

DDG 51 CLASS

TECHNICAL MANUAL DEVELOPMENT PLAN (TMDP)

Publication Title:

Technical Manual Identification Number (TMIN): (Buyer will furnish)

Publication Date:

Change No:

Publication Date:

System or Equipment

Type:

Model:

Size:

Part Number:

APL Number:

Purchase Order:

Manufacturer's Name:

Address:

CAGE:

Manual Preparing Activity:

Address:

Applicable TMCR(s):

Classification:

Rights In Data:

DDG 51 CLASS

TECHNICAL MANUAL DEVELOPMENT PLAN

 (Seller's Name proposes to:

 Develop permanent change pages to the above technical manual.

 Develop a commercial supplement to the above, off-the shelf commercial manual.

 Develop a new commercial manual.

 Develop a new technical manual for the above listed equipment.

Nature and extent of proposed change or supplement:

It is hereby certified that:

 The technical manual cited above is applicable to the equipment being procured for DDG 51.

 Is not developing the above proposed technical manual under another contract.

 Is in the process of developing the above proposed technical manual under the following contract:

Remarks:

DDG 51 CLASS

TECHNICAL MANUAL DEVELOPMENT PLAN

Development Milestones Schedule

- 1) Technical Manual Development Plan Submitted to BIW.
- 2) Navy Approval and BIW comments back to Seller.
- 3) Manuscript or RDC Copy Submitted to BIW.
- 4) Navy Approval and BIW comments back to Seller.
- 5) Technical Manual Validation Start.
- 6) Technical Manual Validation Complete.

Note: validation required prior to next submittal.

- 7) Preliminary Copy Submitted to BIW.
- 8) Navy Approval and BIW comments back to Seller.
- 9) CRC or FRC Submitted to BIW
NLT 60 days after preliminary approval

Signed

TECHNICAL MANUAL VALIDATION CERTIFICATE
NAVSEA 4160/3 (4-82)

TECHNICAL MANUAL TITLE

NAVSEA TECHNICAL MANUAL NUMBER

DATE

CONTRACT/TMCR NO.

I-VALIDATION

Except as stated in II, the technical manual identified above has been satisfactorily validated in accordance with all requirements of the applicable TMCR and the approved Validation Plan. The technical manual is hereby certified to be accurate and complete, and the information, instruction, text, and illustrations conform in all respects to the applicable general and detailed specifications.

II-EXCEPTIONS

EXCEPTIONS

AUTHORIZED BY

SIGNATURE OF PUBLICATION QUALITY ASSURANCE
OFFICER

DATE

Figure (7)
LMI Worksheet

| DPDN | DATA PRODUCT TITLE | DATA PRODUCT DELIVERABLES | | | | | | | ADDITIONAL INFORMATION |
|------|---|---------------------------|-----|------|------|------|-----|-------|---|
| | | LLTIL | PPL | ISIL | TTEL | SCPL | DCN | SLPPL | |
| 0010 | ALLOWANCE ITEM CODE (AIC) | | A | | | | A | | Record D, Block 50 |
| 0020 | ALLOWANCE ITEM QUANTITY | | A | | | | A | | Record D, Block 51 |
| 0120 | CHANGE AUTHORITY NUMBER | | | | | | X | | Record F, Block 66 |
| 0140 | COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE | | X | | | | X | | Record A, Block 5 |
| 0230 | DEMILITARIZATION CODE (DMIL) | | A | | | | A | | Record B, Block 23 |
| 0280 | ESSENTIALITY CODE | | X | | | | X | | Record A, Block 11 |
| 0290 | ESTIMATED PRICE | | X | | | | X | | |
| 0370 | INDENTURE CODE | | A | | | | A | | Record A, Block 4 |
| 0430 | INTERCHANGEABILITY CODE | | | | | | A | | Record F, Block 67, Part Number Adds, Changes, and Deletes |
| 0480 | ITEM NAME | | X | | | | X | | Record A, Block 12. Change Field Length to 19X |
| 0630 | MEAN TIME BETWEEN FAILURES (MTBF) | | X | | | | X | | |
| 0680 | NATIONAL STOCK NUMBER AND RELATED DATA | | A | | | | A | | Record B, Block 15, Required if Contract Option is exercised. |
| | COGNIZANCE CODE | | A | | | | A | | |
| | MATERIEL CONTROL CODE | | A | | | | A | | |
| | FEDERAL SUPPLY CLASSIFICATION | | A | | | | A | | |
| | NATIONAL ITEM IDENTIFICATION NUMBER | | A | | | | A | | |
| | SPECIAL MATERIEL IDENTIFICATION CODE/MATERIEL MANAGEMENT AGGREGATION CODE | | A | | | | A | | |
| 0690 | NEXT HIGHER ASSEMBLY PROVISIONING LIST ITEM SEQUENCE NUMBER (NHA PLISN) | | X | | | | X | | Record C, Block 29, Automatically assigned by ICAPS. |
| 0790 | PRECIOUS METAL INDICATOR CODE (PMIC) | | A | | | | A | | Record B, Block 27 |
| 0820 | PRIOR ITEM PROVISIONING LIST ITEM SEQUENCE NUMBER (PRIOR ITEM PLISN) | | X | | | | X | | Record C, Block 39, Automatically assigned by ICAPS |
| 0830 | PRODUCTION LEAD TIME (PLT) | | A | | | | A | | Record B, Block 24 |
| 0870 | PROVISIONING CONTRACT CONTROL NUMBER (PCCN) | | X | | | | X | | Records A through M, Block 1 |
| 0890 | PROVISIONING LIST ITEM SEQUENCE NUMBER (PLISN) | | X | | | | X | | Records A through M, Block 2 |
| 0900 | PROVISIONING NOMENCLATURE | | A | | | | A | | Record K, Block 91, Change Field Length to 42X |
| 0930 | QUANTITY PER ASSEMBLY (QPA) | | X | | | | X | | Record C, Block 32 |
| | OPTION 1 | | X | | | | X | | |
| 0950 | QUANTITY PER END ITEM (QPEI) | | X | | | | X | | Record C, Block 33 |
| | OPTION 1 | | X | | | | X | | |
| 1030 | REFERENCE DESIGNATION | | A | | | | A | | Record D, Block 44, Change Field Length to 29X |
| | OPTION 1 | | A | | | | A | | Required for Electronic Items having Circuit Symbol Numbers |
| 1040 | REFERENCE DESIGNATION CODE (RDC) | | A | | | | A | | Record D, Block 46 |

Figure (7) (Continued)
LMI Worksheet

Appendix G

| DPDN | DATA PRODUCT TITLE | DATA PRODUCT DELIVERABLES | | | | | | | ADDITIONAL INFORMATION |
|------|--|---------------------------|-----|------|------|------|-----|-------|--|
| | | LLTIL | PPL | ISIL | TTEL | SCPL | DCN | SLPPL | |
| 1050 | REFERENCE NUMBER | | X | | | | X | | Record A, Block 6 |
| 1060 | REFERENCE NUMBER CATEGORY CODE (RNCC) | | X | | | | X | | Record A, Block 7 |
| | REFERENCE NUMBER CATEGORY CODE - ARN | | A | | | | A | | |
| 1070 | REFERENCE NUMBER VARIATION CODE (RNVC) | | X | | | | X | | Record A, Block 8 |
| | REFERENCE NUMBER VARIATION CODE - ARN | | A | | | | A | | |
| 1150 | SAME AS PROVISIONING LIST ITEM SEQUENCE NUMBER (SAME AS PLISN) | | X | | | | X | | Record G, Block 38, Automatically assigned by ICAPS |
| 1190 | SHELF LIFE (SL) | | A | | | | A | | Record A, Block 13. Required when Source Code = PC |
| 1200 | SHELF LIFE ACTION CODE (SLAC) | | A | | | | A | | Record A, Block 14, Required when there is a Shelf Life |
| 1220 | SOURCE, MAINTENANCE AND RECOVERABILITY (SMR) CODE | | A | | | | A | | Record B, Block 22 |
| 1420 | TYPE OF CHANGE CODE (TOCC) | | A | | | | A | | Record A, Block 3 |
| 1470 | UNIT OF ISSUE (UI) | | X | | | | X | | Record B, Block 18 |
| 1480 | UNIT OF ISSUE CONVERSION FACTOR (UI CONVERSION FACTOR) | | A | | | | A | | Record B, Block 20, Required if UI not equal to EA |
| 1490 | UNIT OF ISSUE/UNIT OF MEASURE CODE | | A | | | | A | | |
| 1500 | UNIT OF ISSUE/UNIT OF MEASURE PRICE (UI/UM PRICE) | | A | | | | A | | Record B, Unit of Issue Price=Block 19. Unit of Measure Price=Block 17 (only if UM is assigned). |
| 1510 | UNIT OF MEASURE (UM) | | A | | | | A | | Record B, Block 16. Guidance for assignment provided at PGC. |
| 1560 | USABLE ON CODE (UOC) | | | | | | A | | Record D, Block 43 |
| | USABLE ON CODE - DESIGN CHANGE | | | | | | A | | |

SUPPLEMENTAL PROVISIONING DATA PRODUCTS

These Supplemental Data Products are not in the LMI Specification. See the narrative portion of this LMI Worksheet in the PMG for definitions and format requirements.

| SDPDN | DATA PRODUCT TITLE | DATA PRODUCT DELIVERABLES | | | | | | | ADDITIONAL INFORMATION |
|-------|--|---------------------------|-----|------|------|------|-----|-------|---|
| | | LLTIL | PPL | ISIL | TTEL | SCPL | DCN | SLPPL | |
| S005 | ALTERNATE NATIONAL ITEM IDENTIFICATION NUMBER (ALTNIN) | | A | | | | A | | 1 A/N |
| S008 | COMPONENT IDENTIFICATION DATA (CID)^ | | X | | | | X | | See the "Expanded Component Identification Data (CID) Format Table" Provided Below. |
| S009 | CONTROL DATA | | X | | | | X | | 10 A/N |
| S017 | LIST DATE SUBMITTED | | X | | | | X | | 8 N (MMDDYYYY) |
| S019 | MINIMUM REPLACEMENT UNIT (MRU)/FAILURE FACTOR II | | X | | | | X | | 3 N |
| S020 | NOMENCLATURE OR MODEL OR TYPE NUMBER | | X | | | | X | | 21 A/N |
| S021 | PROCUREMENT INSTRUMENT IDENTIFICATION (PII INCLUDING PIIN/SPIIN) | | X | | | | X | | 19 A/N |
| S029 | REPAIRABLE IDENTIFICATION CODE (RIC) | | A | | | | A | | 10 A/N |

EXPANDED COMPONENT IDENTIFICATION DATA (CID) FORMAT TABLE

| SDPDN | DATA PRODUCT TITLE | DATA PRODUCT DELIVERABLES | | | | | | | | | ADDITIONAL INFORMATION |
|-------|--|---------------------------|-----|------|------|------|-----|-------|-----|---------|--|
| | | LLTIL | PPL | ISIL | TTEL | SCPL | DCN | SLPPL | SPS | ADV RIC | |
| | HEADER DATA | | | | | | | | | | |
| 0870 | PROVISIONING CONTRACT CONTROL NUMBER (PCCN) | | X | | | | X | | | | 6 A/N |
| S021 | PROCUREMENT INSTRUMENT IDENTIFICATION (PII INCLUDING PIIN/SPIIN) | | X | | | | X | | | | 19 A/N |
| S020 | NOMENCLATURE OR MODEL OR TYPE NUMBER | | X | | | | X | | | | 21 A/N |
| S009 | CONTROL DATA | | X | | | | X | | | | 10 A/N |
| 0140 | PRIME COMMERCIAL AND GOVERNMENT ENTITY (CAGE CODE) | | X | | | | X | | | | 5 A/N |
| S031 | SUBMISSION CONTROL CODE (SCC) | | X | | | | X | | | | 5 N |
| S017 | LIST DATE SUBMITTED | | X | | | | X | | | | 6 A/N |
| S013 | FORMAT INDICATOR | | X | | | | X | | | | 2 A/N |
| S016 | 1ST KEY PCCN | | A | | | | A | | | | 6 A/N |
| S016 | 2ND KEY PCCN | | A | | | | A | | | | 6 A/N |
| S029 | REPAIRABLE IDENTIFICATION CODE (RIC) | | A | | | | A | | | | 10 A/N |
| S022 | PROJECT TYPE | | X | | | | X | | | | 1 A |
| S007 | CALCULATION | | X | | | | X | | | | 1 A |
| S028 | REMARKS | | A | | | | A | | | | 43 X L; For Advance RICs, the submitter must identify Date Advance RIC was requested and Scheduled date for complete PTD to be provided to the NAVSEA TSA. |
| | COMPONENT CHARACTERISTICS FILE (CCF) DATA | | | | | | | | | | |
| S008 | MFR | | X | | | | X | | | | 56 XL |
| S008 | NAVCOM PLAN | | A | | | | A | | | | 56 XL |

Figure (7) (Continued)
LMI Worksheet

| SDPDN | DATA PRODUCT TITLE | DATA PRODUCT DELIVERABLES | | | | | | | | | ADDITIONAL INFORMATION |
|-------|--|---------------------------|-----|------|------|------|-----|-------|-----|---------|----------------------------|
| | | LLTIL | PPL | ISIL | TTEL | SCPL | DCN | SLPPL | SPS | ADV RIC | |
| S008 | MFR DWG | | X | | | | X | | | | 56 XL(HM&E/ORDNANCE ONLY) |
| S008 | MFR ID | | X | | | | X | | | | 56 XL(HM&E/ORDNANCE ONLY) |
| S008 | PATTERN NO | | A | | | | A | | | | 56 XL(HM&E/ORDNANCE ONLY) |
| S008 | EQUIP SPEC | | A | | | | A | | | | 56 XL(HM&E/ORDNANCE ONLY) |
| S008 | NSN | | A | | | | A | | | | 56 XL |
| S008 | LAPL | | A | | | | A | | | | 56 XL (HM&E/ORDNANCE ONLY) |
| S008 | MARK | | A | | | | A | | | | 56 XL (ORDNANCE ONLY) |
| S008 | MODEL | | A | | | | A | | | | 56 XL (ORDNANCE ONLY) |
| S008 | NHA | | A | | | | A | | | | 56 XL (ELECTRONICS ONLY) |
| S008 | EIC | | A | | | | A | | | | 56 XL (ELECTRONICS ONLY) |
| S008 | COMMERCIAL NOMEN | | A | | | | A | | | | 56 XL (ELECTRONICS ONLY) |
| S008 | CONTRACT NO | | A | | | | A | | | | 56 XL (ELECTRONICS ONLY) |
| S008 | SOURCE OF APL INFO | | A | | | | A | | | | 56 XL (ELECTRONICS ONLY) |
| S008 | TECH MANUAL | | A | | | | A | | | | 56 XL (ELECTRONICS ONLY) |
| S008 | PROV PARTS LIST | | A | | | | A | | | | 56 XL (ELECTRONICS ONLY) |
| S008 | CHARACTERISTICS DATA | | X | | | | X | | | | 56 XL (UNLIMITED ENTRIES) |
| S008 | TECHNICAL MANUAL NUMBER | | A | | | | A | | | | 56 XL |
| S008 | CERTIFICATION DATA SHEET NO. | | A | | | | A | | | | 56 XL |
| | APPLICATION DATA | | | | | | | | | | |
| S008 | NEXT HIGHER ASSEMBLY (NHA) | | X | | | | X | | | | 25 XL |
| S008 | NEXT LOWER ASSEMBLY (NLA) | | A | | | | A | | | | 25 XL |
| S008 | NAVY HULL NOS./ACTIVITY UNIT IDENTIFICATION CODE (UIC) | | X | | | | X | | | | 6 XL |
| S008 | NUMBER OF COMPONENTS | | X | | | | X | | | | 4 XL |
| S008 | SERVICE APPLICATION DATA | | X | | | | X | | | | 32 XL |
| | CERTIFICATION DATA | | | | | | | | | | |
| S008 | POC DATA (NAME) | | X | | | | X | | | | 15 XL |
| S008 | POC DATA (ORGANIZATION/CODE) | | X | | | | X | | | | 15 XL |
| S008 | POC DATA (PHONE) | | X | | | | X | | | | 15 XL |

