



# Acquisition Directorate

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## Surface Program

### HEALY SLEP Update

CG-9323 | PM: Mr. King | APM: Mr. Hummer

Presented to UNOLS AICC Meeting | 19 July 2023



# Program Activity

- Program estimate complete.
- Continuing with non-recurring engineering work.
- Developed Documentation Tailoring Plan.
- Program Plan draft in progress.
- Next program decision event scheduled for Nov 2023.



# Future Events

## FY22-26

- Identify applicable contract types & responsible offices
- Preliminary concept engineering
- System component procurements
- Detailed Design & Engineering
- Maintenance execution planning
- Award multi-year production & repair contract



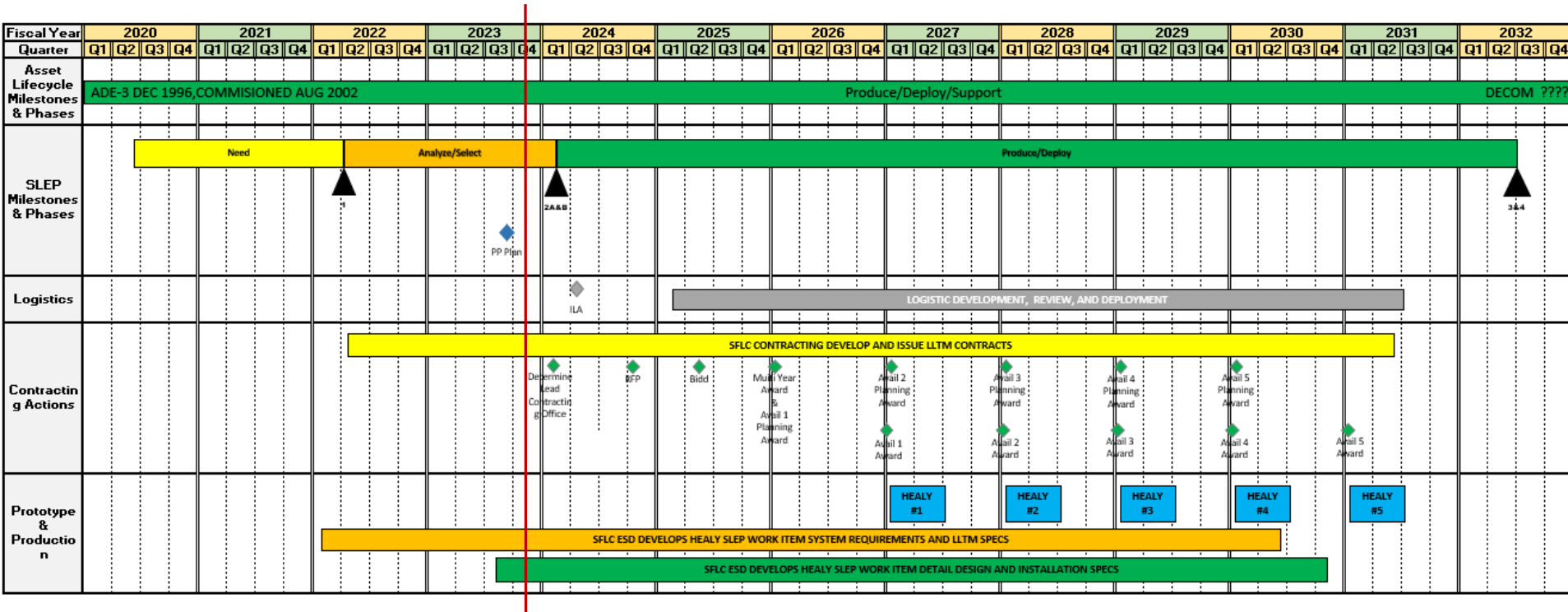
## FY27

- Begin production



# CGC HEALY SLEP: Notional Schedule

Current



# Preliminary Work List

## Availability #1

### Drydock 2026

- Main Diesel Generator Pre-Heaters
- Aux Diesel Generator (M) - Add Air Radiator and Battery Start
- Aux Diesel Generator (E) - Investigate Auto Start
- Recapitalize IMC - General Announcing System
- Recapitalize Steam Reducing Stations
- Recapitalize Auxiliary Boilers
- Recapitalize Gyrocompass
- Recapitalize Depth Sounder System
- Recapitalize Ice Radar
- Support NSF Multi-Beam Sonar System (EM304) Installation
- Recapitalize Science Data Network Infrastructure
- Support NSF Sub Bottom Profiler (SBP 29) Installation
- Recapitalize CGOne Network Infrastructure

Hull Scan

Material Condition Assessment



# Preliminary Work List

## Availability #2

### Dockside 2027

Main Motor Lube Oil Service System Sump  
Uptake/Intake Demisters, MDG Debris Scr  
Recapitalize Closed Circuit Television System  
Ventilation Improvements /Fire Dampners, E  
Centralize Heating System Controls  
Recapitalize Sanitary System Components  
Recapitalize Steering Control System Comp  
Perform Sound Survey/Insulate Berthing Spaces



## Availability #3

### Dockside 2028

Bridge & AFT Conn Science Gear and Fantail Visibility  
Recapitalize Aloft Conning Station Controls  
Recapitalize WIFCOM  
Recapitalize 6MC Mast Speaker  
Automate Evaporator effluent modes  
Starting Air Compressor Pressure Study  
Recapitalize Anchoring Handling and Controllers  
Over-the-Side Weight Handling & Slack Cable  
Recapitalize Climate Control Chambers A/C Compressors  
Galley Equipment - Recapitalize



# Preliminary Work List

## Availability #4

### Dockside 2029

- Redesign Forward Freshwater Contaminated Tank
- Recapitalize Main Motor Heat Exchanger
- Install Additional Sea Chest Isolation Valves
- Correct Aft Uncontaminated Water Tank Piping
- Main Sea Water System (MSW) Pumps
- Recapitalize Main Diesel Gen J/W & L/O Cooler 3 Way Valves
- Recapitalize MSW & ASW Sea Water Piping
- Install Alternate Air Conditioning ASW Source
- Investigate Improved Firemain Ballast and Deballast Options
- Auxiliary Sea Water System (ASW) Pumps
- Install Boat Davit Maintenance Deck
- Oceanographic and Trawl Core Winches Cable Management
- Science Sea Water System Pump & Cyclone Separator
- Reconfigure Science Labs



# Preliminary Work List

## Availability #5

### Dockside 2030

- Recapitalize Fuel Oil Service System Valve Actuators
- Recapitalize 60 Hz to 400 Hz Frequency Converters
- AFFF - Recapitalize System
- Recapitalize Potable Water Accumulators & Suction Piping
- Fuel Oil Purifier Emergency Stops & Emergency Transfer XComm
- Decrease Hydraulic Power Units Noise & Vibrations
- Install External Rudder Head Tanks with Remote TLI System
- Recapitalize Warping Capstan Controllers
- Install Bow Sensor Tower for Meteorological Equipment
- Recapitalize Topside Cargo and Stores Handling Cranes LMS
- Recapitalize QAWTDs, Cargo Hatches, Aviation Doors
- Upgrade Scientists & Junior Enlisted Crew Berthing





# Preliminary Work List

**Program** Weight and Moment Tracking / Incline & Stability  
Electrical Load Analysis - Update  
Create/Maintain Selected Record Drawings  
Heat Load Analysis  
MPCMS - Equipment Integration (IPP Contract Support)

**PRE** Main Motor Heat Exchanger/Cooling Coil  
Recapitalize Telephone System  
Topside Mast Analysis and recapitalize WSC-3 Radios  
Recapitalize Science Network - Underway Connectivity  
Recapitalize CGOne Network - Underway Connectivity



# Questions?

