**TASK GROUP INSTRUCTION**
**AIM REV 20.11.4.0 (OCTOBER 2020)**

| TGI NO.: | COMPONENT NAME: | TYPE: | PHASE: | REPEAT: | CHANGE: |
|---|---|---|---|---|---|
| | CMPT 2-126-1-C | MS | A | 6 | 0 |

| SHIP/HULL NO.: | SHIP/HULL NAME: | SYSTEM: | PROJ/WO NO: | CASREP CAT: |
|---|---|---|---|---|
| DDG-76 | USS HIGGINS | 13011 | KB3 | |

CU PHASE TITLE:
(RE) F/O – S/A 31047K, ACCOMP STRL & RGNG WK FOR S/A 31047K BRSE DMGT HW INSTL

PREPARING ACTIVITY:

| | CODE | PHONE | DATE |
|---|---|---|---|
| PREPARED BY: TETSUYA UEMATSU | 231A | 315-243-9943 | 08-JUN-2026 |
| APPROVED BY: YUUJI NAKAMURA | 231A | 315-243-6041 | 08-JUN-2026 |
| CONCURRED BY: | | | |
| CONCURRED BY: | | | |
| CONCURRED BY: | | | |
| CONCURRED BY: | | | |

REASON FOR WORK/NEED FOR CHANGE:

CHANGE INSTRUCTIONS:

SPECIAL REQUIREMENTS:

**WORK CERTIFICATION SIGNATURES**

| COMPLETION OF WORK REVIEW: | BADGE NO.: | SHOP/CODE: | PHONE: | DATE: |
|---|---|---|---|---|
| | | | | |

**ACCEPTANCE OF COMPLETED WORK**

| PHYSICAL INSPECTION REQUIRED: ☐YES ☒NO | PHYSICAL INSPECTION COMPLETED: | BADGE NO.: | SHOP/CODE: | PHONE: | DATE: |
|---|---|---|---|---|---|
| RECORDS REVIEW: | | BADGE NO.: | SHOP/CODE: | PHONE: | DATE: |



FOUO: Public availability to be determined under 5 USC 552

*38KB344120A01*

| LIST OF EFFECTIVE PAGES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SHT NO. | CHG NO. | SHT NO. | CHG NO. | SHT NO. | CHG NO. | SHT NO. | CHG NO. | SHT NO. | CHG NO. |
| 1-4 | | | | | | | | | |
| J-1 | | | | | | | | | |
| M1-3 | | | | | | | | | |
| | | | | | | | | | |

1. **SCOPE/PURPOSE**

1.1 Title: S/A 31047K, Structural and Rigging Work for S/A 31047K Battle Force Tactical Network Resilient Command, Control, and Communications System Enhancement (BRSE) Data Management Hardware Installation; accomplish

1.2 Location of Work:

1.2.1 Communications Center (2-126-1-C)

1.2.2 Auxiliary Machinery Room No. One (4-126-0-E)

1.2.3 Combat Information Center (1-126-0-C)

1.3 Identification:

1.3.1 Quantity (One Lot), Crane and Rigging Service for Unshipping of BFTN Server Rack Unit and Shipping of BRSE Data Management Rack AN/USQ-246A(V)1 in 2-126-1-C

Remarks: See 2.4 for location detail

1.3.2 Quantity (One Lot), Structural Work for S/A 31047K BRSE Data Management Hardware Installation

Remarks: See 2.3 for material and detail

1.3.3 Quantity (One Lot), Electrical Mounting Equipment for S/A 31047K in 2-126-1-C

1.3.3.1 Quantity (One EA), Mounting Bar for Battle Lantern

Material: Steel
Remarks: See Sheets 6 and 7 Item No. 504 of 2.4 for detail

1.3.3.2 Quantity (2 EA), Mounting Stud for Junction Box

Material: Steel
Remarks: See Sheets 6 and 7 Item No. 505 of 2.4 for detail

1.3.3.3 Quantity (4 EA), Mounting Stud for ANDS Fiber Optic Junction Box No. 2

Material: Steel
Remarks: See Sheets 6 and 7 Item No. 503 of 2.4 for detail

1.3.4 Quantity (One EA), Stud of Bonding for BRSE Data Management Rack Unit in 2-126-1-C

Material: Steel
Weld Joint Design: PT1S.1 of MIL-STD-22D
Fillet Weld Size: 1/8 Inch

1.4 Security Classification:

1.4.1 Spaces – 1.2.1 and 1.2.3

1.5 Initial Condition:

1.5.1 Potential Lead Hazard

1.6 Contractor work start date: Refer to TGI POP List

1.7 Contractor work completion date: Refer to TGI POP List

## 2. REFERENCES:

| REF. NO. | DOCUMENT /DRAWING NUMBER | DOCUMENT/DRAWING TITLE | REV | CHG NO. | COPY REQ'D (Y/N) | SOURCE DOC (Y/N) | PARA | SEC | PG | CHP |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NSI FY-26 | NAVSEA Standard Items | - | 1 | N | | | | | |
| 2 | LI FY-26 | Local Standard Items | - | ORG | N | | | | | |
| 3 | DWG 184-8990899 | AN/USQ-246A(V)1 BRSE DMGT FDN MODS & ML | A | | Y | | | | AL L | |
| 4 | DWG 441-8990900 | AN/USQ-246A(V)1 BRSE DMGT CNSLD ELEC & ML | A | | Y | | | | AL L | |
| 5 | DWG 100-6218914 | UNIT STRL ARR DWG ASSY UNIT 2140 | W | | Y | | | | 3-11 | |
| 6 | DWG 100-6218913 | UNIT STRL ARR DWG ASSY UNIT 2130 | W | | Y | | | | 3-10 | |

## 3. APPENDICES:

3.1 Appendix "J" TGI Job Summary Information Sheet
3.2 Appendix "M" TGI Material List
3.3 Appendix "D" Deficiency Form

## 4. GENERAL REQUIREMENTS:

4.1 Not Applicable.

## 5. PROCEDURE:

5.1 Provide support work listed in 1.3.1. See 5.6.3.

5.2 Accomplish the structural work listed in 1.3.2 in accordance with 2.3, using 2.4 and 2.5 for guidance.

5.2.1 Remove each existing foundation of BFTN server rack unit from turkey foundation.

5.2.2 Accomplish the requirements of 009-012 of 2.1, including Table 2, Column(s) A and C Lines One through 7.

5.3 Remove existing, and install new each electrical mounting equipment listed in 1.3.3, using 2.4 and 2.5 for guidance. See 5.6.4 through 5.6.7.

5.3.1 Retain removed mounting bar listed in 1.3.3.1 for installation.

5.3.2 Accomplish the requirements of 009-012 of 2.1, including Table 2, Column(s) A Lines One through 7.

5.4 Install each new stud of bonding listed in 1.3.4, using 2.6 for guidance. See 5.6.7.

5.4.1 Accomplish the requirements of 009-012 of 2.1, including Table 2, Column(s) A Lines One through 7.

5.5 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

5.6 Notes:

5.6.1 Planner: Code 231A T. Uematsu, 243-9943
Planner: Code 233 H. Kosaka, 080-9350-1454
Planner: Code 233 K. Uchimura, 080-9350-1432

5.6.2 Work Integration Manager (WIM): Code 333 T. Yaginuma, 080-5419-0598

5.6.3 Removal of BFTN server rack unit and installation of BRSE data management rack AN/USQ-246A(V)1 in 2-126-1-C will be covered by TGI No. 38KB344120U01 and 38KB344120R01 (SRF-JRMC TGI).

5.6.4 Removal and installation of battle lantern and junction box on mounting equipment listed in 1.3.3.1 and 1.3.3.2 will be covered by TGI No. 38KB344120U02 and 38KB344120R02 (SRF-JRMC TGI).

5.6.5 SRF-JRMC Shop X51EO will direct exact location for installation of mounting equipment listed in 1.3.3.1 and 1.3.3.2.

5.6.6 Removal and installation of junction box on mounting equipment listed in 1.3.3.3 will be covered by TGI No. 38KB344120U01 and 38KB344120R01 (SRF-JRMC TGI).

5.6.7 SRF-JRMC Shop X67O will direct exact location for installation of mounting stud and stud of bonding listed in 1.3.3.3 and 1.3.4 which is not designated in referenced drawing.

5.6.8 JCN EXSA-ZCK6 is related to this TGI.

5.7 Government Furnished Material (GFM):

5.7.1 SRF-JRMC will provide GFM listed in Appendix ”M”.

5.8 SRF-JRMC will provide the following service work: (TGI No. 38KB344120S02).

5.8.1 [C740] Crane and crane rigging service.

5.8.2 [X99E] Utility service, electrical.

5.8.3 [X99M] Utilities service, including low pressure air supply, water supply, and steam supply.

5.8.4 [C106.1] Safety inspection for SRF-JRMC employees.

5.8.5 [C106.2] Gas free inspection for SRF-JRMC employees.

5.8.6 [C133] QA inspection for (G) symbol(s).

# APPENDIX "J"
# TGI JOB SUMMARY INFORMATION SHEET

| SYSTEM: | PLANT NO.: | COMPONENT NAME: | TYPE: | PHASE: | REPEAT: | CU PH VERSION: | CASREP CAT: |
|---|---|---|---|---|---|---|---|
| 13011 | | CMPT 2-126-1-C | MS | A | 6 | 0 | |

CU PHASE TITLE:
**(RE) F/O – S/A 31047K, ACCOMP STRL & RGNG WK FOR S/A 31047K BRSE DMGT HW INSTL**

PRIMARY COMPONENT:

COMPONENT UNIT LIST (FOR ASSEMBLIES):

ATTACHMENT LIST:

| ZONE MANAGER: | ZONE: | COMPARTMENT: | LEVEL: | FRAME: | SIDE: |
|---|---|---|---|---|---|
| FUJINO ,YUUKI | | 2-126-1-C | 2 | 126 | S |

| JO: | KO: | TOTAL MAN HRS: | TOTAL MAT'L COST | TOTAL DURATION: | PLANNING ACCEPTANCE: |
|---|---|---|---|---|---|
| 38KB344120 | A01 | | | 0 | |

CU PHASE DESCRIPTION:
**The purpose of this TGI is to accomplish structural and rigging work for S/A 31047K Battle Force Tactical Network Resilient Command, Control, and Communications System Enhancement Data Management Hardware Installation**

**Location of Work:**
**Communications Center (2-126-1-C)**
**Auxiliary Machinery Room No. One (4-126-0-E)**
**Combat Information Center (1-126-0-C)**



| TGI NO.: | CMPT 2-126-1-C | MS | A | 6 |
|---|---|---|---|---|
| SHIP: | DDG-76 | CHG/VER: | | 0/0 |

# APPENDIX "M"
# TGI MATERIAL LIST

| SYSTEM: | PLANT NO.: | COMPONENT NAME: | TYPE: | PHASE: | REPEAT: | CU PH VERSION: | CASREP CAT: |
|---|---|---|---|---|---|---|---|
| 13011 | | CMPT 2-126-1-C | MS | A | 6 | 0 | |

CU PHASE TITLE:
**(RE) F/O – S/A 31047K, ACCOMP STRL & RGNG WK FOR S/A 31047K BRSE DMGT HW INSTL**

## MATERIAL REFERENCES

| REF NO. | DOCUMENT/DRAWING NUMBER | DOCUMENT/DRAWING TITLE | REV |
|---|---|---|---|

| JOB ORDER: | KEY OP: |
|---|---|
| 38KB344120 | A01 |

## MATERIAL LIST

| ITEM NO. | PC NO. | REF NO. | M / C | DESCRIPTION | STOCK NUMBER | GENERIC MATL TYPE | LVL | QA | HAZ MAT | DOC NO. | QTY REQD/ UNIT | QTY USED/ UNIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | | | M | ANGLE,STRUCTURAL, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 9520 010239272 | | NA | 4 | N | 61395314 | 20/FT | |
| 002 | | | M | PLATE,ME, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 (2FT X 6FT) | 9B 9515 002243086 | | NA | 4 | N | 61395285 | 12/SF | |
| 003 | | | M | ANGLE,ST, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 9520 002777310 | | NA | 4 | N | 61395286 | 10/FT | |
| 004 | | | M | ANGLE, STRUCTURAL, ANGLE, STRUCTURAL, 4" X 3" X 3/8"THK, STEEL, MIL-S-22698 GRADE AH-36 ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 9520 LL9306614 | | NA | 4 | N | 61407431 | 10/FT | |

NOTES:



| TGI NO.: | CMPT 2-126-1-C | MS | A | 6 |
|---|---|---|---|---|
| SHIP: | DDG-76 | CHG/VER: | | 0/0 |

# MATERIAL LIST

| ITEM NO. | PC NO. | REF NO. | M / C | DESCRIPTION | STOCK NUMBER | GENERIC MATL TYPE | LVL | QA | HAZ MAT | DOC NO. | QTY REQD/ UNIT | QTY USED/ UNIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 005 | | | M | ANGLE,STRUCTURAL, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 9520 013433281 | | NA | 4 | N | 61395316 | 6/FT | |
| 006 | | | M | BAR,BIMETALLIC, BAR, BIMETALLIC TRANSITION JOINT, ALUMINUM / STEEL, 3"W X 3/4"THK, CONSISTS OF 1/8" ALUMINUM 5456 H117 OR 5086 H32 BONDED TO 1/4" ALUMINUM 1100 BONDED TO 3/8" STEEL ASTM A516 GR-55. BIW CAT: 57001-046.<br><br>ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 9510 LL9309320 | | NA | 4 | N | 61407405 | 2/FT | |
| 007 | | | M | ANGLE, STRUCTURAL, ANGLE, STRUCTURAL, 2-1/2" X 2" X 1/4" THK, ALUMINUM ALLOY 5456 H111, ASTM B221 (SAE-AMS-QQ-A-200/7). *REQUIRED 10FT LENGTH X 3EA<br><br>BIW CAT#: 56107-282 P/N: ASTM B221 ALLOY 5456 H111 (QQ-A-200/7 5456 H111) ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 9540 LL4573214 | | NA | 4 | N | 61407447 | 30/FT | |
| 008 | | | M | ANGLE,STRUCTURAL, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 9540 008922352 | | NA | 4 | N | 61395324 | 10/FT | |
| 009 | | | M | TAPE, 4", ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9D 8305 LL4820191 | | NA | 4 | N | 61397500 | 1/RO | |
| 010 | | | M | SCREW,MA, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 5305 014237156 | | NA | 4 | N | 61405002 | 40/EA | |
| 011 | | | M | FERRULE, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 5320 LL9006423 | | NA | 4 | N | 61397501 | 40/EA | |
| 012 | | | M | PANEL, FALSE DECK, PANEL, FALSE DECK, COMPOSITE, CO-CURED BALSA CORE AND PHENOLIC COMPOSITE, WITH LONMAT FLOORING WEAR SURFACE, SPEC: MIL-PRF-32664, TYPE I, CLASS 1, FORM 1, GROUP 1, AREAL WEIGHT: 2, SIZE: 48" X 100" X 0.560-0.575"THK, COLOR: SEMI-GLOSS BLUE (M05.6 TYPE I BLUE MARBLE), BIW CAT#: 57204-001, | 9B 2090 LL9608383 | | NA | 4 | N | 61407408 | 1/SH | |

# MATERIAL LIST

| ITEM NO. | PC NO. | REF NO. | M / C | DESCRIPTION | STOCK NUMBER | GENERIC MATL TYPE | LVL | QA | HAZ MAT | DOC NO. | QTY REQD/ UNIT | QTY USED/ UNIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 013 | | | M | ADHESIVE, ORDER FOR KTR ORIG: C226 R.FUKUDA, 070-7787-1968 | 9B 1680 014313607 | | NA | 4 | N | 61395287 | 4/EA | |
| 100 | | | M | INSULATI, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9Q 5640 013713263 | | NA | 4 | N | | 3/SH | |
| 101 | | | M | SOUND CO, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9Q 5640 013715238 | | NA | 4 | N | 61395288 | 5/SH | |
| 102 | | | M | INSULATI, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9Q 5640 LL4808710 | | NA | 4 | N | 61397502 | 5/SH | |
| 103 | | | M | INSULATI, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9Q 5640 LL4808709 | | NA | 4 | N | 61397504 | 3/SH | |
| 104 | | | M | TAPE,TEX, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 8315 002671632 | | NA | 4 | N | 61395289 | 2/RO | |
| 105 | | | M | ADHESIVE, ORDERED FOR KTR ORIG: C231, T.UEMATSU, 243-9943 | 9B 8040 002738708 | | NA | 4 | Y | 61395290 | 1/GL | |

FOUO

☐ NUCLEAR

# APPENDIX "D"
# DEFICIENCY FORM

☐ NON-NUCLEAR

| 1. SHIP/HULL NO.: | 2a. DL or DR No. (Circle One) | 2b. REVISION: | 3a. COMPONENT NAME: | 3b. TYPE: | 3c. PHASE: | 3d. REPEAT: |
|---|---|---|---|---|---|---|
| DDG-76 | | | CMPT 2-126-1-C | MS | A | 6 |

| 4a. ICN: | 4b. KEY OP: | 5. LOC SPACE/LVL: FRAME: P/S/C: | 6. CAUSED BY: |
|---|---|---|---|
| 38KB344120 | A01 | | |

7. DESCRIPTION:

| 8. ORIGINATOR: | NAME: | BADGE: | SHOP/CODE: | DATE: | PHONE NO.: |
|---|---|---|---|---|---|
| | | | | | |

9. CORRECTIVE ACTION:

| 10. EVALUATOR: | NAME: | BADGE: | SHOP/CODE: | DATE: | PHONE NO.: |
|---|---|---|---|---|---|
| | | | | | |

**FOR NON-NUCLEAR USE ONLY**

11. RFD/RFW REQ'D ☐ LAR REQ'D ☐ ILS MOD REQ'D ☐

SRD/PLAN REV REQ'D ☐ DWG NO.: _____ S/A NO.: _____

| 12. ISOLATION SATISFACTORY: | SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO.: |
|---|---|---|---|---|---|
| 13. SUBSAFE OQE RECORD? YES ☐ NO ☐ | SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO. |
| 14. CORRECTIVE ACTION COMPLETE: | SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO. |
| 15. INSPECTION REQ'D? :YES ☐ NO ☐ | INSPECTION COMPLETE/SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO. |
| 16. RECORDS REVIEW COMPLETE (DR ONLY) | SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO. |

| DL's ISSUED (DR ONLY) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|

☐ NUCLEAR **Deficiency Form Continuation Sheet** ☐ NON-NUCLEAR

| 1. SHIP/HULL NO.: | 2a. DL or DR No. (Circle One) | 2b. REVISION: | 3a. COMPONENT NAME: | 3b. TYPE: | 3c. PHASE: | 3d. REPEAT: |
|---|---|---|---|---|---|---|
| DDG-76 | | | CMPT 2-126-1-C | MS | A | 6 |