

# **SUMMARY OF SIGNIFICANT CHANGES TO MLCA STANDARD SPECIFICATIONS FROM 1999 TO 2001 EDITION**

1. This document contains summaries of some of the significant changes made to each of the previous (1999 Edition) MLCA Standard Specifications. This summary does not list all of the changes made. To become familiar with the new standards, one must read them thoroughly. Some universal changes include, but are not limited to the following:

- Removal of author codes from the specification filenames.
- Shortening of the subject identifying SWBS codes from five to four numbers.
- Removal of the reiterations of the requirements for tag-outs, gas-free certifications, and interference removal and reinstallation from individual standard specifications, due to the fact that such requirements are covered by the "General Requirements" standard specification and need not be reiterated in other Standard Specifications (Stating these requirements once in a contract specification is legally sufficient).
- Removal of informative texts (i.e. texts addressed to Coast Guard Inspectors or Units) to the "Notes" Section of the applicable specification.

## **NOTICE**

<p>All appendices, sections, or paragraph numbers addressed in this document correspond to the 1999 Edition, unless otherwise stated.</p>
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## **Summary of Changes to MLCA Standard Specification 00000U\_STD, General Requirements, 1999 Edition**

### **3. REQUIREMENTS**

1. Moved definitions (para. 3.2 through 3.2.44) from the Requirements Section to the Notes Section of the Standard Specification. Also, deleted those covered in other (specific subject matter area) Standard Specifications and the Master Solicitation (e.g., Wet Film Thickness).
2. Added simplified verbiage for Contractor to provide a 'Planning document'; this replaces the requirements of MLCA Standard Specifications 04200M\_STD, Prepare and Provide Critical Path method Production Control Chart, and 04210M\_STD, Prepare and Provide Gantt Chart and Work Force Loading, both 1999 Edition.
3. Updated 'Gas Freeing' verbiage (para. 3.3) for current CFR and combined into one subsection.
4. Modified Tag out verbiage and added requirements for Contractor to sign tag-out log & tags.
5. Deleted VOC Compliance Plan (para. 3.5 through 3.5.4); covered in more detail by Master Solicitation.
6. Added simplified verbiage to handle interferences; this replaces MLCA Standard Specification 07000N\_STD, Interferences, 1999 Edition.
7. Updated and simplified minimum requirements for Vessel Access to meet CFR requirements, at the Contractor's facility.
8. Updated requirements for Pier or Wharf Facility; also detailed water depth requirements.
9. Updated requirements for Toilet and Shower facilities (para. 3.8 through 3.8.3) to include complete HVAC requirements. Removed duplicated verbiage.

10. Simplified requirements for Coast Guard Inspection (3.17) notification and co-located with Reports subsection.
11. Updated and consolidated Reports (subsection 3.9) requirements.
12. Deleted verbiage for the Arrival Conference (para. 3.10 through 3.10.2.6) and Progress Meetings (subsection 3.11 through 3.11.2); covered in more detail by Master Solicitation and Vessel Contracting documents submitted to Contractor after the award.
13. Moved Protective Deck Covering material requirements from MLCA Standard Specification 99210U\_STD, Temporary Logistics to this Standard, because temporary deck coverings are necessary during all availabilities, to protect decks against damage or contamination that may be incurred by contract work.
14. Temporary covering is to protect the vessel's decks during contracted work, not for ship's force work.
15. Hazardous wastes simplified to include Asbestos and Lead abatement requirements only. Hazardous Waste Management plan deleted, as it is covered in more detail by Master Solicitation.
16. Added Housekeeping sub-paragraphs from General Requirements work item.
17. Modified Assignment of Fire Watch Personnel (subsection 3.13 through 3.13.2).
18. Modified Removals (para. 3.14 through 3.14.5) into a Restorations and Operational Testing sections. Elaborated on Operational Testing, to include pre-testing. Deleted Access cuts (para. 3.14.4); covered in individual work item that requires it and directly refers to the appropriate Standard Specification.
19. Consolidated Dock and sea trials (para. 3.15 through 3.15.2).

20. Simplified Labor and Materials (para. 3.16 through 3.16.2) and merged with Use of recoverable materials (para. 3.19) into a Contractor-furnished materials section.

21. Simplified Heavy Weather Plan verbiage (para. 3.18 through 3.18.12).

#### 4. QUALITY ASSURANCE

22. Merged and simplified Tests and inspections (para. 4.1) and Responsibility (para. 4.1.1).

#### 5. NOTES

23. Deleted Hazardous waste management (para. 5.2); covered in more detail by the Master Solicitation.

Simplified Coast Guard Inspector responsibilities (para. 5.5 through 5.5.7) in to bullet format

**Summary of Changes to MLCA STD SPEC 04200M\_STD, Prepare and Provide Critical Path Method Production Control Chart, 1999 Edition**

MLCA Std Spec 04200M\_STD has been cancelled. The submittal of a CPM production chart is no longer required. Requirements for planning documents are now part of the "General Requirements" standard specification.

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**Summary of Changes to MLCA STD SPEC 04210M\_STD, Prepare and Provide Gantt Chart with Work Force Loading, 1999 Edition**

MLCA Std Spec 04210M\_STD has been cancelled. The submittal of a Gantt chart is no longer required. The requirement for a planning document is now a part of the "General Requirements" standard specification.

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**Summary of Significant Changes to MLCA STD SPEC 07000N\_STD, Handle Interferences, 1999 Edition**

MLCA Std Spec 07000N\_STD has been cancelled. All interference-related language has been moved to the "General Requirements" standard specification.

## **Summary of changes to MLCA Standard Specification 07400F\_STD, Requirements for Fabrication Welding, Brazing, Inspection and Documentation, 1999 Edition**

### **GENERAL**

The MLCA Welding and Allied Processes standard has been significantly revised. As a result of MLCA authorizing use of commercially established regulatory agency welding practices, the 1999 Edition included numerous requirements, primarily intended to re-emphasize critical processes contained within referenced documents and to educate Contractors and the Naval Engineering community. These paragraphs have been deleted, and appropriate references included in the revised standard to ensure continued compliance with all commercial and military welding codes. The primary changes include:

- Removal of re-emphasis of requirements and "nice to know" information.
- Combination of Appendix A (Commercial Standards Welding) and Appendix B (American Bureau of Shipping) into one Appendix (Commercial Welding Standards).
- Combination of Appendix C (Fabrication Welding and Inspection ), Appendix D (Fabrication Welding and Inspection of Machinery, Piping and Pressure Vessels), and Appendix E (Brazing and Inspection of Piping Systems) into one Appendix (Welding and Inspection - Naval Sea Systems Command and Military Standards)

## **Summary of Changes to MLCA Standard Specification 10010S\_STD, Temporary Hull Accesses, 1999 Edition**

### **1. SCOPE**

Revised scope to reflect installation and removal of temporary accesses.

### **2. APPLICABLE DOCUMENTS**

1. Removed MLCA Standard Specification 19210S\_STD, Structural Boundary Tests (Standard cancelled and combined with 2001 Standard Specification 0740\_STD, Welding and Allied Processes).
2. Removed AWS D3.5 and D3.7 Welding Guides (replaced by 2001 MLCA Standard Specification 0740\_STD)

### **3. REQUIREMENTS**

1. Revised paragraph 3.2 (Drawing submission), to bullet data submission requirements and include Contractor plans for removal and reinstallation of interferences.
2. Moved paragraph 3.3 (and most subparagraphs) from requirements section to Notes. These requirements are controlled by the applicable welding codes (AWS, ASME, ABS or MIL-STD), and referenced within 0740\_STD, but should be addressed by the Contractors' drawing submission.
3. Deleted paragraph 3.3.4 (Types and minimum dimensions) and Table I (Access cut types and minimum dimensions). Access cuts boundary requirements are detailed by applicable welding codes, and required by 0740\_STD.
4. Deleted paragraph 3.4 (Lay out and cutting).

5. Combined paragraphs 3.5 (Temporary precautions) and 3.6 (Ship integrity maintenance), with minor changes to coaming and watertight closure requirements.
6. Removed AWS welding guides from paragraph 3.7 (Closure plate restoration).

#### 4. QUALITY ASSURANCE

Revised paragraph 4.1 (Welding and NDT), 4.2 (Hose tests), and 4.3 (Closure) to reference MLCA Standard Specification 0740\_STD, Welding and Allied Processes, for all welding requirements, NDT inspections, hose tests and closure tests.

#### 5. NOTES

Included Access cut boundaries as reference information.

## **Summary of changes to MLCA Standard Specification 12310U\_STD, Clean, Inspect, and Preserve Tank(s), 1999 Edition**

MLCA Std Spec 12310U\_STD has been cancelled. All related requirements have been moved to the following work items, as applicable:

- Open and Inspect Tank(s).
- Clean and Inspect Tank(s).
- Preserve Tank(s) - NOTE: This will include ALL Preservation: Minor Coating Repairs (<50%) and Full Preservation (100%), based on Inspection determination.

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## **Summary of Significant Changes to MLCA STD SPEC 16700S\_STD, Renew Doors, Hatches, and Scuttles, 1999 Edition**

MLCA Std Spec 16700S\_STD has been cancelled. All related requirements have been incorporated into a Fleet Managed Item.

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## **Summary of Significant Changes to MLCA STD SPEC 19210S\_STD, Structural Boundary Tests, 1999 Edition**

MLCA Std Spec 19210S\_STD has been cancelled. Structural boundary tests and additional requirements have been moved into the 2001 MLCA Standard Specification, 0740\_STD, Welding and Allied Processes, Appendix C, Structural Boundary Tests and Non-destructive Inspection.

# Summary Of Changes To MLCA Standard Specification 23500O\_Std, Clean, Inspect, Varnish-Treat, And Test Propulsion Generators And Motors, In-Place, 1999 Edition

## GENERAL

This standard specification has been revised both in format and contents. All paragraph numbers for revised texts apply to the 1999 edition, and all paragraph numbers for added texts apply to the 2001 edition.

### Title

Title has been revised to Include SSDG's & EDG's

## 1. SCOPE

1. Revised paragraph 1.1 (Scope) to include SSDG's and EDG's.
2. Added paragraph 1.2 (Alternate terminology) to define the term "machine".

## 3. REQUIREMENTS

1. Revised paragraph 3.4.3 (Air gaps), and renamed paragraph "Air gap clearances".
2. Revised paragraph 3.4.4 (Visual inspections). Added text for SSDG's & EDG's.
3. Revised paragraph 3.13.1 (Brush installation) and renamed paragraph "Brush renewal".
4. Revised paragraph 3.14 (Commutator film restoration).
5. Added paragraph 3.4.7 (Alignment) for propulsion generators, SSDG's & EDG's.
6. Added paragraph 4.2 (Ship service and emergency generator load test) for EDG's & SSDG's.

## **Summary Of Changes To MLCA Standard Specification 235100\_Std, Clean, Inspect, And Test Main Propulsion Generator(s) And/Or Motor(s), 1999 Edition**

1 This standard specification has been revised both in format and contents, to incorporate all shop repair standards previously specified in the following specifications:

- MLCA Std Spec 235200\_STD, Repair Main Propulsion Generator and/Or Motor Insulation
- MLCA Std Spec 235300\_STD, Rebuild Main Propulsion Generator And Motor Commutator
- MLCA Std Spec 235400\_STD, Rewind Main Propulsion Generator And/Or Motor Armature
- MLCA Std Spec 235500\_STD, Rewind Main Propulsion Generator And/Or Motor Main Field Windings

2. The title has been changed to "Overhaul Main Propulsion Generators and Motors".

**Summary Of Changes To MLCA Standard Specification  
235200\_Std, Repair Main Propulsion Generator and/Or Motor  
Insulation, 1999 Edition**

MLCA Std Spec 235200\_STD has been cancelled. All previous contents/requirements have been incorporated into MLCA Std Spec 2351\_STD, Overhaul Main Propulsion Generators and Motors, 2001 Edition.

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**Summary Of Changes To MLCA Standard Specification  
235300\_Std, Rebuild Main Propulsion Generator And Motor  
Commutator, 1999 Edition**

MLCA Std Spec 235300\_STD has been cancelled. All previous contents/requirements have been incorporated into MLCA Std Spec 2351\_STD, Overhaul Main Propulsion Generators and Motors, 2001 Edition.

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**Summary Of Changes To MLCA Standard Specification  
235400\_Std, Rewind Main Propulsion Generator  
And/Or Motor Armature, 1999 Edition**

MLCA Std Spec 235400\_STD has been cancelled. All related requirements have been incorporated into MLCA Std 2351\_STD, Overhaul Main Propulsion Generators and Motors, 2001 Edition.

**Summary Of Changes To MLCA Standard Specification  
235500\_Std, Rewind Main Propulsion Generator And/Or Motor  
Main Field Windings, 1999 Edition**

MLCA Std Spec 235500\_STD has been cancelled. All related requirements have been incorporated into MLCA Std 2351\_STD, Overhaul Main Propulsion Generators and Motors, 2001 Edition.

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**Summary Of Changes To MLCA Standard Specification  
235600\_Std, Rewind Main Propulsion Generator and/or Motor  
Interpole (Commutating) Field Windings 1999 Edition**

MLCA Std Spec 235600\_STD has been cancelled. All related requirements have been moved into new Fleet Managed Item.

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**Summary Of Changes To MLCA Standard Specification  
25610D\_STD, Clean and Test Heat Exchangers, 1999 Edition**

MLCA Std Spec 25610D\_STD has been cancelled. All related requirements have been incorporated into to a Fleet Managed Item (25610N\_FLT).

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**Summary Of Changes To MLCA Standard Specification  
25620D\_STD, Clean and Test Grid Coolers, 1999 Edition**

MLCA Std Spec 25620D\_STD has been cancelled. All related requirements have been incorporated into to a Fleet Managed Item (25620N\_FLT).

# **Summary Of Changes To MLCA Standard Specification 314100\_Std, Overhaul Electrical Rotating Machines, 1999 Edition**

## **Title**

Title has been revised to Include SSDG's & EDG's

## **1. SCOPE**

1.1 Scope. Changed to include SSDG's and EDG's.

## **3. REQUIREMENTS**

Rearranged most of the sections so that the standard flows better. Also moved non-directive information into the "Notes" section.

## **5. NOTES**

Added various notes that were originally in the "Requirements" section.

# **Summary of changes to MLCA Standard Specification 5100M\_STD, Clean Shipboard Ventilation Systems, 1999 Edition**

## **2. APPLICABLE DOCUMENTS**

Removed all references.

## **3. REQUIREMENTS**

1. Removed personnel protection from paragraph 3.3.2.
2. Reworded paragraph 3.6 to mechanical cleaning.
3. Added a new dry ice blasting cleaning requirement in paragraph 3.7.
4. Eliminated the requirement of screen renewal in paragraph 3.11 and its subparagraphs.
5. Updated and consolidated Reports (para. 3.9) requirements.
6. Eliminated ventilation system balancing, and air volume and temperature measurements.

## **4. QUALITY ASSURANCE**

Eliminated paragraphs 4.1.1 and 4.1.2.

## **Summary of changes to MLCA Standard Specification 52010U\_STD, Overhaul and Test Valves, 1999 Edition**

MLCA Std Spec 52010U\_STD has been cancelled. All related requirements have been incorporated into to a Fleet Managed Item.

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## **Summary of Changes to MLCA STD SPEC 61110N\_STD, Pull- Test Pad Eyes And Link Assemblies 1999 Edition**

MLCA Std Spec 61110N\_STD has been cancelled. Pull-testing of fittings (excepted flight deck fittings) is no longer required, unless the fittings have been renewed, or weld repairs have been made. The policy is now to perform non-destructive testing of pad-eyes, as well as other deck fittings, using the managed item titled "Inspect Various Deck Fittings".

## Summary of Significant Changes to MLCA STD SPEC 63000N\_STD, Preserve Ship Structures, 1999 Edition

### 2. APPLICABLE DOCUMENTS

References have been updated.

### I. TEXT CHANGES

### 3. REQUIREMENTS

1. Para. 3.4 (Personnel qualification): This paragraph has been deleted.
2. Para. 3.8 (Hazardous substance and waste compliance): This paragraph has been deleted. Requirements for hazardous substance and waste management are now found in the boiler plate portion of the specification.
3. Paragraph 3.12.2 (Flash rusting and oxidation removal): This paragraph has been revised. Requirements for degree of acceptable flash rusting for surfaces prepared by water-jetting have been changed from HB2-1/2L (Light Flash Rusting) in accordance with International Protective Coatings Hydro-blasting Standard, to tightly adherent "light" rust, in accordance with SSPC VIS 4(I)/NACE No.7.
4. Paragraph 3.12.5.3 (Water-soluble chlorides): The reference for measuring water-soluble chlorides has been changed/corrected.
5. Paragraph 3.12.5.4 (Environmental control for tank preservation): This paragraph has been revised.

### 5. NOTES

Paragraph 5.1 (Critically-coated surfaces): The term "critically-coated surfaces" has been re-defined, to include the following surfaces:

- Underwater body surfaces
- Freeboard
- Superstructure
- Exterior decks
- Tanks and Voids
- All surfaces exposed to salt contamination

## II. CHANGES TO QA DATA SHEETS

1. The format and requested information on the QA Data Sheets, which are required to be completed during preservation, excluding touch-ups, have been changed. The sheets have also been renamed "Quality Assurance Inspection Forms", and will have to be submitted for the below-listed tasks:

- Environmental/ambient conditions readings (every 4 hours during all surface preparation and coating application procedures, until final cure).
- Surface soluble chloride levels.
- Surface profile readings.
- Wet Film Thickness Measurements.

2. Additionally, a new form titled "Tech Rep Sign Off Log" has been created to record the duration of the Tech Rep's presence at the work site.

### NOTICE

**Note that if the work item calls for a Tech Rep, the Tech Rep must be present for the duration of the coatings work from surface preparation through curing. The Sign Off Log may be used to help ensure this.**

## III. CHANGES TO COATING SYSTEM TABLES

1. Table IA (Exterior Coatings Systems): New coatings and coating systems have been added, and requirements for existing systems have revised, as follows:

a). Epoxy Polysiloxane. Epoxy polysiloxane, also known as "PSX-700" has been added as the preferred topside coating system for surfaces from the water line up, including freeboard, superstructure, decks, mast, etc. The silicone alkyd enamel system remains an optional system for units who do not want to incur the additional cost of the PSX-700 system.

b). Inorganic Zinc, Modified. A zinc-rich coating generally named "inorganic zinc, modified", has been added as part of the PSX-700 system; it is the only inorganic coating that is warranted by its manufacturer over surfaces prepared by water-jetting.

c). Antifouling system for aluminum boats. Options for two antifouling coating systems for preservation of underwater body surfaces of aluminum boats have been added, as follows:

- Antifoulant, Non-copper
- Foul-Release system

d). Weather Decks.

- Non-skid grit size: Grit size requirement for broadcast non-skid system for garnet has been changed from #16-20 Garnet to #8-16 Garnet.
- Slip Resistant Sheets: Added new Requirements for slip resistant sheets for weather decks of 47'MLBs and 87'WPB vessels.
- Flight Deck nonskid system for weather decks. New Option for a UV-Low Solar Absorbent (UV-LSA) has been added for steel and aluminum decks.

2. "Remarks From Table IA" and "Remarks From Table IB": Each one of two sections has been moved to after its associated table (Table IA and Table IB, respectively).

3. Table II (Known Sources For Coatings): Table II has been renamed "Coast Guard-Approved Coatings/Materials".

4. Table IV (Color Scheme For Underwater Body (U/W Body) and Boot-Top Surfaces In Relation to Freeboard Color Coat): This table has been revised and expanded.

## **Summary of Changes to MLCA STD SPEC 63310N\_STD, Renew Corrosion Preventive Zinc Anodes, 1999 Edition**

MLCA Std Spec 63310N\_STD, has been cancelled. The policy for zinc anode renewal is that anodes be renewed via "001" Change Request during availabilities. A managed item (63310N\_FLT) has been created for units who desire to have anode renewal included in drydocking specifications.

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## **Summary of Changes to MLCA STD SPEC 63410N\_STD, Renew Deck Covering Systems, 1999 Edition**

### **I. GENERAL**

1. This standard specification has been revised to allow the units the option to request deck covering installation over new underlayments or over existing underlayments.
2. Overall, the 2001 Edition spec has been reduced from 9 appendices (20 pages) to 4 appendices (14 pages).

### **3. REQUIREMENTS**

1. Para. 3.5 (Bounding bar) has been deleted. Bounding bar installation will be requested via CSMP or issuance of "001", when needed.
2. Para. 3.8 (Insulating underlay) has been revised. Requirements for application of magnesite oxychloride deck insulation material (MIL-D-23134), previously specified for decks subject to condensation (deck surfaces located above ballast tanks and hot machinery spaces...) have been replaced with requirements for application of the regular underlay material (MIL-PRF-3135) to a thickness between 1/2 inch to 3/4 inch. The Navy has cancelled MIL-D-23134, because of the excess amount of curing time (14-30 days) required for the magnesite oxychloride material.

## II. APPENDIX CHANGES

1. Appendix B (One-Step Cosmetic Polymeric (Epoxy Resin)) has been merged into Appendix A (Cosmetic Polymeric (Epoxy Resin) Deck Coverings).
2. Appendix C (Terrazzo (Latex) Deck Covering Requirements) has been deleted, in accordance with NSTM 634. Terrazzo will be used only for repair of existing installations. Where complete replacement of terrazzo deck coverings is required, cosmetic polymeric deck covering materials will be used.
3. Appendices E (Electrical Insulating Deck Coverings), G (Vinyl Tile and Sheet Deck Coverings), and H (Rubber Tile Floorings) have been combined into an appendix that covers all resilient roll or sheet, fire-retardant tile deck coverings). The work item will specify the type of system desired by units. Additionally, the requirements for installation of electrical insulating matting (Type II and Type III) have been deleted. According to NSTM 634, electrical matting must never be permanently installed; it may be installed by units only as a rollable and removable covering over existing non-electrical insulating decking systems, when protection against electrical shock is required.

**Summary of changes to MLCA Standard Specification  
64000U\_STD, Provide Temporary Messing, 1999 Edition**

MLCA Std Spec 64000U\_STD has been cancelled. All applicable have been incorporated into a new Fleet Managed Item.

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**Summary of changes to MLCA Standard Specification  
64010U\_STD, Provide Temporary Berthing, 1999 Edition**

MLCA Std Spec 64010U\_STD has been cancelled. All related requirements have been incorporated into to a Fleet Managed Item.

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**Summary of Significant Changes to MLCA STD SPEC  
98600\_STD, Ultrasonic Testing, 1999 Edition**

MLCA Std Spec 9860S\_STD, has been cancelled. The requirements for ultrasonic testing have been merged into Appendix C (Structural Boundary Tests And Non-Destructive Inspection) of MLCA Std Spec 0740\_STD, Welding and Allied Processes.

## Summary of changes to MLCA Standard Specification 99210U\_STD, Provide Temporary Logistics, 1999 Edition

### 3. REQUIREMENTS

1. Resequenced the paragraphs for the temporary logistics.
2. Updated all tables to include new cutter classes, eliminate obsolete cutter classes, and validate applicable numbers.
3. Deleted Potable Water, Firefighting equipment, and Oily bilge water disposal quantity tables; Potable Water and Oily bilge water disposal quantities will be provided through the Temp Logistics Managed Item. Firefighting equipment will be provided for CG Fire Watches only.
4. Compressed Air has been simplified and broken down for Cutters either with or without fixed compressed air systems.
5. Cooling water has been deleted; if required, it will be handled by a change request.
6. Firemain system has been deleted, since these Temporary services are for the ship's force use. The Contractors are required to have shore-based fire suppression systems for vessels in their drydock. When a planned work item disrupts the vessel's firemain system in a dockside availability, the work item should require the Contractor to provide it, whether at home-pier or at a Contractor's facility.

7. Simplified Heavy Lift Equipment requirements. Eliminated requirements for crane inspection, operation, and maintenance. These are OSHA and local law requirements. If the Contractor owns & operates his own equipment, it should be determined at the pre-award survey if he meets OSHA & local laws regarding this equipment. If the Contractor subcontracts out heavy lift equipment service, he is required to provide all pertinent paperwork on his subcontractor.
8. Liferaft storage has been eliminated; ship's force does not perform maintenance, so they are sent off-site to be inspected. When they need to be stored, they can be stored in the Dry Stores spaces provided.
9. Simplified Office Space requirements, and changed to Industry Building & Fire Codes.
10. Parking has been updated to remove parking from the pier & place parking spaces within specific walking distances.
11. Moved Protective Deck Covering to MLCA Standard Specification 0000\_STD, General Requirements, because temporary deck coverings are necessary during all availabilities, to protect decks against damage or contamination that may be incurred by contract work.
12. Sewage and grey water have been combined and simplified.
13. Small boat storage has been deleted, due to the variances between small boats aboard cutters. Small boats shall be listed as interferences, based on work item requirements, and removed as necessary. Having Contractors build & maintain "suitable" cradles for all Coast Guard small boats is unreasonable and unnecessary.
14. Mail Delivery has been deleted. Cutters normally make arrangements with their homeport facility to bulk ship their mail to them at the yard, without having the Contractor involved.

15. Storage has been simplified; Interference storage has been eliminated, since the Contractor is responsible for maintaining any interferences he removes, and the space requested for Dry Stores is adequate to include anything the ship's force removes.
16. Security has been deleted. The Contractor's facility is inspected at the Pre-Award Survey to determine security measures. Security for the vessel is normally covered by the Duty Section, either at home pier or away.
17. Tug provision has been deleted; this will be handled by a specific work item if needed prior to contract start, and by a change request after contract start.

#### 4. QUALITY ASSURANCE

Deleted additional QA.

#### 5. NOTES

Deleted subsection 5.2.4; combined with Storage.

# Summary of Significant Changes to MLCA STD SPEC 99710S\_STD, 1999 Edition

## I. GENERAL SECTION

1. Included requirement for divers when clearance is limited.
2. Included requirements for securing cranes when they are located on wingwalls.
3. Added requirement for refloating the vessel based on location of the keel on the blocks.
4. Added requirements for cooling water and fire main that were located in the temporary logistics standard specification.
5. Updated the block construction drawing

## II. APPENDIX CHANGES

1. Appendix A
  - Revised propeller and rudder requirements for inspection.
  - Revised zinc inspection and replacement.
2. Appendix B
  - Calculations are required to be done by a Professional Engineer. Calculations no longer need to be done by an *independent* Professional Engineer.
  - Added verbiage to cover travel lift calculations.
  - Decreased GM requirements for a floating drydock to require a minimum of 5 feet during only the *planned* portions of the lift and a minimum of 2 feet with the dock level and the pontoon deck submerged, if this condition is *not a planned* portion of the lift but may come about in a mishap.
  - Modified alternate blocking arrangement to be submitted earlier and via a change request.

### 3. Appendix D

- Clarified the 110' docking requirements for cross-braced blocking and the use of keel blocks on the cradle.
- Added guidance on when an alternate blocking arrangement may be used.
- Modified alternate blocking arrangement to be submitted earlier and via a change request.

### 4. Appendix E

- Modified Travel lift check list.