



Acquisition Directorate

Boat Acquisition Program

RB-S III

TDP Option Selection Worksheet

2D Drawings

BOAT ACQUISITION PROGRAM (CG-SEA-A5)
USCG HEADQUARTERS

2703 MARTIN LUTHER KING JR. AVENUE SE
WASHINGTON, D.C., 20593

TDP OPTION SELECTION WORKSHEET

SYSTEM: <i>RB-S III</i>		DATE PREPARED: <i>08/26/2026</i>	
A. CONTRACT # <i>TBD</i>	B. EXHIBIT/ATTACHMENT # <i>Section C Attachment 2</i>	C. CLIN <i>X007 (OY2)</i>	D. DELIVERABLE ITEM # <i>TBD</i>
1. TDP LEVEL (CHOOSE ONLY ONE PER WORKSHEET). Note: The level selected must coincide with the requirements of the elements selected in block 5.			
A. ☐ CONCEPTUAL LEVEL ☐ DEVELOPMENTAL LEVEL ☒ PRODUCT LEVEL		B. REMARKS: Product-level TDP in accordance with MIL-STD-31000.	
2. TYPE AND FORMAT (X all that apply and complete as applicable.)			
A. ☒ TYPE 2D: 2D DRAWINGS (describe in detail in remarks below or in block 11): ☒ NATIVE 2D CAD (SPECIFY TYPE): <i>AutoCAD® 2025-compatible .dwg.</i> ☒ ISO 32000 PDF ((Multi-sheet 2D PDFs extracted from Paper Space layouts.)) ☒ HARD COPY ☐ OTHER FORMAT (SPECIFY TYPE): _____			
REMARKS : Multi-sheet PDFs extracted from Paper Space layouts shall fully disclose boat geometry and required dimensions without reliance on separate bend/cut/burn sheets.			
B. ☐ TYPE 3D: 3D MODEL BASED (describe in detail in remarks below or in block 11): ☐ NATIVE 3D CAD (SPECIFY TYPE): _____ ☐ 3Di VIEWABLE* FORMAT DERIVED FROM 3D NATIVE MODELS (Specify type, i.e. ISO 32000 PDF etc.). ☐ NEUTRAL FORMAT DERIVED FROM 3D NATIVE MODELS (Specify type, i.e. STEP AP203, AP 214 etc.). ☐ 2D DRAWINGS DERIVED FROM 3D NATIVE MODELS (Specify type, i.e. ISO 32000 PDF etc.). ☐ OTHER FORMAT (SPECIFY TYPE): _____			
*NOTE: 3Di viewable will be in ISO 32000 pdf format unless otherwise specified.			
REMARKS :			
3. CAGE CODE AND DOCUMENT NUMBERS		A. ☐ CONTRACTOR CAGE & DOCUMENT NUMBERS ☒ GOVERNMENT CAGE & DOCUMENT NO. (COMPLETE 3B, 3C, AND 3D)	
B. USE CAGE CODE: <i>See 3.C.</i>	C. USE DOCUMENT NUMBERS: <i>Per COMDTINST 9085.1 (series) and ESWBS (first 3 digits).</i>		D. TO BE ASSIGNED BY: <i>See 3.C.</i>
4. DRAWING FORMATS AND/OR 3Di PDF FORMAT (X one and complete as applicable)			
☐ CONTRACTOR FORMAT ☒ GOVERNMENT FORMAT			
REMARKS: USCG Standard Drawing Border Templates (SFLC standard templates) shall be used on all drawings. Template blocks shall not be modified without prior USCG authorization, except STINFO and limited-rights markings.			
5. TDP ELEMENTS REQUIRED (X all that apply)			
☐ ELEMENTS REQUIRED TO BE DETERMINED BY CONTRACTOR OR THE FOLLOWING ARE REQUIRED:			
☐ CONCEPTUAL ENGINEERING DESIGN DATA ☐ DEVELOPMENTAL ENGINEERING DESIGN DATA AND ASSOCIATED LISTS ☒ PRODUCT ENGINEERING DESIGN DATA AND ASSOCIATED LISTS ☐ COMMERCIAL ENGINEERING DESIGN DATA AND ASSOCIATED LISTS ☐ SPECIAL INSPECTION EQUIPMENT (SIE) ENGINEERING DESIGN DATA AND ASSOCIATED LISTS ☐ SPECIAL TOOLING ENGINEERING DESIGN DATA AND ASSOCIATED LISTS ☒ SPECIFICATIONS ☒ SOFTWARE DOCUMENTATION ☐ SPECIAL PACKAGING INSTRUCTIONS (SPI) ENGINEERING DESIGN DATA AND ASSOCIATED LISTS ☐ QUALITY ASSURANCE PROVISIONS (QAPs)			

6. APPLICABILITY OF STANDARDS. The following Standards apply: (X as applicable)				
☐ ASME Y14.100 ENGINEERING DRAWING PRACTICES WITH APPENDICES: ☐ B ☐ C ☐ D ☐ E Company stds permitted? Y/N	☐ ASME Y14.24 TYPES AND APPLICATIONS OF ENGINEERING DRAWINGS ☐ ASME Y14.34 ASSOCIATED LISTS ☐ ASME Y14.35 REVISION OF ENGINEERING DRAWINGS AND ASSOCIATED DOCUMENTS ☐ ASME Y14.41 DIGITAL PRODUCT DEFINITION DATA PRACTICES ☐ ASME Y14.5 DIMENSIONING AND TOLERANCING	☒ OTHER STANDARDS APPLY AS DESCRIBED: • COMDTINST 9085.1D, Naval Engineering Computer Aided Design Standards • SFLC Technical Standard TS-085, Engineering Drawings, Models & Illustrations • MIL-STD-31000, Technical Data Packages		
7. ASSOCIATED LISTS (X all that apply and complete as applicable.)				
A. ☒ PARTS LISTS (X ONE)*	☒ (1) INTEGRAL	☐ (2) SEPARATE	☐ (3) CONTRACTOR SELECT	
B. ☒ DATA LISTS	☒ REQUIRED (Specify Levels of ASSY) As required			
C. ☒ INDEX LISTS	☒ REQUIRED (Specify Levels of ASSY) As required			
D. ☒ WIRING LISTS	☒ (1) INTEGRAL	☐ (2) SEPARATE	☐ (3) CONTRACTOR SELECT	
E. ☒ APPLICATION LISTS	☒ (1) INTEGRAL	☐ (2) SEPARATE	☐ (3) PLM MAINTAINED	☐ (4) CONTRACTOR SELECT
F. ☐ OTHER	☐ REQUIRED (Specify Levels of ASSY) _____			
*NOTE: USE OF SEPARATE PARTS OR WIRING LISTS ARE NOT RECOMMENDED ESPECIALLY WITH TYPE 3D TDPS.				
8. TDP DATA MANAGEMENT PRODUCTS				
A. ☒ TECHNICAL DATA PACKAGE LIST (TDPL) ☐ SOURCE CONTROL APPROVAL REQUEST ☒ DOCUMENT NUMBER ASSIGNMENT REPORT ☒ PROPOSED CRITICAL MANUFACTURING PROCESS DESCRIPTION ☐ ENGINEERING DRAWING TREE ☐ TO LOWEST REPAIRABLE UNIT (LRU) LEVEL ☐ TO LOWEST COMPONENT LEVEL ☐ OTHER (DESCRIBE): _____			B. REMARKS:	
9. TDP METADATA				
☐ TDP METADATA REQUIRED (describe requirements):				
10. TDP SUPPLEMENTARY DATA				
☐ TDP SUPPLEMENTARY DATA REQUIRED (describe requirements):				
11. OTHER TAILORING (Attach additional sheets as necessary)				
The following tailoring applies to all RB-S III 2D Product Drawings: 11.1 AutoCAD Environment and File Structure 11.1.1 All drawings shall be AutoCAD® 2025-compatible DWG files. 11.1.2 All sheets of a drawing shall be in a single DWG file using Layout Tabs. 11.1.3 Each sheet shall have its own Layout Tab named with the sheet identifier (e.g., "1", "2", "3"). 11.1.4 All sheets of a drawing shall be the same size unless explicitly authorized by USCG. 11.1.5 Drawing sizes A-D shall be used. 11.1.6 All drawings shall be of sufficient clarity so that when they are reduced from original size to 11 x 17 inches ("B" size), they shall be fully legible. 11.2 View Titles 11.2.1 For A/B sheets, view titles shall include sheet number + letter (e.g., "Detail 2-A" for first view on Sheet 2). 11.2.2 For C/D sheets, view titles shall include zone number + letter (e.g., "Detail 6-B"). 11.3 Prohibition of X-REFs and Proxy Graphics 11.3.1 All geometry, details, and metadata shall be contained within the drawing file. 11.3.2 External references (X-REFs) and proxy graphics shall not be present in delivered files. 11.3.3 Imported blocks/details shall be converted to fully editable AutoCAD entities. 11.4 Model Space / Paper Space Usage 11.4.1 All geometry shall be drawn in Model Space at 1:1 scale. 11.4.2 Views shall be shown via Paper Space viewports at appropriate scales. 11.4.3 Text, dimensions, and notes (including weld symbols) shall be created in Paper Space. 11.4.4 PDF sheets shall be generated from Paper Space layouts; each sheet shall normally derive from one layout tab with the correct border and title block. 11.4.5 PDFs shall be suitable for operator use with standard PDF viewer software.				

11.5 Use of 3D Design Models

- 11.5.1 If a 3D CAD design is used, 2D product drawings shall be distilled from the native 3D model into AutoCAD-compatible, fully editable DWG files.
- 11.5.2 Each drawing file shall contain all necessary geometry, annotations, and metadata in Model Space and Paper Space; no X-REFs in delivered files.
- 11.5.3 2D Product Drawings remain the primary governing deliverables.

11.6 Removal of Unused Geometry

- 11.6.1 3D elements or other geometry not visible in any viewport shall be removed from delivered DWG files.
- 11.6.2 Each drawing should contain only the geometry needed to disclose the content of that drawing.

11.7 Datum and Modules

- 11.7.1 The boat shall have a single datum (e.g., "Fr 0, Baseline, Centerline").
- 11.7.2 This datum shall be shown wherever present in a viewport.
- 11.7.3 Each 3D-derived element shall be referable to that datum.
- 11.7.4 If modules are used, each module drawing shall show the module in its in-service position and orientation and note its location relative to the boat datum.

11.8 Callout Blocks

- 11.8.1 GFI-provided blocks shall be used for weld symbols, view callouts, section arrows, scales, and similar elements.
- 11.8.2 "Callout Table" fields shall be populated as follows:
 - 11.8.2.1 View Type: Plan/Profile/Elevation/Section/Detail/Isometric/Schematic as appropriate.
 - 11.8.2.2 Zone: numeric + alpha (e.g., "6-B"), based on view location.
 - 11.8.2.3 View Description: cutting plane or clarifying text (e.g., "Frame 23 Lkg Aft", "Plating Not Shown").
 - 11.8.2.4 View Scale: inches per foot or inches (English), or decimal ratio (metric).
 - 11.8.2.5 View Callout Reference: zone of the annotation or cut arrow from which the view was derived (optional when not derived from another view).

11.9 Material Lists

- 11.9.1 One continuous Material List per drawing, continued on subsequent sheets as required.
- 11.9.2 All components used to build the boat and installed on or delivered with the boat (including bulk materials such as adhesives; excluding welding consumables) shall appear on a Material List.
- 11.9.3 Required fields per item include at least:
 - 11.9.3.1 Item Revision Letter
 - 11.9.3.2 Drawing Item Number
 - 11.9.3.3 OEM (manufacturer)
 - 11.9.3.4 OEM description / salient characteristics
 - 11.9.3.5 OEM part number, National Stock Number (if available), or National Item Identification Number (if available).
 - 11.9.3.6 Material
 - 11.9.3.7 Quantity and Units
 - 11.9.3.8 Note/Comment
- 11.9.4 Use English units for quantities; SI material characteristics may be included where needed.
- 11.9.5 Sheet metal thickness shall be expressed in decimal units (not gage).
- 11.9.6 Distributors' part numbers may be used only when salient characteristics are defined in the description and shall include the words "or equal."

11.10 Schematic Diagrams

- 11.10.1 Piping and electrical schematics shall be included for each system.
- 11.10.2 Drawings combining arrangements and schematics shall be titled "... Arrangement and Schematic" or similar.
- 11.10.3 Schematics are not to scale; components and interconnections shall be arranged for clarity.
- 11.10.4 Symbol sizes shall be consistent; each schematic shall include a symbol list.
- 11.10.5 All functionally significant components (valves, disconnectable joints, switches, breakers, fuses, junctions, terminal strips) shall be depicted; permanent welded/threaded joints need not be shown.
- 11.10.6 Hose vs pipe shall be distinguishable; flow direction, quantities, pressures, and sizes shall be shown as text or in tables.
- 11.10.7 Electrical schematics shall show cable types, gauges, circuit protection, and component ratings.
- 11.10.8 Schematics shall not have a Material List; they may have component lists for clarity but the authoritative bill of material resides on arrangement drawings.
- 11.10.9 Components shown on schematics shall also appear on arrangement drawings and in their Material Lists; schematics shall include a reference table of drawings that locate/order the components.
- 11.10.10 Harnesses may be indicated on schematics; separate harness drawings with true wire lengths shall be provided when harnesses are used. Harness drawings may have Material Lists and weight blocks; arrangement drawings may list the harness as a single part and reference the harness drawing.

11.11 Dimensions

- 11.11.1 Use named dimension styles for each scale; names should indicate scaling factor (e.g., "P48" for DIMLFAC=48).
- 11.11.2 Dimensions shall be associative and shall not be exploded.
- 11.11.3 Non-associative dimensions shall be minimized.
- 11.11.4 Redundant dimensions are allowed when associative to the same geometry; otherwise, they shall be labeled "Ref." with a view/drawing reference.
- 11.11.5 For structural/arrangement dimensions:
 - 11.11.5.1 < 72" use inches and fractions (CG-FRAC styles);
 - 11.11.5.2 ≥ 6'-0" use feet-inches-fractions (CG-ARCH styles).
- 11.11.6 Fractions shall be displayed unstaked (e.g., "1/4") in dimensions, notes, and Material Lists.
- 11.11.7 Units and precision shall be chosen appropriate to the tolerance needed.

11.12 Revision Column

11.12.1 The revision column shall be kept clear of tables, viewports, or other material except the title block elements and standard revision entries on Sheet 1.

11.12.2 Revision identification and approval processes shall follow COMDTINST 9085.1 (series) as follows:

11.12.2.1 Initial Contractor submissions for USCG review and approval shall use numeric revision indicators (1, 2, 3, ...).

11.12.2.2 Upon USCG approval of the drawing(s), the Contractor shall remove numeric revisions and associated write ups, change all sheets to Rev " ", and apply the USCG approval signature as directed.

11.12.2.3 There shall be no addendum sheets (e.g., 3A, 3B) in the final USCG approved Rev " " submissions.

11.12.2.4 After USCG approval, subsequent revisions shall use alphabetical revision letters ("A", "B", etc.), excluding I, O, Q, S, X, and Z, increasing incrementally with each revision.

12. PROCURING ACTIVITY TITLE, SIGNATURE AND DATE**TITLE:****SIGNATURE:****DATE:**