

NAVSEA  
STANDARD ITEM

FY-14

ITEM NO: 009-117  
DATE: 17 JAN 2013  
CATEGORY: I

1. SCOPE:

1.1 Title: AEGIS Light-Off (ALO) Support for AEGIS Weapons Systems Assessments (AWSA); provide

2. REFERENCES:

2.1 Standard Items

2.2 S9AA0-AB-GOS-030, General Specifications for Overhaul of Surface Ships (GSO) AEGIS Supplement, Section 092

3. REQUIREMENTS:

3.1 Complete work in designated compartments and support systems prior to the ALO Milestone to the degree required to support uninterrupted testing once started and completion of all Stage 1 and 2 Combat System tests. For compartments, the degree required includes final paint, as well as final painting of supporting fan rooms. For support systems which are shipwide distributed in nature, the degree required includes complete installation of the branches supporting the Combat System and completion of support systems test procedures or applicable portions of the support system test procedures such that the support equipment is operating within design parameters. Designated compartments and support systems are listed in 2.2, Table I for DDG's and Table II for CG's. The selected Stage 3 or Operational Verification Tests to be conducted during ALO are to be identified in the Total Ship's Test Program (TSTP) along with the time phased sequence of AEGIS Installation Test Team testing activities.

3.1.1 Develop and submit one legible copy, in approved transferrable media, of a Combat System compartment release schedule for compartments listed in 2.2, Table I for DDG's and Table II for CG's, to the SUPERVISOR no later than A-15, using the Integrated Production Schedule and Integrated Test Schedule developed under 009-60 and 009-67 of 2.1, respectively. Compartments must be released to the Government on/or before the dates indicated in the Combat System Compartment Release Schedule. From the time of compartment turnover to the Government until completion of availability, no work shall take place in these compartments without permission of the SUPERVISOR.

3.1.2 To declare the ALO key event met, the following industrial work in a given compartment must be complete including but not limited to hot work, cutting, grinding, deck work (PRC, Terrazzo, NOMEX) and spray painting.

Contractor repair and installation of electronics equipment, antennas, machinery, equipment, piping systems, gages, thermometers, meters, operating instructions and warning plates, remote shutdown devices, strainer shields, valves and handwheels, access door and scuttles, ventilation systems, lighting systems, electric cables and runs, alarm systems, ground straps, flex hose, resilient mounts, safety devices, interior communication systems, tachometers, and resiliently mounted pipe hangers must be completed. Newly installed or repaired gages, thermometers, and meters must be calibrated. Access routes need not be released but must be passable or alternate routes made available at all times. Services, either ship or shore based, must be available on a reliable basis. These services include: 60HZ/400HZ, Air Conditioning (AC), Chilled Water (CW), Firemain or AEGIS Salt Water Cooling pumps, Ventilation, Electronic Cooling Water (ECW) (demineralized water), Dry Air, High Pressure Air (HP), Low Pressure Air (LP), Fwd and Aft SPY skids, Sonar skid, AN/SPS 49 skid, Command and Decision (C&D) skid, AN/SLQ 32 Cooling Unit and CIWS heat exchanger. In addition, the Electric Plant Control Equipment (EPCE) console or remote 400HZ console must be available. Cabling from 60HZ Power panels, Chilled Water (CW) hoses and routes must be intact to MK 84 converters. ECW modifications must be completed and all contractor flushes accomplished. If in dock, overboard discharges for AC plants, Cooling Skids and Firemain must be installed. Combat System testing shall not begin in a compartment which has not been formally turned over and accepted by the SUPERVISOR.

3.2 Correct contractor responsible discrepancies found during the Compartment Closeout process prior to the turnover of Combat Systems spaces to Ship's Force. The period from the ALO Milestone/key event to Sea Trials is reserved for Ship's Force, Alteration Installation Team (AIT), and In-Service Engineering Agent (ISEA) testing/assessment of the C5I Systems.

3.3 Submit one legible copy, in approved transferrable media, of a weekly report on the status of completion of preliminary ALO discrepancies. Notify the SUPERVISOR immediately upon determination of any discrepancies that cannot be corrected prior to the scheduled **ALO**, giving the reason and expected completion date.

#### 4. NOTES:

4.1 ALO is an availability key event scheduled to allow the start of a comprehensive assessment of the ships C5I equipment. ALO marks the Project Teams and Combat Systems Project Engineers transition from production work to testing and training. The assessment procedures and level of knowledge provided by the ISEA or RMC representatives to Ships Force while assessing and repairing the equipment is invaluable in allowing exit of the industrial period ready for training and fleet tasking. The Aegis Weapon system assessments will begin immediately after the ALO Milestone/key event. If discrepancies which preclude uninterrupted testing are identified prior to ALO start, those discrepancies must be corrected prior to ALO being declared met.