

NAVSEA  
STANDARD ITEM

FY-15

ITEM NO:	<u>009-117</u>
DATE:	<u>06 JAN 2014</u>
CATEGORY:	<u>I</u>

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 S9095-AD-TRQ-010/TSTP, Total Ship Test Program

3. REQUIREMENTS:

3.1 Complete work in designated compartments and support systems prior to the ALO Key Event to the degree required to support uninterrupted completion of all Stage 3 and follow-on Combat System tests. Stage Test definitions are detailed in 2.2. Designated compartments and support systems required to support testing are listed in a Compartment Release Schedule (CRS) which is provided to the Lead Maintenance Activity (LMA) by the SUPERVISOR as Government Furnished Information (GFI). The selected Stage 3 through 5 or Operational Verification Tests to be conducted during ALO are to be identified in the LMA's Integrated Test Schedule (ITS).

3.1.1 Obtain from the SUPERVISOR, during the planning phase and no later than A-60, a Combat Systems Compartment Release Schedule (CRS), indicating compartments and Combat Systems Support Equipment (CSSE) required in support of AEGIS Light-Off (ALO).

3.1.2 Ensure all work and testing required to meet CRS dates are fully integrated into the Integrated Production Schedule (IPS) and Integrated Test Schedule (ITS) required by 009-60 and 009-67 of 2.1. Include all work and testing planned for accomplishment during the maintenance availability by all organizations involved including; Alteration Installation Team (AIT), Ship's Force, Commercial Industrial Services (CIS), and Fleet Maintenance Activity (FMA).

3.2 Release compartments to the Government no later than the dates indicated in the approved CRS.

3.2.1 Submit one legible copy, in approved transferrable media, of a report listing the status of CRS completion including a list of preliminary ALO discrepancies to the SUPERVISOR weekly beginning at A+30.

3.2.2 Notify the SUPERVISOR immediately upon determination of any discrepancies that cannot be corrected prior to scheduled compartment release dates for each compartment or prior to the ALO date. Include the reason for the discrepancy and when applicable, highlight the new expected completion date on a revised CRS.

(I)(G) "JOINT INSPECTION"

3.2.3 Accomplish a joint inspection of the compartments to be released with the SUPERVISOR, NSWC PHD Combat Systems Project Engineer, and Ship's Commanding Officer (or designee), upon completion of industrial work.

3.2.3.1 The joint inspection team shall document the discrepancies and determine if the scope and nature of work remaining will impede uninterrupted testing.

3.2.3.2 Submit one legible copy, in approved transferrable media, of a report listing the discrepancies found during each inspection that will impede testing and the discrepancies found that will not impede testing, to the SUPERVISOR.

3.2.3.3 Identify each discrepancy as contractor responsible or government responsible.

3.2.3.4 The three parties identified in 3.2.3 will sign the report upon completion of discrepancies.

3.2.4 Ensure that compartments are ready to support ALO and associated CSSE light-off.

3.2.5 Correct contractor-responsible discrepancies found during the compartment inspection process prior to the turnover of compartments to Ship's Force.

3.2.6 Allow no work in compartments turned over to the government between the time of turnover until the end of the availability without written permission of the SUPERVISOR.

3.3 The ALO Key Event can only be declared met after all required reports and OQE have been submitted for review and approved by the NSA Chief Engineer. In order to meet the ALO Key Event, all industrial work in compartments and work on CSSE listed on the CRS shall be complete to the degree that allows for the safe and uninterrupted operation and testing of the ship's Combat Systems. When required, so as not to cause delays in the ALO test schedule, suitable temporary support systems and services may be considered acceptable but only after joint concurrence by the NSA Chief Engineer, NSWC PHD Combat Systems Project Engineer, and Ship's Commanding Officer.

3.3.1 Industrial work in 3.3 includes but is not limited to hot work, cutting, grinding, deck work (PRC, Terrazzo, NOMEX) and spray painting. 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 hand wheels, 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.

3.3.2 Combat System testing shall not begin in a compartment which has not been formally turned over per the joint inspection process in 3.2.3. or until approved by the SUPERVISOR. When discrepancies prevent final compartment turnover, the NSA Chief Engineer, NSWC PHD Combat Systems Project Engineer, and Ship's Commanding Officer will determine if industrial work is completed to the degree allowing for the safe and uninterrupted operation and testing of the ship's Combat Systems and Combat Systems Support Equipment.

#### 4. NOTES:

4.1 ALO is an availability Key Event scheduled to allow the start of a comprehensive testing and operation 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 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.

4.2 NSWC Port Hueneme will provide CRS documentation, including list of spaces and systems/equipment along with required completion dates to the SUPERVISOR to forward to the Contractor.