



# MILITARY SEALIFT COMMAND

## MSC Availability Planning Overview

Prepared for Military Sealift Command  
by Emprise Corporation

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# Learning Objectives

- **The overarching objective of this module is to introduce you to MSC's policies and practices for maintenance availability planning**
- **At the conclusion of this module, you will understand and be able to describe the following:**
  - **Common types of MSC maintenance availabilities**
  - **Availability planning**
  - **Work package development**
  - **Ship's crew planning**
  - **PENG preparations**



# Maintenance Availability

- **Opportunity provided in ship's operational schedule specifically for performing maintenance, repairs, and alterations without interfering with operational commitments**
- **Essential for maintaining a ship's readiness for tasking**



# Types of MSC Maintenance Availabilities

- Voyage repair (VR) periods
- Mid-Term Availability (MTA)
- Regular Overhaul (ROH)
- Conversion availability



# Notional MSC 5-Year Maintenance Availability Cycle

- **MSC ships follow a notional 5-year maintenance cycle**
  - Year 1: 3 VR periods + MTA
  - Year 2: 3 VR periods + MTA
  - Year 3: 3 VR periods + ROH
  - Year 4: 3 VR periods + MTA
  - Year 5: 3 VR periods + ROH



# MSC Availability Planning Policies and Procedures

- **MSC's availability planning policies and procedures are outlined in:**
  - **COMSCINST 4700.14C, Planning for MSC Ship Availabilities**
  - **COMSCINST 4700.15E, Overhaul, Repair, and Maintenance of Military Sealift Command vessels in Foreign Shipyards**
  - **MSC Port Engineering Manual – Updated January 2010**
  - **QMS Procedure N0711-101.00-Q, MSC Life Cycle Planning Framework**
  - **QMS Procedure N0711-001.00-AQ, Shipboard Condition Monitoring and Preventative Maintenance Management**
  - **QMS Procedure N0711-002.00-AQ, Corrective Maintenance**
  - **QMS Procedure N0700-103.00-AQ , Dry-Docking**
  - **QMS Procedure N0750-004-00-AQ. Maintenance Management Responsibilities**
  - **QMS Procedure N0750-100.00-AQ, MSC Ship Critical Safety Item - Parts and Service Support**
  - **QMS Procedure N0731-003.00-Q, Overseas Repairs Documentation**
  - **SMS Procedure 10.7-001-ALL, Corrective Maintenance**
  - **SMS Procedure 10.9-001-SQ, Maintenance Management**
  - **SMS Procedure 10.9-002-ALL, Ship's Force Availability Planning, Management, and Closeout**



# Availability Planning

- **Availability planning consists of:**
  - **Availability planning management**
  - **Work package development**
  - **Ship's crew planning**
  - **PENG preparations**



# Availability Planning Management

- **Major activities include:**
  - **Plan of Action and Milestones (POA&M) development and management**
  - **Availability duration estimate**
  - **Advanced planning letter**
  - **Repair coordination meetings**





# Let's Review

- **What are the most common types of MSC maintenance availabilities?**
- **Who is responsible developing and maintaining the Plan of Action and Milestones (POA&M) for a maintenance availability?**
- **How is the POA&M used?**
- **What is the purpose of the advanced planning letter?**



# Work Package Development

- **Major activities include:**
  - Initial work package development
  - Work scope conference
  - Preliminary work package development
  - Work definition conference
  - Joint quality assurance reading session
  - Work package addendum development
  - Procurement of government furnished material (GFM)



# Let's Review

- **What comprises the Initial work package?**
- **What is the purpose of the Work Definition Conference?**
- **What is the purposes for the joint quality assurance reading session?**



# Ship's Crew Planning

- **Per QMS Procedure N0750-004.00-AQ, Maintenance Management Responsibilities, ship's crew is responsible for supporting the PPE during maintenance availabilities**
  - **Performing lock-outs and tag-outs**
  - **Monitoring contractor production effort**
  - **Attending call-outs**
  - **Witnessing inspections and tests**
  - **Supporting regulatory body activities**
  - **Supporting OEM technical representatives**
- **Ship's crew is responsible for submitting proposal for crew manning for repair availabilities in excess of 30 days**
- **PPE responsible for making recommendation regarding crew size to Port Captain**



# PENG Preparations

- **PPE responsible for entering the final work items and associated cost estimates, and contract award details into PENG prior to start of availability**



# Summary

- **During this module, we have discussed:**
  - **Common types of MSC maintenance availabilities**
  - **Availability planning**
  - **Work package development**
  - **Ship's crew planning**
  - **PENG preparations**



# Additional Information

- **For additional information, please refer to:**
  - **COMSCINST 4700.14C, Planning for MSC Ship Availabilities**
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# Final Questions







# Revision History

Date	Version	Description	Author
4/29/19	0.0	Draft presentation	Gary Fields
8/13/19	1.0	Descoped content to reflect allotted time and overview nature of presentation per discussion with Al Ronald (MSC N7X Competency Manager); Corrected minor format errors	Gary Fields