTE

FROM: 7 NO. 10-24 NC-3B THREADS (6) HOLES	GO & NOT GO THREAD PLUG
TO: 7 NO. 10-24 NC-3B THREADS (6) HOLES	
PITCH DIAMETER	SMTE
MINOR DIAMETER	SMTE

FROM: 8 NO. 8-32 UNC-3B THREADS (3) HOLES	GO & NOT GO THREAD PLUG
TO: 8 NO. 8-32 UNC-2B THREADS (3) HOLES	

PITCH DIAMETER SMTE  
MINOR DIAMETER SMTE

For QAP 10893994 Pg. 1, for MAJOR 102 change as follows:

FROM: 102 NO.10(.1900-32 UNF-3A MAJOR DIA. THREAD 1.0 SMTE  
102 NO.10(.1900-32 UNF-3A  
PITCH DIAMETER SMTE  
MAJOR DIAMETER SMTE

Pg. 2 under PART III add "The certification provisions of MIL-W-63150 for Certification of Conformance (COC) shall apply for the following:"

For QAP 10893999 Pg. 2 under PART III add "The certification provisions of MIL-W-63150 for Certification of Conformance (COC) shall apply for the following:

For SQAP 10894002 Pg. 1 for MAJOR 4 change as follows:

FROM: 4 10-24 NC-3B THREADS (3) HOLES GO & NOT GO THREAD  
PLUG  
TO: 4 10-24 NC-3B THREADS (3) HOLES  
PITCH DIAMETER SMTE  
MINOR DIAMETER SMTE

Pg. 1 for MINOR 105 change as follows:

FROM: 105 NO. 6-32 NC-2B THREAD GO & NOT GO THREAD  
PLUG  
TO: 105 NO. 6-32 NC-2B THREAD  
PITCH DIAMETER SMTE  
MINOR DIAMETER SMTE

For QAR 11669848 Pg.2 under PART III delete "(STA FORM 4452 PARA 3.5 APPLIES) and add "The certification provisions of MIL-W-63150 for Certification of Conformance (COC) and Certified Test Reports (CTR) shall apply for the followins:

For QAR 11669650 Pgs. 2 & 3 unfer PART III delete (STA FORM 4452 PARA 3.5 APPLIES) and add "The certification provisions of MIL-W-63150 for Certification of Conformance (COC) and Certified Test Reports (CTR) shall apply for the following:".

For SQAP 11674138 Pg. 2 under PART III for Defect 301 Soldering see Solder Statement in Contract C Worksheet.

For QAP 11674164 Pg. 2 for MINORS 201, 202, & 210 change as follows:

FROM: 201 NO. 4-40 UNC-2B THREADS 11674164 GO AND NOT GO THD  
(1 HOLE) PLUGS  
TO: 201 NO. 4-40 UNC-2B THREADS "  
(1 HOLE)  
PITCH DIAMETER SMTE  
MINOR DIAMETER SMTE

FROM: 202 NO. 10-24 UNC-2B THDS.	"	GO AND NOT GO THD
TO: 202 NO. 10-24 UNC-2B THES.	"	PLUGS
FROM: 210 NO. 10-32 NF-2B THD	"	GO AND NOT GO THD
	"	PLLUGS
TO: 210 NO. 10-32 NF-2B		
PITCH DIAMETER		SMTE
MINOR DIAMETER		SMTE

For SQAP 7973764 Pg. 1 for Defect 101 change as follows:

FROM; 101 NO. 10-24 NC-2B THDS	GO & NOT GO THREAD
	PLUG GAGE
TO: 101 NO. 10-24 NC-2B THDS	
PITCH DIAMETER	SMTE
MINOR DIAMETER	SMTE

For SQAP 7973773 Pg. 1 for MAJOR 1 change as follows:

FROM: 1 8-32 NC-3B THREADS (4) HOLES	GO & NOT GO THD
	PLUG GAGE
TO: 1 8-32 NC-3B THREADS (4) HOLES	
PITCH DIAMETER	SMTE
MINOR DIAMETER	SMTE

For SQAP 7974271 Pg. 1 for MAJOR 2 change as follows:

FROM: 2 1/4-28 UNF-3A THREADS	GO & NOT GO
	THREAD RING GAGE
TO: 2 1/4-28 UNF-3A THREADS	
PITCH DIAMETER	SMTE
MAJOR DIAMETER	SMTE

DOCUMENT	DELETE
7973788	MIL-STD-10727

DOCUMENT	DELETE	REPLACE WITH
QAP 10893999	QQ-S-591	ASTM B85
	MIL-C-11866	ASTM B26
QAP 11674164	QQ-S-591	ASTM B85
	MIL-C-11866	ASTM B26
11654161	A-A-52416	Disregard, to be deleted form this TDPL.
7973788	MIL-STD-10727	Disregard does not apply to this TDPL.

The specific change action and effective date of specifications and standard which are "Not Furnished" within this TDPL shall be as specified in the latest DOD Index of Specification and Standard (DODISS), or by the commercial publisher, in effect as of the date of this TDPL

These changes are added to the Section C.

On Drawing 10894000:

In Section D-D:

Change radius specified:

From: "1.12 R (REF)"

To: "3.68 R (REF)"

In view above material note:

Change radius R:

From: "R"

To: ".092 R (REF)"

In Section B-B:

Change radius note:

From: "1.12 RAD CONSTANT ALONG LINE "G""

To: "1.12 RAD TYPICAL ALONG LINE "G" FROM SECTION

B-B TO SECTION C-C"

On Drawing 11674164:

In Section F-F:

Change radius specified:

From: "1.12 R (REF)"

To: "3.68 R (REF)"

In Section D-D:

Change radius note:

From: "1.12 RAD- CONSTANT ALONG LINE J"

To: "1.12 RAD TYPICAL ALONG LINE J FROM SECTION C-

C TO SECTION E-E"

CONTRACT DATA REQUIREMENTS LIST

DD FORM 1423 (MECHANIZED)

CATEGORY: MISC SYSTEM/ITEM: CONTROL ASSEMBLY  
TO CONTRACT/PR: P20HLUX2

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			

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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 <a href="http://EDMD4.PICA.ARMY.MIL/">HTTP://EDMD4.PICA.ARMY.MIL/</a> . *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.		

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1. A002		14. AMSTA-AR-QAC (D)	(1) / 1/ /
2. SPECIAL INSPECTION EQUIPMENT DESCRIPTIVE DOC.			/ /
3. AIE DESIGN DOCUMENTATION		QAR	/ /
4. DI-QCIC-81006*		CO (LT ONLY)	/ /
5. SECTION E		AMSTA-AR-QAW-C (LT ONLY) (R)	(2) / / /
6. AMSTA-AR-QA	7. XX	8. A	9. N/A
10. ONE/R	11. N/A		15. TOTAL 0/ 1/ 0
12. **		13. WHEN REV.	

16. REMARKS

\* BLOCK 4: DO NOT ADDRESS PARAGRAPHS 10.1, 10.2, 10.4.1(f) AND 10.4.2. IGNORE ALL REFERENCE TO THE WORD "SPECIAL" IN DID. SUBMIT FOR ALL CRITICAL, SPECIAL AND MAJOR CHARACTERISTICS IN SPECIFICATION OR QAP. \*\* BLOCK 12: SUBMIT 30 DAYS PRIOR TO FA, OR PRODUCTION, IF FA IS WAIVED. THE GOVERNMENT WILL RESPOND WITHIN 30 DAYS OF RECEIPT OF ORIGINALS AND REVISIONS. REVISIONS ARE TO BE SUBMITTED WITHIN 10 DAYS OF RECEIPT OF GOVERNMENT RESPONSE. IF DOCUMENTATION WAS APPROVED ON PRIOR CONTRACT AND NO CHANGES WERE MADE, SUBMIT

ONLY EVIDENCE OF PRIOR APPROVALS.

email: (1)aie-qac@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.

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

DATE: 04/26/2000