

ENGINEERING CHANGE PROPOSAL

[ECP]

HOT 2006

DAAE20-00-D-0042

ATCH 01

MODIFICATION P00002

ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1 OF 11

1. DATE (YYMMDD)
000113

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 2 hours 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 collection of information, including suggestions for reducing this burden to Department of Defense, 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, DC 20503

2. PROCURING ACTIVITY NO.

HOT2006

3. DODAAC

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THIS CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.

| | | | | | |
|---|--|---|--|------------------------------|-------------------------|
| 4. ORIGINATOR a. TYPED NAME (FIRST, MIDDLE INITIAL, LAST) Barry W. Kullack | | b. ADDRESS (STREET, CITY STATE, ZIP CODE) U.S. ARMY, ARDEC AMSTA-AR-FSF-DT PICATINNY ARSENAL, NJ 07806-5000 | | 5. CLASS OF ECP. I | |
| | | | | 6. JUST. CODE C | 7. PRIORITY R |

| | | | | | |
|------------------------------|------------------------------|---|----------------------|-------------------------------------|---------|
| 8. ECP DESIGNATION | | | 9. BASELINE AFFECTED | | |
| a. MODEL/TYPE AEGR | b. CAGE CODE 19200 | c. SYSTEM DESIGNATION M1A2 ABRAMS SEPTANK | FUNCTIONAL | <input checked="" type="checkbox"/> | PRODUCT |
| | | | ALLOCATED | | |

| | | | | | |
|------------------------------|--|---------------------|--------|--------------------------------------|----|
| d. ECP NO. HOT2006 | | e. TYPE F | f. REV | 10. OTHER SYS/CONFIG. ITEMS AFFECTED | |
| | | | | YES | NO |

| 11. SPECIFICATIONS AFFECTED | | | | 12. DRAWINGS AFFECTED | | | | |
|-----------------------------|-----------|------------------------------|-----|-----------------------|-----------|----------|-----|-----|
| | CAGE Code | Specification / Document No. | Rev | SCN | CAGE Code | Number | Rev | Nor |
| a. SYSTEM | 19200 | PRF12438580SM | - | | 19200 | 12991884 | - | |
| b. DEVELOPMENT | | | | | 19200 | 12991885 | - | |
| c. PRODUCT | | | | | | | | |

13. TITLE OF CHANGE
NEW AEGR INTERFACE DRAWINGS

| | | | |
|--------------------------------|--|---------------------------------------|------------------|
| 14. CONTRACT NO. AND LINE ITEM | | 15. PROCURING CONTRACTING OFFICER | |
| | | a. NAME (FIRST, MIDDLE INITIAL, LAST) | |
| | | b. CODE | c. TELEPHONE NO. |

| | | | | |
|--|--|--|-------------------|--|
| 15. CONFIGURATION ITEM NOMENCLATURE ARMY EMBEDDED GLOBAL POSITIONING SYSTEM RECEIVER (AEGR) : M1A2 SEPTANK | | | 17. IN PRODUCTION | |
| | | | YES | <input checked="" type="checkbox"/> NO |

| | | |
|------------------------------------|-------------------------------------|--------|
| 18. ALL LOWER LEVEL ITEMS AFFECTED | | |
| a. NOMENCLATURE AEGR | b. PART NO. PRF12438580SM | c. NSN |

19. DESCRIPTION OF CHANGE
 1. Add two new drawings
 2. Update performance specification.

20. NEED FOR CHANGE
 1. New drawings will establish and maintain compatibility between co-functioning items. Also it will control interface designs.
 2. Reflect addition of interface drawing.

AMSTA-AR-0001
 14 FEB 2000
 2000 FEB 11 A 11:35

| | |
|------|--|
| NONE | 22. EFFECT ON PRODUCTION DELIVERY SCHEDULE NONE |
|------|--|

| | |
|---|--|
| 23. RETROFIT | |
| a. RECOMMENDED ITEM EFFECTIVITY N/A | b. SHIP / VEHICLE CLASS AFFECTED N/A |
| c. ESTIMATED KIT DELIVERY SCHEDULE N/A | d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED N/A |

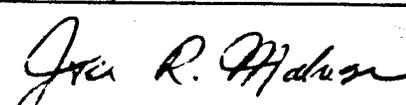
| | |
|--|---|
| 24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT NONE | 25. ESTIMATED NET TOTAL COSTS / SAVINGS NONE |
|--|---|

| | |
|--|--------------------------------------|
| 26. SUBMITTING ACTIVITY a. AUTHORIZED SIGNATURE <i>Cal J. Sells</i> | b. TITLE M1/M60A3/BFVS CMO |
|--|--------------------------------------|

| | | |
|---|---|--|
| 27. APPROVAL / DISAPPROVAL | | |
| a. CLASS I <input checked="" type="checkbox"/> APPROVAL <input type="checkbox"/> DISAPPROVAL RECOMMENDED | b. CLASS II <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED | c. CLASS III <input type="checkbox"/> CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE |

| | | |
|---|---------------------------------------|--|
| d. GOVERNMENT ACTIVITY TACOM, AMSTA-TR-E/TANK | e. SIGNATURE <i>Jose R. Pineda</i> | f. DATE SIGNED (YYMMDD) 2000 06 19 |
|---|---------------------------------------|--|

| | | | |
|---|------------------------|--------------|-------------------------|
| g. APPROVAL <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED | h. GOVERNMENT ACTIVITY | i. SIGNATURE | j. DATE SIGNED (YYMMDD) |
|---|------------------------|--------------|-------------------------|

| | | | |
|---|---|---|--|
| NOTICE OF REVISION (NOR) THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED. | | 1. DATE (YYMMDD) 000113 | Form Approved OMB No. 0704-0188 |
| Public reporting burden for this collection of information is estimated to average 2 hours 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 collection of information, including suggestions for reducing this burden to Department of Defense, 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, DC 20503 PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THIS CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM. | | 2. PROCURING ACTIVITY NO. HOT2006 | |
| 4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) Barry W. Kullack | | b. ADDRESS (Street, State, Zip Code) U.S. ARMY, ARDEC AMSTA-AR-FSF-DT Picatinny Arsenal, NJ 07806-5000 | 3. DODAAC |
| 5. CAGE CODE 19200 | | 6. NOR NO. | 7. CAGE CODE 19200 |
| 8. DOCUMENT NO. D12991884 | | 9. TITLE OF DOCUMENT AEGR INTERFACE | |
| 10. REVISION LETTER a. CURRENT - | | 11. ECP NO. HOT2006 | |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES ARMY EMBEDDED GPS RECEIVER: M1A2 SEPTANK | | NOR SHT 1 OF 3 | ECP PAGE 3 OF 11 |
| 13. DESCRIPTION OF REVISION <p style="text-align: center;">SEE CONTINUATION NOR SHEETS 2 THRU 3 FOR NEW DRAWING</p> | | | |
| UPDATE REVISION STATUS OF SHEETS BLOCK TO THE LATEST REVISION | | | |
| 14. THIS SECTION FOR GOVERNMENT USE ONLY | | | |
| a. (X one) | <input checked="" type="checkbox"/> | (1) Existing document supplemented by this NOR may be used in manufacture. | |
| | <input type="checkbox"/> | (2) Revised document must be received before manufacturer may incorporate this change. | |
| | <input type="checkbox"/> | (3) Custodian of master document shall make above revision and furnish revised document. | |
| b. ACTIVITY AUTHORIZED TO APPROVED CHANGE FOR GOVERNMENT TACOM, AMSTA-TR-E/TANK | | c. TYPED NAME (First, Middle Initial, Last) JOSE R. MABESA | |
| d. TITLE MECH ENGR | e. SIGNATURE  | | f. DATE SIGNED (YYMMDD) 2000 06 19 |
| 15.a. ACTIVITY ACCOMPLISHING REVISION | b. REVISION COMPLETED (Signature) | | c. DATE SIGNED (YYMMDD) |

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATIONS
 - A. MIL-STD-100E
 - B. ANSI Y14.3M - 1982
 - C. PRF12438580 (SM)
2. THIS IS THE INTERFACE CONTROL DRAWING FOR THE ARMY EMBEDDED GLOBAL POSITIONING SYSTEM RECEIVER (AEGR). PRF12438580 (SM).
- ③ ITEM IDENTIFICATION: MARK CIRCUIT CARD IN ACCORDANCE WITH SECTION 3.7 OF PRF12438580SM.
4. ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT SHALL BE IN ACCORDANCE WITH MIL-STD-1888 AND MIL-HDBK-283, CLASS 1.
5. BATTERY IN ACCORDANCE WITH DRAWING 12991884
- ⑥ INTERFACE CHARACTERISTICS IN ACCORDANCE WITH PRF12438580(SM).
7. ANTENNA INTERFACE IN ACCORDANCE WITH SECTION 3.3.7.11 OF PRF12438580SM

NOR CONTINUATION SH 2 OF 3
NOR NO. HOT2006 13 JAN 2000
NEW DRAWING

| | | | | |
|---------------------------|--|--|---------|---------|
| | | | | |
| | | | SHEET 2 | SHEET 1 |
| REVISION STATUS OF SHEETS | | | | |



DISTRIBUTION STATEMENT C. DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS FOR CONTROL OF CRITICAL TECHNOLOGY (57-43-12). OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO SPAE-ASH-A3-2.

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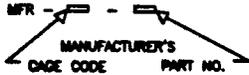
INTERFACE CONTROL DRAWING

PART NO. 12991884

| | | | |
|--|--|---|--|
| AUTHORITY: MIL-STD-100E DATE: 13 JAN 2000 DRAWN BY: [] CHECKED BY: [] APPROVED BY: [] | | TITLE: AEGR INTERFACE PART NO: 12991884 D 18200 | |
| PREPARED BY: [] DATE: [] | | DRAWN BY: [] DATE: [] | |
| CHECKED BY: [] DATE: [] | | APPROVED BY: [] DATE: [] | |

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATIONS
A. MIL-STD-100E
B. ANSI Y14.5M - 1982
2. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).
3. ELECTRICAL PERFORMANCE CHARACTERISTICS: THE ELECTRICAL PERFORMANCE CHARACTERISTICS SHALL BE AS SPECIFIED IN TABLE 1, FIGURES 1 AND 2.
4. CONFIGURATION: DEVICE SHALL MEET THE CONFIGURATION AND DIMENSIONAL REQUIREMENTS AS SHOWN IN FIGURE 3.
5. ITEM IDENTIFICATION: DEVICE SHALL BE MARKED WITH THE MANUFACTURER'S PART NUMBER AND CAGE CODE OR SYMBOL IN ACCORDANCE WITH MIL-STD-130. APPLY THE FOLLOWING MARRONGS TO CONTAINER IN ACCORDANCE WITH MIL-STD-130. 18200-12991885



NOR CONTINUATION SH 2 OF 3
NOR NO. H0T2006 13 JAN 2000
NEW DRAWING

| | | | | |
|---------------------------|--|--|---------|---------|
| | | | | |
| | | | SHEET 2 | SHEET 1 |
| REVISION STATUS OF SHEETS | | | | |

| SUGGESTED SOURCE(S) OF SUPPLY | | | |
|-------------------------------|---|-------|-----------------|
| PART NO. | VENDOR | | VENDOR PART NO. |
| | ADDRESS | | |
| 12991885 | ELECTROCHEM INDUSTRIES DIV OF WILSON GREATBATCH LTD 10000 WEHRLE DR CLARENCE, N.Y. 14031 | 62713 | 38940-TC |

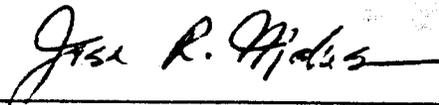
DISTRIBUTION STATEMENT C. DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS FOR CONTROL OF CRITICAL TECHNOLOGY (77-69-02). OTHER RESTRICTIONS FOR THIS DOCUMENT SHALL BE REFERRED TO SP4E-AM-AP-6.

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VENDOR ITEM DRAWING PART NO. 12991885

| | | |
|--|---|--|
| TITLE: BATTERY, STORAGE PART NO: 12991885 CAGE CODE: 62713 VENDOR PART NO: 38940-TC | DRAWN BY: [] CHECKED BY: [] DATE: [] | NO. OF SHEETS: [] SHEET NO. OF SHEETS: [] |
|--|---|--|

| | | | | | | | |
|---|--|-----------------------------------|----------------------------|-----------------------|------------------------------------|-------------------------------|--|
| SPECIFICATION CHANGE NOTICE (SCN) THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED | | | 1. DATE (YYMMDD) 000113 | | FORM APPROVED OMB NO. 0704-0188 | | |
| PUBLIC REPORTING BURDEN FOR THIS COLLECTION OF INFORMATION IS ESTIMATED TO AVERAGE 2 HOURS 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 OF OTHER ASPECTS OF THE COLLECTION OF INFORMATION, INCLUDING SUGGESTIONS FOR REDUCING THIS BURDEN, TO DEPARTMENT OF DEFENSE WASHINGTON HEADQUARTERS SERVICES DIRECTORATE FOR INFORMATION OPERATIONS AND REPORTS, 1215 JEFFERSON DAVIS HWY, SUITE 1804, ARLINGTON, VA 22202-4302, AND TO THE OFFICE OF MANAGEMENT AND BUDGET, PAPER WORKS REDUCTION PROJECT (0704-0188), WASHINGTON, DC 20503 | | | | | 2. PROCLURING ACTIVITY NO. | | |
| PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT. PROCLURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM. | | | | | 3. DODAAC | | |
| 4. ORIGINATOR | | | 5. SCN TYPE | | | | |
| a. TYPED NAME (First, Middle Initial, Last) Barry W. Kullack | | | X PROPOSED | | APPROVED | | |
| b. ADDRESS (Street, City, State, Zip Code) U.S. ARMY, ARDEC AMSTA-AR-FSF-DT Picatinny Arsenal, NJ 07806-5000 | | | 6. CAGE CODE 19200 | | 7. SPEC NO. PRF12438580SM | | |
| | | | 8. CAGE CODE 19200 | | 9. SCN NUMBER 1 | | |
| 10. SYSTEM DESIGNATION M1A2 SEP TANK | | 11. RELATED ECP NUMBER HOT2006 | | 12. CONTRACT NO. - | | 13. CONTRACTUAL AUTHORIZATION | |
| 14. CONFIGURATION ITEM NOMENCLATURE ARMY EMBEDDED GPS RECEIVER (AEGR) | | | | 15. EFFECTIVITY | | | |
| This notice informs recipients that the specification identified by the number (and revision letter) shown in item 7 has been changed. The pages changed by this SCN are those furnished herewith and carry the approval date of the related ECP listed in item 11. The pages of the page numbers and dates listed in items 16 and 17, combined with non-listed pages of the original issue of the revision shown in item 7, constitute the current approved version of this specification. | | | | | | | |
| 16. PAGES AFFECTED BY THIS SCN | | | TYPE OF CHANGE* | | APPROVAL DATE (YYMMDD) | | |
| PAGE(S) a. | | | b. | | c. | | |
| 4 | | | S | | | | |
| 10 | | | S | | | | |
| 17. SUMMARY OF PREVIOUSLY CHANGED PAGES | | | DATE SUBMITTED (YYMMDD) | | TYPE OF CHANGE* | | |
| SCN NO. a. | | RELATED ECP NO. b. | | PAGE(S) c. | | APPROVAL DATE (YYMMDD) f. | |
| N/A | | | | | | | |
| * "S" indicates supersedes earlier page. "A" indicates added page. "D" indicates deletion. | | | | | | | |
| AUTHORIZATION CLASS | | | APPROVED BY | | EFFECTIVITY - ENGINEERING SERVICES | | |
| PREPARED BY | | | FIELD AND SUPPORT | | EFFECTIVITY - PRODUCTION | | |
| CHECKED BY | | | SYSTEMS ENGINEERING | | DISPOSITION OF ITEMS ENG SERV | | |
| | | | | | DISPOSITION OF ITEMS PROD | | |
| 18a. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT | | | | c. SIGNATURE | | d. DATE SIGNED (YYMMDD) | |
| b. TYPED NAME (First, Middle Initial, Last) | | | | | | | |

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| | | 3. DODAAC | |
| 4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) Barry W. Kullack | b. ADDRESS (Street, State, Zip Code) U.S. ARMY, ARDEC AMSTA-AR-FSF-DT Picatinny Arsenal, NJ 07806-5000 | 5. CAGE CODE 19200 | 6. NOR NO. |
| | | 7. CAGE CODE 19200 | 8. DOCUMENT NO. PRF12438580SM SH 4 |
| 9. TITLE OF DOCUMENT PERFORMANCE SPECIFICATION 12438580SM FOR THE ARMY EMBEDDED GPS RECEIVER (AEGR) | 10. REVISION LETTER a. CURRENT - | | b. NEW 11. ECP NO. H0T2006 |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES AEGR , M1A2 TANK | NOR SHT 1 OF 1 | ECP PAGE 10 OF 11 | |
| 13. DESCRIPTION OF REVISION CHANGE : SECTION 2.2.2 FROM: " 2.2.2 <u>Other Government documents, drawings, and publications.</u> The following other Government documents, drawings, and publications of the exact revision listed below form a part of this specification to the extent specified herein.. ATPD 2167 Environmental Test Methods, M1 Tank Program " TO: " 2.2.2 <u>Other Government documents, drawings, and publications.</u> The following other Government documents, drawings, and publications of the exact revision listed below form a part of this specification to the extent specified herein.. DRAWINGS 12991884 - AEGR INTERFACE 12438560 - MISSION PROCESSOR UNIT, TURRET PUBLICATIONS ATPD 2167 Environmental Test Methods, M1 Tank Program " | | | |
| 14. THIS SECTION FOR GOVERNMENT USE ONLY | | | |
| a. (X one) | <input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document. | | |
| b. ACTIVITY AUTHORIZED TO APPROVED CHANGE FOR GOVERNMENT TACOM. AMSTA-TR-E/TANK | c. TYPED NAME (First, Middle Initial, Last) JOSE R. MABESA | | |
| d. TITLE MECH ENGR | e. SIGNATURE  | f. DATE SIGNED (YYMMDD) 2000 06 19 | |
| 15.a. ACTIVITY ACCOMPLISHING REVISION | b. REVISION COMPLETED (Signature) | c. DATE SIGNED (YYMMDD) | |

| NOTICE OF REVISION (NOR) THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED. | | 1. DATE (YYMMDD) 000113 | Form Approved OMB No. 0704-0188 |
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| 4. ORIGINATOR | | 5. CAGE CODE 19200 | 3. DODAAC |
| a. TYPED NAME (First, Middle Initial, Last) Barry W. Kullack | b. ADDRESS (Street, State, Zip Code) U.S. ARMY, ARDEC AMSTA-AR-FSF-DT Picatinny Arsenal, NJ 07806-5000 | 7. CAGE CODE 19200 | 6. NOR NO. |
| 9. TITLE OF DOCUMENT PERFORMANCE SPECIFICATION 12438580SM FOR THE ARMY EMBEDDED GPS RECEIVER (AEGR) | 10. REVISION LETTER a. CURRENT - b. NEW | | 8. DOCUMENT NO. PRF12438580SM SH 10 |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES AEGR , M1A2 TANK | | NOR SHT 1 OF 1 | 11. ECP NO. HOT2006 |
| 13. DESCRIPTION OF REVISION ADD: NEW SECTION 3.3.3.3 " 3.3.3.3 <u>Interface Configuration</u> : Interfaces are defined on drawings 12991884,12438560 and in this specification. " | | | |
| 14. THIS SECTION FOR GOVERNMENT USE ONLY | | | |
| a. (X one) <input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document. | | | |
| b. ACTIVITY AUTHORIZED TO APPROVED CHANGE FOR GOVERNMENT TACOM, AMSTA-TR-E/TANK | | c. TYPED NAME (First, Middle Initial, Last) JOSE R. MABESA | |
| d. TITLE MECH ENGR | e. SIGNATURE <i>Jose R. Mabesa</i> | f. DATE SIGNED (YYMMDD) 2000 06 19 | |
| 15.a. ACTIVITY ACCOMPLISHING REVISION | b. REVISION COMPLETED (Signature) | c. DATE SIGNED (YYMMDD) | |

DRAWINGS

12991884

12991885

DAAE20-00-D-0042

ATCH 02

MODIFICATION P00002

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATIONS
 - A. MIL-STD-100E
 - B. ANSI Y14.5M - 1982
 - C. PRF12438580 (SM)
2. THIS IS THE INTERFACE CONTROL DRAWING FOR THE ARMY EMBEDDED GLOBAL POSITIONING SYSTEM RECEIVER (AEGR), PRF12438580 (SM).
3. ITEM IDENTIFICATION: MARK CIRCUIT CARD IN ACCORDANCE WITH SECTION 3.7 OF PRF12438580SM.
4. ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT SHALL BE IN ACCORDANCE WITH MIL-STD-1686 AND MIL-HDBK-263, CLASS 1.
5. BATTERY IN ACCORDANCE WITH DRAWING 12991885
6. INTERFACE CHARACTERISTICS IN ACCORDANCE WITH PRF12438580(SM).
7. ANTENNA INTERFACE IN ACCORDANCE WITH SECTION 3.3.7.11 OF PRF12438580SM



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| REV. LTR | DESCRIPTION | DATE | BY |
|----------|----------------------------------|------|----|
| - | ERR H072014 (ECP H072005/000629) | | BK |

| REV. LTR | DESCRIPTION | DATE | BY |
|----------|-------------|------|----|
| - | SHEET 2 | | |
| - | SHEET 1 | | |

REVISION STATUS OF SHEETS

INTERFACE CONTROL DRAWING

PART NO. 12991884

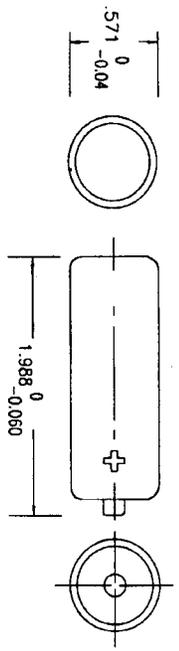
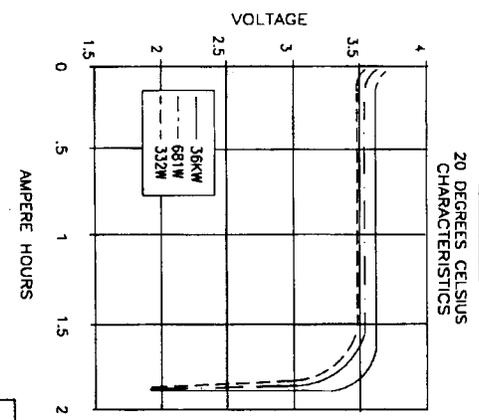
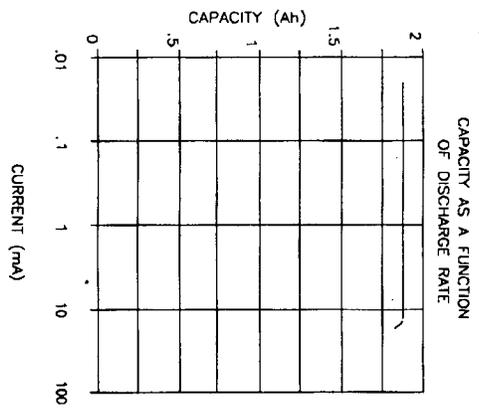
| | | | | | |
|-----------------------|----------------------|---|------------------------|-------|----------|
| PLUC | NO NOT SCALE DRAWING | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | FORM OF ALL DIMENSIONS | DATE | SCALE |
| APPLICABLE PRECEDENTS | 12438580 | 1 | 1 | 19200 | 12991884 |
| DATE | 12438580 | 1 | 1 | 19200 | 12991884 |
| APP. BY | 12438580 | 1 | 1 | 19200 | 12991884 |
| APP. DATE | 12438580 | 1 | 1 | 19200 | 12991884 |
| APP. BY | 12438580 | 1 | 1 | 19200 | 12991884 |
| APP. DATE | 12438580 | 1 | 1 | 19200 | 12991884 |
| APP. BY | 12438580 | 1 | 1 | 19200 | 12991884 |
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| APP. DATE | 12438580 | 1 | 1 | 19200 | 12991884 |

AEGR INTERFACE

AEGR INTERFACE
12991884

TABLE 1
ELECTRICAL CHARACTERISTICS

| | |
|--|--|
| OPEN CIRCUIT VOLTAGE AT ROOM TEMPERATURE | 3.6 VOLTS |
| RATED DISCHARGE CURRENT | 100 mA |
| RATED CAPACITY | 1.9 Ah |
| MAXIMUM CONTINUOUS DISCHARGE CURRENT | 1.0 MILLIAMPS |
| OPERATING TEMPERATURE RANGE | -40 DEGREES CELSIUS TO +85 DEGREES CELSIUS |
| ENERGY DENSITY | 15 GRAMS |
| WEIGHT | 456 Wh/kg |



DISTRIBUTION STATEMENT C. DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS FOR COPIES. ORIGINAL TECHNOLOGY (DTIC-OS-12). OTHER REQUESTS FOR THIS DOCUMENT SHALL BE RETURNED TO DTIC-NSA-48-5. DISTRIBUTION NOTICE - FOR UNCLASSIFIED, LIMITED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

VENDOR ITEM DRAWING

| | | | |
|-------------|------------------------|------|-------|
| PAC | DO NOT SCALE DRAWING | DATE | SCALE |
| MATERIAL | DESIGNED BY | DATE | SCALE |
| PROPERTIES | 3 R. 1. 200 | DATE | SCALE |
| TEST | THIRD ANGLE PROJECTION | DATE | SCALE |
| UNIT | UNIT DIM | DATE | SCALE |
| SEE SHIT 1 | UNIT DIM | DATE | SCALE |
| NEXT ASST | UNIT DIM | DATE | SCALE |
| APPLICATION | UNIT DIM | DATE | SCALE |

PART NO. 12991885

BATTERY, STORAGE

19200

12991885

19200

12991885

| | | | |
|------|-----|---------------------|---------------------|
| ZONE | LTN | DESCRIPTION | UNIT OF MEASUREMENT |
| | | ERR HD172014 | 0000529 |
| | | ECP HD172006/000529 | BK |

DOCUMENT SUMMARY LIST

[DD FORM 1423]

DAAE20-00-D-0042

ATCH 03

MODIFICATION P00002

DOCUMENT SUMMARY LIST

Item: AEGR CARD
NSN:
Control Number/PRON:

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 |

CONTRACT DATA REQUIREMENTS LIST

DD FORM 1423 (MECHANIZED)

CATEGORY: MISC
TO CONTRACT/PR:

SYSTEM/ITEM: AEGR CARD

| | | | |
|----------------------------|-----------------------------------|------------------|--------------------------|
| 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 | 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-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: 08/10/2000

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 AAdvance 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 AAdvance 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 AAdvance 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.