

## **Fast Cruise / Sea Trials Significant Key Event Readiness Management**

**Purpose:** This attribute provides a detailed process to aid the RMC Maintenance Team in ensuring that all strategic and technical items tied to the significant key event (SKE) Fast Cruise (FC00) / Sea Trials (ST00) (where RMC is the NSA) have been completed and any exceptions have been properly adjudicated. The entering assumption to this process is that all the strategic and technical predecessors have been properly tied to the FC00/ST00 SKE. The outcome of this process will allow the RMC Commander to certify to the Ship's Commanding Officer and the TYCOM that the ship is in a condition, both materially and logistically, to support FC00 and ST00. This successful completion of this process will allow the successor to this SKE, availability completion (EA00) and closeout, to be completed efficiently.

### **Definitions:**

**Significant Key Event:** A key event that, if slippage occurs, could negatively impact or delay the overall schedule. The items tied to a significant key event require more formal oversight and management.

**Minor Availability:** 10 to 64 days in duration.

**Major Availability:** Greater than 64 days in duration.

**Item:** Any event used to manage and track the progress of a maintenance availability. Examples include: Planned Work, Crew Training / Certification, Modernization (AIT) Work, Testing, Audits, other key events.

**Technical tie:** A predecessor-successor relationship between related work items or tests that are technically required to meet the SKE (e.g., A hull valve is removed for shop overhaul while in drydock. The valve would have to be reinstalled prior to the undocking SKE; it would be technically required to be reinstalled or mitigated as an exception (i.e., blanks installed) prior to calling the event.)

**Strategic tie:** A predecessor-successor relationship between items that the maintenance team deems to be relevant to successful completion of a SKE.

### **References:**

- (a) NAVSEA Standard Item 009-01, General Criteria; Accomplish
- (b) NAVSEA Standard Item 009-04, Quality Management System; Provide
- (c) NAVSEA Standard Item 009-19, Provisioning Technical Documentation (PTD); Provide
- (d) NAVSEA Standard Item 009-21, Logistics and Technical Data; Provide
- (e) NAVSEA Standard Item 009-39, Technical Manual Contract Requirement (TMCR) for New Technical Manuals for Commercial Equipment/Component; Provide
- (f) NAVSEA Standard Item 009-41, Technical Manual Contract Requirement (TMCR) for Topically Structured Technical Manual; Provide
- (g) NAVSEA Standard Item 009-42, Technical Manual Contract Requirement (TMCR) for

Updating Technical Manuals; Provide

- (h) NAVSEA Standard Item 009-60, Schedule and Associated Reports; Provide and Manage
- (i) NAVSEA Standard Item 009-67, Integrated Total Ship Testing; Manage
- (j) NAVSEA Standard Item 009-99, Ship Departure Report, Provide
- (k) NAVSEA Standard Item 009-102, Alteration Verification, Provide
- (l) COMFLTFORCOMINST 4790.3 Rev. B, CH-1, Joint Fleet Maintenance Manual
- (m) Navy Modernization Process Management and Operations Manual (NMP-MOM) SL720-AA-MAN-030

**Attachments:**

- a. Suggested Timeline for Availability Significant Key Event Management – Fast Cruise (FC00)/Sea Trials (ST00)
  
- b. Fast Cruise/Sea Trials Significant Key Event Readiness List Minimum Required Items

**Action:** The required steps/actions for FC00/ST00 SKE readiness management are as follows:

1. The Maintenance Team (at a minimum the Project Manager, Project Engineer, Port Engineer, and SF Representative) will validate the strategically and technically tied items to FC00/ST00 SKE per attachment (a). The Maintenance Team (MT) shall use references (a) through (j) and other applicable technical documentation to ensure that the integrated production schedule network ties (strategic and technical) are adequate for the FC00/ST00 SKE. This process shall include validation of the strategic and technical ties for FC00/ST00 predecessor SKEs and key events (KEs).
  
2. KTR will prepare, provide, and submit an Event Readiness List (ERL) to assist the MT in tracking all items tied to FC00/ST00 per the timeline in attachment (a). Items to include in ERL shall be furnished to the KTR as government furnished information (GFI), by the MT, per the timeline in attachment (a). The ERL shall be in any suitable format and should include, at a minimum, the information listed in attachment (b), and should be included as part of the GFI provided to the KTR. Any omissions from the content in attachment (b) shall be approved, in writing, by the Waterfront Operations Officer.
  
3. ERL signature requirements. Each RMC Commander shall determine the appropriate personnel who shall be designated as signatories on the ERL. Consideration should be given to the qualifications of each signatory on the ERL to ensure adequate technical or positional competence exists.
  
4. The MT, including the contractor representative (MTR), shall have periodic (as determined by the Project Manager, but at least bi-weekly) SKE meetings to ensure that all predecessor items are being accomplished in accordance with the production schedule. The meeting will also discuss any actual or potential delays in the completion of any predecessor items and its impact to SKE scheduled dates and the status of the items contained in the ERL. The meeting shall be facilitated by the KTR and the MT shall be present and include, at a minimum, the following representatives:

- a. Project Manager
  - b. Port Engineer
  - c. Project Engineer
  - d. Project Test Coordinator (government representative)
  - e. AIT Coordinator (if applicable)
  - f. Public Shipyard Representative (if applicable)
  - g. Subcontractors as required by the KTR
5. All items on the ERL shall be complete or formally waived (exceptions) prior to FC00.
- a. Technical item exception adjudication. Technical exceptions shall be formally adjudicated by the Naval Supervising Activity (NSA) technical authority. RMCs shall determine the proper level to adjudicate each technical exception.
  - b. Strategic item exception adjudication. Strategic item exception adjudication shall be accomplished at the periodic SKE meetings. The Project Manager and Ship's Commanding Officer shall agree upon any strategic item exceptions.
6. ERL signature verification. To meet a SKE, the ERL must contain all required signatures and a list of formally waived exceptions. The final signatures on the ERL shall be the ship's Commanding Officer, the Project Manger, and the contractor representative.
7. Any waived items (exceptions) not completed prior to the end of sea trials shall be tracked as part of the availability closeout procedure (ER4 – Maintenance Availability Closeout). The ERL shall be maintained as OQE by the MT until successful availability closeout, or as directed by the RMC Commander.

**Barriers to implementation:**

1. The Event Readiness List process does not formally exist and will require contract modification (RCC, etc) to implement during pilot programs.
2. Reference (h) paragraph 3.8 does not include ERL as a required report / task.
3. Weekly meeting (as called out in reference (h)) does not require facilitation by the KTR.
4. A Project Test Coordinator is currently not an approved position at RMCs. Until this position can be approved/provided, the MT will cover all required actions from the Project Test Coordinator (working with the KTR Test Director).

<b>Suggested Timeline for Availability Significant Key Event Management - Fast Cruise (FC00)/ Sea Trials (ST00)</b>				
<b>Event</b>	<b>CNO Major Availability (&gt;64 days)</b>		<b>CNO Minor Availability (10-64 days)</b>	
	<b>Cognizance</b>	<b>Approximate Schedule</b>	<b>Cognizance</b>	<b>Approximate Schedule</b>
Maintenance Team Provides KTR with GFI for format/content of the Event Readiness List (ERL)	Business Agent	Start of Availability minus six (6) Weeks	Business Agent	Start of Availability
KTR Provides Initial Integrated Production Schedule to Maintenance Team	KTR	Start of Availability minus Two (2) Weeks	KTR	Start of Availability
Maintenance Team Validates Initial Integrated Production Schedule	Project Manager, Port Engineer, Project Engineer, Test Director, C/300 (who?), Ship's Force Representative	Start of Availability minus One (1) Week	Project Manager, Port Engineer, Project Engineer, Test Director, C/300 (who?), Ship's Force Representative	Start of Availability plus one (1) week
KTR Provides Initial Event Readiness List (ERL) to Maintenance Team	KTR	Fast Cruise Minus Three (3) Weeks	KTR	Start of Availability plus one (1) week
Maintenance Team Validates Content of ERL	Project Manager, Port Engineer, Project Engineer, Test Director, C/300 (who?), Ship's Force Representative	Fast Cruise Minus Two (2) Weeks	Project Manager, Port Engineer, Project Engineer, Test Director, C/300 (who?), Ship's Force Representative	Start of Availability plus two (2) weeks
KTR Provides Maintenance Team with Pre-FC00/ST00 Message	KTR	Prior to Fast Cruise	KTR	Prior to Fast Cruise
GOV Provides Ship's Force with Readiness for Sea Trials Message	C/100	Prior to Fast Cruise	C/100	Prior to Fast Cruise

### **Fast Cruise/Sea Trials Significant Key Event Readiness List Minimum Required Items**

1. All contractor authorized work items tied to the significant key event shall be verified complete with a signature by the contractor representative.
2. All Public Shipyard and Intermediate Maintenance Facility authorized work items tied to the significant key event shall be verified complete with a signature by the appropriate government representative (typically the ship superintendent).
3. All AIT/Modernization authorized work items tied to the significant key event shall be verified complete with a signature by the RMMCO or designated AIT coordinator.
4. All Ship's Force authorized work and all contracted Ship's Force work tied to the significant key event shall be verified complete with a signature by the designated Ship's Force representative. SF work shall include completion of dock trials.
5. Exceptions to the authorized work items tied to the significant key event shall be listed and formal approval for the exceptions shall be indicated by the signature of the RMC Chief Engineer or his designated representative.
6. All tests have been completed satisfactorily. Tests required to be completed at sea have been identified to the ship for inclusion in the Sea Trials agenda. A verification signature is required by the Project Test Coordinator (may be government or contractor).
7. Quality assurance audits and surveillances are completed satisfactorily to support Sea Trials. Discrepancies shall be identified and formal approval for any not corrected prior to Sea Trials shall be indicated by the signature of the designated RMC Quality Assurance representative.