NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-111
DATE: 18 NOV 2016
CATEGORY: I

1. SCOPE:

1.1 Title: Schedule and Associated Reports for Availabilities 9 Weeks or Less in Duration; provide and manage

2. REFERENCES:

2.1 S9AAO-AB-GOS-010, General Specifications for Overhaul of Surface Ships (GSO)

3. REQUIREMENTS:

3.1 Develop a Production Schedule for work packages less than 4 weeks in duration that reflects the manner in which the availability will be accomplished. The Production Schedule shall include:

3.1.1 Start and completion date of production work for each Work Item.

3.1.2 Scheduled start and completion dates of all Stage 3 through Stage 6 required tests. Test Stages are defined in Section 092 of 2.1 and Note 4.1.1.

3.1.3 Critical Path and Controlling Work Items.

3.1.4 Integration between Work Items to the extent necessary to remove conflicts within ship's compartments or systems, facilitate coordinated testing, and complete all Work Items within the contracted Period of Performance.

3.2 Develop an Integrated Production Schedule (IPS) for work packages 4 to 9 weeks in duration that reflects the manner in which the availability will be accomplished. The IPS shall include:

3.2.1 Schedule each Work Item to the Work Activity level listing the start and completion dates, and durations for each Work Activity.

3.2.1.1 Assign each Work Activity in the IPS a short title to describe the nature of the Work Activity, system and equipment or machinery involved.

3.2.1.2 Integrate all known Alteration Installation Team (AIT), Government-Contracted Third Party Maintenance Provider, Ship's Force, Commercial Industrial Services (CIS), and Fleet Maintenance Activity (FMA) work. Alteration (ALT) numbers, Job Sequence Numbers (JSNs), and Task Order numbers (TOs) are considered equivalent to the contractor's Work Specification Work Items for the purposes of scheduling the work of these third-party organizations in accordance with this Standard Item. The term Work Item is inclusive of these additional methods of identifying a body of work.

3.2.1.3 Each Work Activity shall be scheduled by location and system, and integrated into the IPS.

3.2.2 The latest allowable receipt date for contractor and government furnished material (CFM and GFM) to maintain production schedule.

3.2.3 Scheduled Key Events and Milestones.

3.2.3.1 Assign appropriate predecessor relationships to each Key Event and Milestone(s) to ensure there is an accurate logical progression through all Work Activities leading to their assigned Key Event and Milestone(s), to ensure the IPS supports accurate prediction of Key Event and Milestone(s) attainment.

3.2.4 Critical Path and Controlling Work Items.

3.2.5 Scheduled start and completion dates of all Stage 3 through Stage 6 required tests.

3.3 Revise Production Schedule/IPS at the Work Activity level weekly to include additions, deletions, modifications, actual start and finish dates, progress, and completion of Work Items for work packages identified in 3.1 and 3.2. Progress shall be based on degree of completion of physical work or accomplishment of the Work Activity.

3.4 Coordinate and schedule AIT, Government-Contracted Third Party Maintenance Providers, Ship's Force, CIS, and FMA work with contractor work into the IPS for work packages identified in 3.2 when the SUPERVISOR has identified such work to take place during the availability. (See 4.2)

3.4.1 Develop a report identifying missing or incomplete schedule integration data for known participants in the availability when the IPS is submitted. Identification of missing or incomplete schedule integration data is required to highlight areas of elevated IPS uncertainty, but shall not be cause for delay in establishing the IPS nor the delivery of reports required under this Standard Item.

3.5 Provide cognizant contractor management representation to participate in the weekly progress meeting at the time and location agreed to by the SUPERVISOR for work packages identified in 3.1 and 3.2. The representative(s) must be authorized to make management decisions relative to

the routine requirements of the Job Order that, in good faith, commit the contractor. AIT Managers and/or On-Site Installation Coordinators (OSIC) shall participate and represent respective alteration teams in scheduled weekly progress meetings.

3.5.1 Weekly progress meeting participants shall be prepared to address Critical Path and Controlling Work Items, and offer reasonable solutions to problems which may have impact on scheduled Key Events and Milestones or completion date. Contractors scheduled work and planned AIT and Ship's Force work shall be discussed to support and de-conflict any testing and equipment operation scheduled.

3.6 Develop one legible copy, in approved transferrable media, of an availability status report that includes the revised IPS for work packages identified in 3.2. Provide the following for each Work Item:

3.6.1 Percent of production work completed.

3.6.2 Late contractor furnished material which affects production dates.

3.6.3 Government Furnished Material that has not been received which affects production dates.

3.6.4 Action taken or proposed to resolve inadequate production progress, material delivery that does not support production schedule, and other problems placing completion of any work item in jeopardy.

3.7 Provide cognizant contractor management representation to participate in a review conference to be held at the 50-percent point in the availability and a completion conference to be held no later than 3 days prior to availability completion date to determine the scope of remaining work for work packages identified in 3.2.

3.7.1 Data from the most recent submission in accordance with 3.3 and 3.6 will be used at the review conference. Review conferences will be held within two days of the Weekly Progress Meeting of 3.5 or, subject to SUPERVISOR approval, may be held simultaneously with the Weekly Progress Meeting. The conferences will be scheduled at a time and place mutually agreeable to all parties.

3.8. Provide one legible copy, in approved transferrable media, of a complete list of subcontractors, by Work Item, to the SUPERVISOR.

3.8.1 The subcontractor list shall include:

3.8.1.1 Work Item paragraph number.

3.8.1.2 Specific work to be accomplished.

3.8.2 Submit one legible copy, in approved transferrable media, of a report to the SUPERVISOR of any change to the original list, whenever any subcontractor is added or deleted.

3.9 Manage work progression to support scheduled light-off of machinery space equipment.

3.9.1 Develop a list of work required to be completed prior to light off for work packages identified in 3.2.

3.9.1.1 Revise the list of unfinished work, including machinery and systems discrepancies, daily throughout the light-off phase.

3.9.2 Schedule daily meetings to resolve problems/unfinished work relating to light-off. Meetings shall commence 2 weeks prior to light off, and continue until completion of testing. This meeting may be held in conjunction with the daily production meeting.

3.9.3 Accomplish a walk-through with Ship's Force and the SUPERVISOR 5 days prior to completion of work in machinery spaces.

3.10 Submit the following reports to the SUPERVISOR as listed in Adobe Acrobat (.pdf), or Microsoft Word (.doc) compatible media as per Table 1.

3.11 Table 1
Required Reports.

ID Number	Requirements	Title	Format	Due
3.11.1	3.1 3.2 3.4.1 3.8	- Production Schedule - IPS - Incomplete GFI - List of Subcontractors	.pdf .pdf .doc .doc	NLT 5 days prior to availability start date
3.11.2	3.4.1 3.6	- Incomplete GFI - Availability Status Report	.doc .pdf	Weekly after A-0, one day prior to progress meeting
3.11.3	3.9.1	- List of incomplete machinery space work	.doc	5 days prior to scheduled completion of machinery space work
3.11.4	3.9.1.1	- Revised list of incomplete machinery space work	.doc	Daily throughout light-off phase

4. NOTES:

4.1 Definitions.

4.1.1 Industrial Testing: Conducted by using stages of testing for the progressive validation of the proper installation and performance of equipment and systems. These stages are:

Stage 1: Material Receipt Inspection/Shop Tests
Stage 2: Shipboard Installation Inspection & Tests
Stage 3: Equipment Level Operational Tests
Stage 4: Intrasystem Tests
Stage 5: Intersystem Tests
Stage 6: Special Tests
Stage 7: Dock Trials/Sea Trials

4.1.2 Production Schedule: The schedule used by contractor and subcontractor personnel as a means of planning, tracking, and coordinating the accomplishment of contract work.

4.1.3 Integrated Production Schedule (IPS): A schedule used by the contractor as a means of planning, tracking, coordinating and de-conflicting work during the availability. It incorporates all work planned for accomplishment during the maintenance availability including: Alteration Installation Team (AIT), Government-Contracted Third Party Maintenance Providers, Ship's Force, Commercial Industrial Services (CIS), and Fleet Maintenance Activity (FMA) work.

4.1.4 Work Activity: A portion of an individual Work Item, which is a logical subdivision of the Work Item, representing a manageable unit of work which must be accomplished at a specific period of time in relation to other activities of the Job Order.

4.1.5 Key Event: An event that, if slippage occurs, could impact or delay the overall schedule, or prevent timely delivery of the vessel. Key Events are identified by the contract, the SUPERVISOR, or the contractor.

4.1.6 Milestone: A significant event identified by the Maintenance Team. Milestones are used as a scheduling aid and establish significant points where progress must be evaluated and confirmed. Accumulated failure to achieve Milestones on schedule may result in missed Key Events. Milestones may be identified by either the contractor or the SUPERVISOR.

4.1.7 Critical Path: That sequence of Work Activities which forms the work and test chain of the longest duration, and directly affects the completion of the availability. Factors that influence when a Work Activity is on the Critical Path include: time duration required for the Work Activity, space limitations, manpower available, and the predecessor/successor relationships between Work Activities. Typically, the Critical Path is determined by automated schedule analysis and will include any sequential set of Work Activities forming the longest chain of events extending throughout the schedule and which has the least Total Float.

4.1.8 Controlling Work Items: Those Work Items which include activities that are on the critical path of the IPS, which, by virtue of scope, material requirements, complexity, or other considerations, have the

significant potential for impact on the scheduled project Key Events or completion of the availability.

4.1.9 Total Float: The total number of days that a path of Work Activities can be delayed without affecting the project finish date. A path of Work Activities is established by predecessor and successor relationships.

4.2 The SUPERVISOR will provide, or direct provision, of the AIT, Government-Contracted Third Party Maintenance Providers, Ship's Force, CIS, and FMA availability data required for schedule integration in 3.4 and progress/de-confliction in 3.5.1.