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| Bath Iron Works <small>A GENERAL DYNAMICS COMPANY</small> | <h1>Appendix G</h1> | | |
| Title: <p style="text-align: center;">SUPPLEMENTAL REQUIREMENTS FOR GENERAL MATERIAL</p> <p style="text-align: center;">DDG 51 ARLEIGH BURKE CLASS and DDG 1000 ZUMWALT CLASS</p> | Rev. S | Date 3/20/08 | |

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| APPENDIX G HOME | GDBIW.com Forms & Appendices | REVISION HISTORY | | |
| <p style="text-align: center;">-</p> <p>SDRL CODE: L001, L002, L004 & L005 - PROVISIONING TECHNICAL DOCUMENTATION (PTD):</p> <p>PTD shall be submitted for equipment on the P.O. For equipment provisioned on a previous procurement, a Statement of Prior submission or Certificate of Identity (COI) may be submitted. For equipment not previously provisioned, a Provisioning Parts List (PPL), Item List Requirement (For DDG 53 through 84) and Design Change Notice, supported by complete PTD and Supplemental Provisioning Technical Documentation (SPTD) for DDG 53 through 84 and Engineering Data for Provisioning (EDFP) for DDG 85, Followships and DDG 1000 shall be submitted as described below:</p> <p>1. Statement of Prior Submission (SPS) (SDRL Code L002): SPS shall be completed in accordance with Paragraph 5.4 of the "NAVSEA Provisioning Requirement Technical Specification (PRTS) for Shipbuilding and Conversion Contracts" for DDG 53 through 67 or Paragraph 7.b of the "NAVSEA Statement of Work for Provisioning Technical Documentation (SOW for PTD) Requirements for Contractor Furnished Systems and Equipment in Shipbuilding and Conversion Contracts" for DDG 68 through 84 or paragraph 3.6 of the Program Manager's Guide, Provisioning Statement of Work (SOW) dated 8/99 DDG 85 and Follow-ships. Three (3) copies of the SPS shall be submitted to the Buyer in accordance with the schedule shown on the P.O.</p> <p>If a COI is provided in lieu of a SPS, the COI must be provided to the Buyer from the Seller and certify that the equipment being furnished under this purchase order is identical in all respects to that previously approved by the Government. The Seller shall complete all applicable lines of the COI using the form provided at the end of this appendix. Part I and Part IV must be completely filled out, signed by the Seller's Engineering Manager, and provided to the Buyer.</p> <p>2. Provisioning Parts List (PPL) (SDRL Code L001):</p> <p>PPL shall be completed in accordance with Paragraph 5.3.1 of the PRTS for DDG 53 through 67, or Paragraph 3 of the SOW for PTD for DDG 68 through 84, or Paragraph 3.4 of the PMG for DDG 85, Follow-ships and DDG 1000. Data required for the PPL for DDG 85, Follow-ships and DDG 1000 are indicated by an "X" in the LMI Worksheet, Figure (7). An "A" in the LMI Worksheet indicates data are to be entered if applicable. Figure (7) has been reproduced from the PMG and the "Additional Information" column refers to the PMG. Only the DPDN's and SDPDN's that require data have been included in Figure (7), other DPDN's and SDPDN's in the PMG do not re-quire data to be provided. Three (3) copies of the PPL shall be submitted to the Buyer in accordance with the schedule shown on the P.O. Submittals may be made using ICAPS as described in paragraph 4.4.1 of the PMG.</p> <p>3. Item List Requirement (SDRL Code L004):</p> | | | | |

The Item List Requirement, consisting of a Long Lead Time Item List (LLTIL) and a Interim Support Items list (ISIL) shall be submitted. The LLTIL shall be completed in accordance with DID DI-V-7004A and the ISIL shall be completed in accordance with DID DI-V-7006. Three (3) copies for each shall be submitted to the Buyer concurrently with the PPL. LLTIL and ISIL are not applicable to DDG 85 and Follow-ships.

4. Design Change Notice (DCN) (SDRL Code L005):

DCN shall be completed in accordance with Paragraph 5.3.16 of the PRTS for DDG 53 through 67 or Paragraph 17 of the SOW for PTD for DDG 68 for DDG 68 through 84 or Paragraph 3.19 of the PMG for DDG 85, Follow-ships and DDG 1000. Data required for the DCN for DDG 85, Follow-ships and DDG 1000 are indicated by an "X" in [the LMI Worksheet, Figure \(7\)](#). An "A" in the LMI Worksheet indicates data are to be entered if applicable. Figure (7) has been reproduced from the PMG and the "Additional Information" column refers to the PMG. Three (3) copies shall be submitted to the Buyer in accordance with the schedule shown on the P.O. Submittals may be made using ICAPS as described in paragraph 4.4.1 of the PMG.

5. SDRL CODE: L006, TOOLS AND TEST EQUIPMENT:

Provide one copy of a list which identifies all recommended special and general pur-pose test, measurements and diagnostic equipment, tools and ancillary items required for the proper operation, maintenance, test and repair of the equipment and/or its subassemblies in accordance with the delivery schedule shown on the P.O. The list shall include the following data for each item listed:

- a) Nomenclature
- b) Manufacturer's Part Number
- c) Quantity required

6. SDRL CODE: L008, PROTECTION AND PREVENTATIVE MAINTENANCE:

Provide one (1) copy of a description of the steps that must be taken by BIW after receipt of equipment to ensure that it is maintained in optimum condition during ship construction. Include periods of warehouse storage, installation, and test and operation of the equipment. Include the frequency of maintenance and all handling and storage requirement (e.g. environmentally controlled warehouse, use of protective covers). List all special tools, general tools, test equipment, lubricants and preservatives (including the MIL-SPEC or commercial specification grade), or other information necessary to perform preventative maintenance. Delivery shall be in accordance with the schedule shown on the P.O.

7. SDRL CODE: L009, L010, L012, L013, L014, L015 & L021 - TECHNICAL MANUALS (TM):

- a. Requirements: TM's shall be provided for the equipment on the P.O. Existing, commercial, changed, or new manuals may be applicable as described below and shall be in accordance with the specified TMCR'S:

1. Existing Manuals (SDRL Code L009):

If material being supplied is identical to that previously provided under another Navy contract, and a valid Navy-approved TM (with a TMIN assigned) exists, then two (2) copies of the existing manual shall be submitted three (3) weeks after P.O. placement.

2. Change Pages to Existing Manuals (SDRL Code L012):

If material being supplied varies slightly from that previously provided under another Navy contract, a [TMDP](#) and permanent change pages shall be developed to an existing, Navy approved TM in accordance with TMCR's NDMS-890320-000 and 890320-011, for DDG 59 through 76, TMCR NDMS-940021-000 for DDG 77 through 81, TMCR NDMS-960087-000 for DDG 83 through 87 or TNCR NDMS-970157-000 for DDG 90 and Follow-ships. Nineteen (19) copies of each shall be submitted to the Buyer for review and approval along with 11 copies of the TMDP (L010) in accordance with the delivery schedule shown on the P.O.

3. Commercial Manuals (SDRL Code L021):

If off-the-shelf commercial manuals exist, ten (10) copies shall be submitted to the Buyer for review and approval, along with the TMDP (L010) in accordance with the delivery schedule shown on the P.O. Commercial manuals shall be in accordance with TMCR's NDMS-890320-000 and 890320-011 for DDG 59 through 76, TMCR NDMS-940014-000 for DDG 77 through 81, TMCR NDMS-960080-000 for DDG 83 through 87, or TMCR NDMS-970151-000 for DDG 90 and Follow-ships.

4. New Equipment Technical Manuals:

New equipment TM's shall only be developed when no existing Navy manual, or acceptable commercial manual applies. When new TM's are required, a TMDP (L010) Figure 5, Manuscript or Review Draft Copy (RDC) (L013), preliminary manual (L014), and camera ready copy or Final Reproducible Copy (FRC) (L015) shall be submitted in accordance with the schedule shown on the P.O. A validation Certificate, Figure 6, shall be submitted with the preliminary manual.

a) TMDP (SDRL Code L010):

Eleven (11) copies of a TMDP shall be completed in accordance with TMCR NDMS-890320-000 for DDG 59 through 76, TMCR NDMS-940015-000 for DDG 77 through 81, TMCR NDMS-960081-000 for DDG 83 through 87, or TMCR NDMS-970152-000 for DDG 90 and Follow-ships for review and approval prior to beginning TM development. Completed TMDP shall be submitted to the Buyer in accordance with the delivery schedule shown on the P.O. Upon Buyer approval, TM development may begin.

b) Manuscript or RDC (SDRL Code L013):

For DDG 59 through 76 a manuscript TM shall be developed in accordance with TMCR's NDMS-890320-000 and 890320-004. An RDC shall be developed in accordance with TMCR NDMS-940015-000 for DDG 77 through 81, TMCR NDMS-960081-000 for DDG 83 through 87, or TMCR NDMS-970152-000 for DDG 90 and Follow ships. Sixteen (16) copies shall be submitted to the Buyer for review and approval in accordance with the delivery schedule shown on the P.O.

c) Preliminary Manual (SDRL Code L014):

The preliminary TM shall be based upon the approved manuscript or RDC (L013) and developed in accordance with TMCR NDMS-890320-000 and 89-320-004 for DDG 59 through 76, TMCR NDMS-940015-000 for DDG 77 through 81, TMCR NDMS-960081-000 for DDG 83 through 87, or TMCR NDMS-970152-000 for DDG 90 and Follow-ships. Nineteen (19) copies shall be submitted to the Buyer in accordance with the de-liv-ery schedule shown on the P.O.

d) Validation Certificate:

The Validation Certificate shall be completed in accordance with TMCR NDMS-890320-000 for DDG 59 through 76, TMCR NDMS-940015-000 for DDG 77 through 81, TMCR NDMS-960081-000 for DDG 83 through 87, or TMCR NDMS-970152-000 for DDG 90 and Follow-ships. Two (2) copies shall be submitted to the Buyer concurrently with the preliminary TM.

e) Camera Ready Copy (CRC) or Final Reproducible Copy (FRC) (SDRL Code L015):

For DDG 59 through 76, a CRC consisting of text pages, and all original art-work, shall be based upon the approved preliminary TM (L014) and developed in accordance with TMCR's NDMS-890320-000 and 890320-004. An FRC consisting of text pages, and all original artwork, shall be based upon the approved preliminary TM (L014) and developed in accordance with TMCR NDMS-940015-000 for DDG 77 through 81, TMCR NDMS-960081-000 for DDG 83 through 87, or TMCR NDMS-970152-000 for DDG 90 and Follow-ships.

Eight (8) copies with one (1) reproducible shall be submitted in accordance with the delivery schedule shown on the P.O. Also, SGML compliant digital media shall be provided in accordance with TMCR NDMS-940015-000, paragraphs 3.5.5, 3.5.5.1 and 3.5.5.1.1 for DDG 77 through 81, TMCR NDMS-960081-000, paragraphs 3.4.5, 3.4.5.1 and 3.4.5.1.1 for DDG 83 through 87, or TMCR NDMS-970152-000, paragraphs 3.1.5, 3.1.5.1 and 3.1.5.1.1 for DDG 90 and Follow-ships.

SDRL CODE: L022 TECHNICAL PUBLICATIONS:

Comply with the requirements of [specification 086-01](#), for all Technical Publications.

