

From: Ralston Crouch [rcrouch@pica.army.mil]
Sent: Wednesday, March 29, 2000 12:05 PM
To: Crouch, Ralston
Subject: P30HRAX3 - sectionc

CONTRACT C WORKSHEET

PRON P30HRAX3 AMC 1 AMSC G ATC AWWME
TDP 9376745 TDPL DATE 03/09/00
NSN 5999013157924 NOMENCLATURE CIRCUIT CARD ASSEMBLY

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

ADD SPEC SC9376745 TO TDP AS PER ECP H7Q2004 SHEET 3.

ADD MIL-STD-810 CALLED OUT ON SC9376745 4.6.5.1.2

ADD (SPI), P12279639 CALLED OUT ON SC9376745 5.2.1

LEVEL (A) PACKAGING SHALL BE IN ACCORDANCE WITH METHOD (41) OF MIL-STD-2073-1C UNLESS OTHERWISE SPECIFIED IN THE SOLICITATION. DETAILED SPECIAL PACKAGING INSTRUCTION APPLIES.

DOCUMENT	DELETE	REPLACE WITH
12913523	QQ-P-35	ASTM A967
9676741	QQ-S-571	J-STD-006, Sn63Pb37A
12913523	MIL-G-45204	AMS2422 and/or ASTM B488
9376745	MS20426 A2-3	MS20426 A2-3 per NASM 20426
9376745	MIL-P-28809	IPC-A-610 and IPC-D-275, Class 3
12279345	QQ-A-250/8	ASTM B209
12279386	QQ-A-250/11	ASTM B209
12548993	Silicon General Inc. 11651 Monarch St. Garden Grove , Ca. 92641-1816 Cage Code: 34333 Part# SG105T/883B	No replacement.
12548993	Part # UA 105HMQB	No replacement
12913524	QQ-A-200/8	ASTM-B308
12548990	SILICON GENERAL INC. 11651 MONARCH ST. GARDEN GROVE, CA 92641-1816 CAGE CODE: 34333 PART# SG104T/883	No replacement
12548990	NATIONAL SEMICONDUCTOR	No replacement

2900 SEMICONDUCTOR DRIVE
SANTA CLARA, CA. 95051-0606
CAGE CODE: 27014
PART # LM104H/883

9376745 MIL-I-43553 CID A-A-56032

CONTRACT C WORKSHEET

PRON P30HRAX3 AMC 1 AMSC G ATC AWWME

TDP 9376745 TDPL DATE 03/09/00

NSN 5999013157924 NOMENCLATURE CIRCUIT CARD ASSEMBLY

9376745	MIL-T-43435-1G5	A-A-52080-G5
9376745	MIL-C-39003/6	MIL-PRF-39003/6
9376745	MIL-C-39014/1	MIL-PRF-39014/1
9376745	MIL-C-39014/2	MIL-PRF-39014/2
9376745	MIL-C-39014/5	MIL-PRF-39014/5
9376745	MIL-S-19500/115	MIL-PRF-19500/115
9376745	MIL-S-19500/116	MIL-PRF-19500/116
9376745	MIL-S-19500/127	MIL-PRF-19500/127
9376745	MIL-S-19500/255	MIL-PRF-19500/255
9376745	MIL-S-19500/291	MIL-PRF-19500/291
9376745	MIL-S-19500/427	MIL-PRF-19500/427
9376745	MIL-R-39017/1	MIL-PRF-39017/1
9376745	MIL-R-39017/2	MIL-PRF-39017/2
9376745	MIL-R-55182/3	MIL-PRF-55182/3
9376745	MIL-R-39017/5	MIL-PRF-39017/5
9376745	MIL-R-39007/11	MIL-PRF-39007/11
9376745	MIL-R-39008/1	MIL-PRF-39017/1 (NOTE: NEW SPEC)
9376745	MIL-R-55182/3	MIL-PRF-55182/3
9376745	MIL-R-55182/1	MIL-PRF-55182/1

9376745	MIL-C-39003/6	MIL-PRF-39003/6
9376745	MIL-R-39005/5	MIL-PRF-39005/5
9376741	MIL-P-13949, GFN0620C1/C1B2B	IPC-4101,L210620C1/C1 B B Nominal thickness is in inches which includes copper foil.

12279386 CHANGE: NOTE 1.2:
TO: " PLASTIC SHEET LAMINATED GLASS CLOTH TYPE
TYPE(L21____00/00 A A)PER IPC-4101 MAY BE

CONTRACT C WORKSHEET

PRON P30HRAX3 AMC 1 AMSC G ATC AWMVE

TDP 9376745 TDPL DATE 03/09/00

NSN 5999013157924 NOMENCLATURE CIRCUIT CARD ASSEMBLY

MADE UP OF FULLY CURED AND B STAGE SEMI CURED
UNCLAD. LAMINATED TO THE HEAT SINK OR COMPOSED
ENTIRELY OF B STAGE PREPREG TYPE P21, LAMINATED
TO THE HEAT SINK. "

NOTE: This procurement is contingent upon whether microcircuit
12548990 is available from Distributors or DESC. Only microcircuits with
generic part numbers LM104H/883 or SG104T/883 are approved for this
application. They are approved by White Sands Missile Range. Any
microcircuit procured must meet drawing 12548990 requirements. DESC
might have a stock of these microcircuits; it must have a generic part#
of LM104H/883 or SG104T/883.

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.

GFM/GFE: DRAWING NO.

MYLARS REQUIRED (Check one): X Y or N

CERTIFICATION SIGNATURE(s)/CONCURRENCE

Eng				
Act	BARRY KULLACK	BARRY KULLACK	3/3/00	AMSTA-AR-FSF 880-6845
	Type/Print Name	Signature/Concurrence	Date	Office Sym DSN Tel
LCSE				
Act	VERA IGOLNIKOV	VERA IGOLNIKOV	2/17/00	AMSTA-AR-LCS 880-3536
	Type/Print Name	Signature/Concurrence	Date	Office Sym DSN Tel
Pkg				
Act	JAMES F. ZOLL	JAMES F. ZOLL	2/15/00	AMSTA-AR-EPK 880-2865
	Type/Print Name	Signature/Concurrence	Date	Office Sym DSN Tel

ATTACHMENT 1

The following is to be added to section C of the power Conditioner Circuit Card Assembly, P/N 9376745 (NSN: 599-01-315-7924):

DRAWING 12548985

CHANGE : NOTE 14:

FROM:

" 14. SCREENING: ALL DEVICES PROCURED TO THIS DRAWING SHALL HAVE BEEN SCREENED TO THE REQUIREMENTS OF MIL-STD-883, METHOD 5004, CLASS B. SCREENING SHALL BE CONDUCTED PRIOR TO QUALITY CONFORMANCE INSPECTION TO THE FOLLOWING MINIMUM CRITERIA.

- A. BURN-IN TEST (METHOD 1015 OF MIL-STD-883, TEST CONDITION A TO F AS APPLICABLE).
- B. INTERIM AND FINAL ELECTRICAL TEST PARAMETERS SHALL BE AS SPECIFIED IN MIL-M-38510/10101BCB, TABLE 1 OF THIS DRAWING, AND THE ELECTRICAL TEST REQUIREMENTS OF TABLE 11, EXCEPT INTERIM ELECTRICAL PARAMETERS TEST PRIOR TO BURN-IN IS OPTIONAL AT THE DISCRETION OF THE MANUFACTURER.
- C. **PER CENT DEFECTIVE ALLOWABLE (PDA): THE PDA IS SPECIFIED AS 5 PER CENT BASED ON FAILURE FROM SUBGROUP 1, GROUP A, METHOD 5005 OF MIL-STD- 883, TEST AFTER COOLDOWN AS FINAL ELECTRICAL TEST IN ACCORDANCE WITH MIL-STD-883, METHOD 5004, AND WITH NO INTERVENING ELECTRICAL MEASUREMENTS. IF INTERIM ELECTRICAL PARAMETER TESTS ARE PERFORMED PRIOR TO BURN-IN, FAILURES RESULTING FROM PREBURN-IN SCREENING MAY BE EXCLUDED FROM THE PDA. IF INTERIM ELECTRICAL PARAMETER TESTS PRIOR TO BURN-IN ARE OMITTED, THEN ALL SCREENING FAILURES SHALL BE INCLUDED IN THE PDA. THE VERIFIED FAILURES OF GROUP A, SUBGROUP 1, AFTER BURN-IN DIVIDED BY THE TOTAL NUMBER OF DEVICES SUBMITTED FOR BURN-IN IN THAT LOT, SHALL BE USED TO DETERMINE THE PER CENT DEFECTIVE FOR THE LOT. LOTS MAY BE RESUBMITTED TO BURN-IN AS PER MIL-M-38510. "**

CHANGE : NOTE 14:

TO: " 14. SCREENING: ALL DEVICES PROCURED TO THIS DRAWING SHALL HAVE BEEN SCREENED TO THE REQUIREMENTS OF MIL-STD-883, METHOD 5004, CLASS B."

DRAWING 12548985

CHANGE : DELETE NOTE 15:

DELETE " 15. PERFORMANCE: TO DETERMINE CONFORMANCE TO ELECTRICAL PERFORMANCE CHARACTERISTICS, EACH LOT PRESENTED FOR ACCEPTANCE SHALL BE SAMPLED AND INSPECTED USING THE PDA SPECIFIED IN NOTE 14 C. INSPECTION SHALL CONSIST OF THE PARAMETERS/LIMITS OF MIL-M-38510/10101BCB AS MODIFIED BY TABLE 1 OF THIS DRAWING, AND THE FINAL ELECTRICAL TEST PARAMETERS OF TABLE 11. TESTS IN TABLE 1 NOTED 5/ MUST BE CERTIFIED BY THE VENDOR. "

CHANGE : Below Table 1, Delete note 3,

DELETE " 3/ TEST IS PART OF SUBGROUP 4, TABLE II "

CHANGE : In Table 1, Delete footnote 3 callout,

FROM: " COMMON MODE REJECTION RATIO 3/ "
TO: " COMMON MODE REJECTION RATIO "

CHANGE : In Table 1, Delete footnote 3 callout

FROM: " SUPPLY VOLTAGE REJECTION RATIO 3/ "
TO: " SUPPLY VOLTAGE REJECTION RATIO "

CHANGE : Below Table 1, revise note 4,

FROM: " 4/ SEE NOTE 18 "
TO: " 4/ ELECTRICAL PERFORMANCE SHALL BE CERTIFIED BY THE VENDOR. "

DRAWING 12548990

CHANGE : NOTE 13:

FROM: " 13. SCREENING: ALL DEVICES PROCURED TO THIS DRAWING SHALL HAVE BEEN SCREENED TO THE REQUIREMENTS OF MIL-STD-883, METHOD 5004, CLASS B. SCREENING SHALL BE CONDUCTED PRIOR TO QUALITY CONFORMANCE INSPECTION TO THE FOLLOWING MINIMUM CRITERIA

A. BURN-IN TEST (METHOD 1015 OF MIL-STD-883, TEST CONDITION A TO F AS APPLICABLE).

DRAWING 12548990 (CONTINUED FROM PREVIOUS PAGE)

B. INTERIM AND FINAL ELECTRICAL TEST PARAMETERS SHALL BE AS SPECIFIED IN MIL-M-38510/10101BCB, TABLE 1 OF THIS DRAWING, AND THE ELECTRICAL TEST REQUIREMENTS OF TABLE 11, EXCEPT INTERIM ELECTRICAL PARAMETERS TEST PRIOR TO BURN-IN IS OPTIONAL AT THE DISCRETION OF THE MANUFACTURER.

C. PER CENT DEFECTIVE ALLOWABLE (PDA): THE PDA IS SPECIFIED AS 5 PER CENT BASED ON FAIL FROM SUBGROUP 1, GROUP A, METHOD 5005 OF MIL-STD-883, TEST AFTER COOLDOWN AS FINAL ELECTRICAL TEST IN ACCORDANCE WITH MIL-STD-883, METHOD 5004, AND WITH NO INTERVENING ELECTRICAL MEASUREMENTS. IF INTERIM ELECTRICAL PARAMETER TESTS ARE PERFORMED PRIOR TO BURN-IN, FAILURES RESULTING FROM PREBURN-IN SCREENING MAY BE EXCLUDED FROM THE PDA. IF INTERIM ELECTRICAL PARAMETER TESTS PRIOR TO BURN-IN ARE OMITTED, THEN ALL SCREENING FAILURES SHALL BE INCLUDED IN THE PDA. THE VERIFIED FAILURES OF GROUP A, SUBGROUP 1, AFTER BURN-IN DIVIDED BY THE TOTAL NUMBER OF DEVICES SUBMITTED FOR BURN-IN IN THAT LOT, SHALL BE USED TO DETERMINE THE PER CENT DEFECTIVE FOR THE LOT. LOTS MAY BE RESUBMITTED TO BURN-IN AS PER MIL-M-38510. "

CHANGE : NOTE 13:

TO: " 13. SCREENING: ALL DEVICES PROCURED TO THIS DRAWING SHALL HAVE BEEN SCREENED TO THE REQUIREMENTS OF MIL-STD-883, METHOD 5004, CLASS B."

DRAWING 12548990

CHANGE : DELETE NOTE 14:

DELETE " 14. PERFORMANCE: TO DETERMINE CONFORMANCE TO ELECTRICAL PERFORMANCE CHARACTERISTICS, EACH LOT PRESENTED FOR ACCEPTANCE SHALL BE SAMPLED AND INSPECTED USING THE PDA SPECIFIED IN NOTE 13 C. INSPECTION SHALL CONSIST OF THE PARAMETERS/LIMIT OF TABLE 1 OF THIS DRAWING, AND THE FINAL ELECTRICAL TEST PARAMETERS OF TABLE 11. ELECTRICAL PARAMETERS NOTED 9/ IN TABLE 1 SHALL BE CERTIFIED BY THE VENDOR.

CHANGE: In Table 1, delete footnote 3 callout in Table 1,

FROM: " OUTPUT VOLTAGE SCALE FACTOR 3/ 9/ "

TO: " OUTPUT VOLTAGE SCALE FACTOR 9/ "

CHANGE: Below Table 1, revise footnote 9,

FROM: " 9/ SEE NOTE 14 ON PERFORMANCE "

TO: " 9/ ELECTRICAL PERFORMANCE SHALL BE CERTIFIED BY THE VENDOR "

CHANGE: Below Table 1, delete note 3

DELETE: " 3/ TEST IS PART OF SUBGROUP 4, TABLE II "

DRAWING 12548993

CHANGE : NOTE 13:

FROM: " 13. SCREENING: ALL DEVICES PROCURED TO THIS DRAWING SHALL HAVE BEEN SCREENED TO THE REQUIREMENTS OF MIL-STD-883, METHOD 5004, CLASS B. SCREENING SHALL BE CONDUCTED PRIOR TO QUALITY CONFORMANCE INSPECTION TO THE FOLLOWING MINIMUM CRITERIA

- A. BURN-IN TEST (METHOD 1015 OF MIL-STD-883, TEST CONDITION A TO F AS APPLICABLE).

DRAWING 12548993 (CONTINUED)

- B. INTERIM AND FINAL ELECTRICAL TEST PARAMETERS SHALL BE AS SPECIFIED IN TABLE 1 OF THIS DRAWING, AND THE ELECTRICAL TEST REQUIREMENTS OF TABLE 11, EXCEPT INTERIM ELECTRICAL PARAMETERS TEST PRIOR TO BURN-IN IS OPTIONAL AT THE DISCRETION OF THE MANUFACTURER.
- C. PER CENT DEFECTIVE ALLOWABLE (PDA): THE PDA IS SPECIFIED AS 5 PER CENT BASED ON FAILURES FROM SUBGROUP 1, GROUP A, METHOD 5005 OF MIL-STD-883, TEST AFTER COOLDOWN AS FINAL ELECTRICAL TEST IN ACCORDANCE WITH MIL-STD-883, MEHTOD 5004, AND WITH NO INTERVENING ELECTRICAL MEASUREMENTS. IF INTERIM ELECTRICAL PARAMETER TESTS ARE PERFORMED PRIOR TO BURN-IN, FAILURES RESULTING FROM PREBURN-IN SCREENING MAY BE EXCLUDED FROM THE PDA. IF INTERIM ELECTRICAL PARAMETER TESTS PRIOR TO BURN-IN ARE OMITTED, THEN ALL SCREENING FAILURES SHALL BE INCLUDED IN THE PDA. THE VERIFIED FAILURES OF GROUP A, SUBGROUP 1, AFTER BURN-IN DIVIDED BY THE TOTAL NUMBER OF DEVICES SUBMITTED FOR BURN-IN IN THAT LOT, SHALL BE USED TO DETERMINE THE PER CENT DEFECTIVE FOR THE LOT. LOTS MAY BE RESUBMITTED TO BURN-IN AS PER MIL-M-38510. "

CHANGE : NOTE 13:

TO: " 13. SCREENING: ALL DEVICES PROCURED TO THIS DRAWING SHALL HAVE BEEN SCREENED TO THE REQUIREMENTS OF MIL-STD-883, METHOD 5004, CLASS B.

CHANGE : DELETE NOTE 14:

DELETE " 14. PERFORMANCE: TO DETERMINE CONFORMANCE TO ELECTRICAL PERFORMANCE CHARACTERISTICS, EACH LOT PRESENTED FOR ACCEPTANCE SHALL BE SAMPLED AND INSPECTED USING THE PDA SPECIFIED IN NOTE 13 C. INSPECTION SHALL CONSIST OF THE PARAMETERS/LIMITS OF TABLE 1 OF THIS DRAWING, AND THE FINAL ELECTRICAL TEST PARAMETERS OF TABLE 11. ELECTRICAL PARAMETERS NOTED 8/ IN TABLE 1 SHALL BE CERTIFIED BY THE VENDOR. "

DRAWING 12548993

CHANGE: Footnote of Table 1

FROM: "8/ SEE NOTE 14 ON PERFORMANCE "

TO: "8/ ELECTRICAL PERFORMANCE SHALL BE CERTIFIED BY THE VENDOR. "

DRAWING 12548994

CHANGE: ADD THE FOLLOWING CHARACTERISTICS TO TABLE 1

"

CHARACTERISTICS	SYMBOL	CONDITIONS	LIMITS		UNITS
			MIN	MAX	
FEEDBACK SENSE VOLTAGE			1.63	1.81	V
CURRENT LIMIT SENSE VOLTAGE		Ta=25C, Rsc=10 Ohm Vout=0V 6/	225	375	mV

"

DRAWING 12548994

CHANGE : NOTE 13:

FROM: " 13. SCREENING: ALL DEVICES PROCURED TO THIS DRAWING SHALL HAVE BEEN SCREENED TO THE REQUIREMENTS OF MIL-STD-883, METHOD 5004, CLASS B. SCREENING SHALL BE CONDUCTED PRIOR TO QUALITY CONFORMANCE INSPECTION TO THE FOLLOWING MINIMUM CRITERIA

- A. BURN-IN TEST (METHOD 1015 OF MIL-STD-883, TEST CONDITION A TO F AS APPLICABLE).
- B. INTERIM AND FINAL ELECTRICAL TEST PARAMETERS SHALL BE AS SPECIFIED IN MIL-M-38510/10101BCB, TABLE 1 OF THIS DRAWING, AND THE ELECTRICAL TEST REQUIREMENTS OF TABLE 11, EXCEPT INTERIM ELECTRICAL PARAMETERS TEST PRIOR TO BURN-IN IS OPTIONAL AT THE DISCRETION OF THE MANUFACTURER.

DRAWING 12548994 (CONTINUED)

C. PER CENT DEFECTIVE ALLOWABLE (PDA): THE PDA IS SPECIFIED AS 5 PER CENT BASED ON FAILURES FROM SUBGROUP 1, GROUP A, METHOD 5005 OF MIL-STD-883, TEST AFTER COOLDOWN AS FINAL ELECTRICAL TEST IN ACCORDANCE WITH MIL-STD-883, METHOD 5004, AND WITH NO INTERVENING ELECTRICAL MEASUREMENTS IF INTERIM ELECTRICAL PARAMETER TESTS ARE PERFORMED PRIOR TO BURN-IN, FAILURES RESULTING FROM PREBURN-IN SCREENING MAY BE EXCLUDED FROM THE PDA. IF INTERIM ELECTRICAL PARAMETER TESTS PRIOR TO BURN-IN ARE OMITTED, THEN ALL SCREENING FAILURES SHALL BE INCLUDED IN THE PDA. THE VERIFIED FAILURES OF GROUP A, SUBGROUP 1, AFTER BURN-IN DIVIDED BY THE TOTAL NUMBER OF DEVICES SUBMITTED FOR BURN-IN IN THAT LOT, SHALL BE USED TO DETERMINE THE PER CENT DEFECTIVE FOR THE LOT. LOTS MAY BE RESUBMITTED TO BURN-IN AS PER MIL-M-38510. "

CHANGE : NOTE 13:

TO: " 13. SCREENING: ALL DEVICES PROCURED TO THIS DRAWING SHALL HAVE BEEN SCREENED TO THE REQUIREMENTS OF MIL-STD-883, METHOD 5004, CLASS B."

CHANGE : DELETE NOTE 14:

DELETE " 14. PERFORMANCE: TO DETERMINE CONFORMANCE TO ELECTRICAL PERFORMANCE CHARACTERISTICS, EACH LOT PRESENTED FOR ACCEPTANCE SHALL BE SAMPLED AND INSPECTED USING THE PDA SPECIFIED IN NOTE 13 C. INSPECTION SHALL CONSIST OF THE PARAMETERS/LIMITS OF TABLE 1 OF THIS DRAWING, AND THE FINAL ELECTRICAL TEST PARAMETERS OF TABLE 11. "

CHANGE: DELETE NOTE 4

DELETE: " 4/ TEST IS PART OF SUBGROUP 4, TABLE 11 "

DOCUMENT SUMMARY LIST

Item: CIRCUIT CARD ASSY, POWER CONDITIONER

NSN: 5999-01-315-7924

Control Number/PRON: P30HRAX3

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-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

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Item B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as AProvisioning, AConfiguration Management, etc.
- Item D. Enter name of system/item being acquired that data will support.
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer of CDRL.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoD 5230.124).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in

Item 14; Desired medium for delivery of the data item.

DD Form 1423 Reverse, JUN 90

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 as no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. These estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.

GUIDANCE ON DOCUMENTATION OF CONTRACT REQUIREMENTS LIST (CDRL)

The following information is furnished to provide guidance with respect to the abbreviations and codes utilized in various blocks of DD Form 1423, Contract Data Requirements List.

Block 1. Sequence Number. This number is specified by DOD components in accordance with FAR Supplement Subpart 4.71.

Block 2. Title of Description of Data. This represents the title or brief description of the data. This title should be identical to the Data Item Description (DID) title with Block 3 being used for further identification, if required.

Block 3. Subtitle of Data. If the title requires further identification, a subtitle is entered.

Block 4. Authority, Data Item Number. Data item number of the DID which provides the data preparation instructions.

Block 5. Contract Reference. The specific paragraph number of the contract procurement request, system specification, or other applicable document which identifies the effort associated with the data item authorized by Block 4 above.

Block 6. Technical Office. The office that is responsible for assuring the adequacy of the data item unless this responsibility is delegated elsewhere in the contract or in Block 7 on the DD Form 1423.

Block 7. DD Form 250 Requirement. This block designates the location (contractor's facility or destination) for performance of Government inspection and acceptance. The applicable codes for inspection and acceptance are cited below. The Government activity to perform the destination acceptance task is entered in Block 14 as the first addressee.

Code	Inspection	Acceptance
SS	*Source(DD Form 250)	*Source(DD Form 250)
DD	Destination(DD Form 250)	Destination(DD Form 250)
SD	*Source(DD Form 250)	Destination(DD Form 250)
DS	Destination(DD Form 250)	*Source(DD Form 250)
LT	Letter of Transmittal only	
NO	No inspection or acceptance required	
XX	Inspection/acceptance requirements specified elsewhere in the contract.	

*Source indicates contractor's facility,

Block 8. Approval Code. Items of critical data requiring specified advanced written approval, such as test plans, are identified by an "A" in this field. This data requires submission of a preliminary draft prior to publication of the final document. When advanced approval is not required, this field is blank.

Block 9. Distribution Statement Required. The code letter corresponding to the distribution statement to be marked on the technical data item by the contractor, in accordance with DoD Directive 5230.24 and the guidance in DoD 5010.12-M.

Block 10. Frequency. The codes that appear in this block are cited below:

ANNLY	Annually	ASGEN	As generated*
ASREQ	As required*	BI-MO	Every 2 months
BI-WE	Every 2 weeks	DAILY	Daily
DFDEL	Deferred Delivery	MTHLY	Monthly
ONE/P	One Preliminary	ONE/R	One time with revisions
QRTLY	Quarterly	R/ASR	Revision as required*
SEMIA	Every 6 months	WEKLY	Weekly
XTIME**	Number of time to be submitted (1TIME, 2TIMES, etc.)		

*Use of these codes requires further explanation in block 16 to provide the contractor with guidance necessary to accurately price the deliverable data item.

**A number must be inserted in place of the "X".

Block 11. As of Date (AOD). When data is submitted only once, this block indicates the number of days the data is to be submitted prior to the end of the reporting period; e.g., "15" would place the AOD for this report as 15 days before the end of each month, quarter, or year depending on the frequency established in Block 10; "0" places the AOD at the end of the month, quarter, or year. Further guidance is shown in Block 13 or 16 as required.

Block 12. Date of First Submission. This block indicates the initial data submission date (Year/Month/Day). When the contract start date has not been established, this block indicates the number of days after the contract start date that the data is due; e.g., 30 days after contract (DAC). Further information, if required is contained in Block 13. "DFDEL" indicates deferred delivery.

Block 13. Date of Subsequent Submission/Event Identification. When data is submitted more than once, the date(s) of subsequent submission(s) is indicated in this block. Example: "Not later than (NLT) 15 days before start of production"; "45 days before first article", etc.

Block 14. Distribution and Addressees. Addressees and number of copies (draft/regular/reproducible) to be forwarded to each addressee as cited in this block. Addressees are indicated by office symbols (i.e., AMSIO-XYZ). A list explaining these symbols and their addressees is attached to the form. When reproducible copies are required, the type of copies required will be cited in this block or Block 16.

NOTE: Unless otherwise cited in Block 10 of DD Form 1664, entries in Blocks 3 through 9 on DD Form 1664, Data Item Descriptions, are for information purposes only and are not contractually binding.

NOTE: It is required that data items be delivered using electronic media. Where possible electronic transmission (e-mail) is the most preferred method. Refer to the Contract Data Requirements List (CDRL), DD Form 1423 for more specific information (i.e., e-mail addresses, etc.)

For narrative kinds of reports, submission of a 3 1/2 inch disk in Rich Text Format (RTF), Microsoft Word or by e-mail is acceptable.

For spreadsheets or database kinds of reports, the acceptable software packages would be Microsoft Office products, i.e., Access or Excel. If these packages are not available, the information could be forwarded using a word processing kind of document saved in a Rich Text Format (RTF).

CONTRACT DATA REQUIREMENTS LIST
DD FORM 1423 (MECHANIZED)

CATEGORY: MISC SYSTEM/ITEM: CIRCUIT CARD ASSY, POWER CONDITIONER
TO CONTRACT/PR: P30HRAX3

1. SEQUENCE NUMBER
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. AMSTA-AR-ES / /
2. CONFIGURATION CHANGE CONTROL* (ECALS) / /
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 CONFIG-
URATION 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: 04/03/2000