



Verification Procedure & Results

Test Procedure Document No.:	Test Procedure Rev.:			
3167-00104	1-01			
Test Plan Document #	Test Plan Rev.:			
3167-00000	1-01			
Test End Date:				
Test Conductor (Print Name)	Signature	Design Engineer (Print Name)	Approval Signature	Date
Test Director (Print Name)	Signature	System Engineer (Print Name)	Approval Signature	Date
Witnessed by (Print name)	Signature	QA/QC Engineer (Print Name)	Approval Signature	Date
DOORS Verification Procedure ID	DOORS Verification Event ID	Test Results Reviewed	QA:	Date
Ver-CG-152	CG-VE-3092		Test Dir.	Date

Test Description
 This test will be performed to ensure the sensor elements are functional. The test will also ensure that the sensors report reasonable measurements based on the environmental test conditions.

Requirements Addressed
 L3-CG-RQ-163 CGSN platforms shall transmit data to shore.
 L3-CG-RQ-890 CGSN platforms without a CI presence and without sufficient bandwidth for real-time transfer of raw data, shall compress or decimate data.

Test Environment

- Main controller is located in load cage at burn-in site.
- GSPP and WFPs are located at the burn-in site.
- Inductive bypass cables are connected through cages and inductive instruments, all located at burn-in site.
- TWR glider simulator is located at burn in site, with acoustic transducer located next to acoustic modem located in load cage.

Test Setup

Pre-Conditions:

- TC002 has been completed and passed.

Hardware Preparation

- Computer, printer, screen.

Software Preparation:

- Appropriate data processing and visualization software.

Test Artifacts
 Test Artifacts consist of the Pass/Fail results for steps contained within this procedure as well as various log files.

Test Procedure 3167-00104 Rev 1-01				Test Results		
Step#	Instructions	Expected Results	Requirement ID	Observed Results	Pass/Fail	Notes
1	Connect serial communications cable from PC to HYPM controller communications port. Start a terminal program and save the log file as follows: sn_controller_yyyymmdd_tc004.log					

Test Procedure 3167-00104 Rev 1-01				Test Results		
Step#	Instructions	Expected Results	Requirement ID	Observed Results	Pass/Fail	Notes
2	Press the <space> key to show ">" prompt. If you do not see a ">" command prompt, then press <ctrl>+x to exit sleep mode. The controller will now show a ">" command prompt					
3	Follow the menu and download data from the HYPM controller.					
4	Save and stop the log file.					
5	Connect serial communications cable from PC to SPP controller communications port. Start a terminal program and save the log file as follows: sn_SPP_yyyymmdd_tc004.log					
6	Follow the menu and download data from the SPP controller					
7	Save and stop the log file.					
8	Connect serial communications cable from PC to WFP #1 controller communications port. Start a terminal program and save the log file as follows: sn_WFP_yyyymmdd_tc004.log					
9	Follow the menu and download data from the WFP #1 controller					
10	Save and stop the log file.					
11	If mooring has (2) WFPs: Connect serial communications cable from PC to WFP #2 controller communications port. Start a terminal program and save the log file as follows: sn_WFP_yyyymmdd_tc004.log					
12	Follow the menu and download data from the WFP #2 controller					
13	Save and stop the log file.					
14	Use TWR glider simulator to acoustically download mooring data from load cage acoustic modem and transmit to shore server. Ensure iridium antenna is located outside in a location with adequate view of satellites.	Confirmation that data was successfully sent to shore server.	L3-CG-RQ-163			