



# CEO9 ISSM Deployment Plan

<b>Document Number</b> 8307-61103-#####	<b>Based on</b> 8307-61103	<b>Version</b> 0-03	<b>Author</b> M. Vardaro, W. Waldorf, L. Morgan
<b>Common Term for Platform</b> State (Oregon or Washington) ISSM- <i>CEO9 ISSM</i>	<b>Effective Date of Template</b> 2014-03-28	<b>Approver of Checklist Tasks</b> <Approver of the Procedure>	
<i>Fill information out in checklist section.</i>			
<b>Reference Designator &amp;</b> <AAAAA-X>	<b>Date Of Cruise</b> Month or Season, yyyy <i>2015-10</i>	<b>Conductor</b> 0	
<b>Deployment #</b> <-XXX##>	<b>Start Date</b> yyyy-mm-dd <i>2015-10-15</i>	<b>End Date</b> F. Last, F2. Last2	
<b>Scope &amp; Description</b> <Enter a brief description of what's entailed.>	<b>Reference Documents</b> <List reference docs...>	<b>Required Tools &amp; Equipment</b> <List any required tools or equipment>	
<b>Safety Considerations</b> <List any safety issues to consider.>		<b>Required PPE</b> <List any required Personal Protective Equipment.>	

<AAAAA-X><-XXX##>		Start Date: <i>2015-10-15</i>	Cruise Date: Month or Season, yyyy
Step	Instructions	Initials	Date / Time
BUOY			
1	Detailed operations briefing on the bridge. <i>deck</i>	<i>EPP</i>	<i>1350</i>
2	Assemble and inspect the entire mooring on deck; ensure that all flanges are torqued to specifications.	<i>EPP</i>	<i>2015-10-14</i>
3	Position the MFN/anchor under the A-frame.	<i>EPP</i>	<i>2015-10-14</i>
4	Remove all caps, syringes, protective coverings of instruments on buoy, NSIF, and MFN.	<i>EPP</i>	<i>1042</i>
5	Flush AC-S with DI water.		
6	Rub desitin on the ADCP heads.	<i>EPP</i>	<i>1042</i>
7	Deployment Checklist (8307-61102) completed.	<i>EPP</i>	<i>1045</i>
8	Rig the NSIF and mooring riser with slip lines over the side held at the railing prior to buoy deployment.	<i>EPP</i>	<i>1045</i> <i>1423</i>
9	Rig surface buoy with load-rated quick release and attach to ship's crane.	<i>EPP</i>	<i>1045</i> <i>1426</i>
10	Use the ship's crane to lift the ISSM surface buoy over the starboard side into the water.	<i>EPP</i>	<i>1428</i>
11	As the buoy is lifted with the crane, the NSIF and riser will be allowed to follow. This operation is controlled with slip lines to provide a controlled deployment.	<i>EPP</i>	<i>1428</i>
12	Release surface buoy from the crane into the water with a load-rated quick release.	<i>EPP</i>	<i>1429</i>
13	The mooring riser will be flaked out on deck, and allowed to follow the surface buoy into the water.	<i>EPP</i>	<i>1439</i>
14	Rig MFN with slip lines for controlled deployment.	<i>EPP</i>	
15	Use Dynacon winch with 9/16" wire to lower the MFN to the seabed with strong back acoustic release. Ensure acoustic release is switched on. This operation will be carefully coordinated with the ship operator to ensure accurate mooring placement.	<i>EPP</i>	<i>1402</i> <i>1542</i>
16	Ship continues underway, paying out wire, after MFN touches seabed to ensure that strongback does not come up under the ship. Send acoustic signal and trigger release once wire angle is confirmed to be correct.	<i>EPP</i>	<i>1604</i>

*last time: 1:50 from buoy overboard  
2:37 from buoy overboard*

<AAAAA-X><-XXX##>		Start Date:	yyyy-mm-dd	Cruise Date:	Month or Season, yyyy
Step	Instructions	Initials	Date / Time	Results/Notes	
17	Recover strongback and reset deck for next deployment.	zpf	1604	start up at 1604	
		Personnel:	F. Last, F2. Last2		