



# Verification Procedure & Results

|   |   |   |   |
|---|---|---|---|
| Test Procedure Document No.:<br><b>3166-70108</b> |   | Test Procedure Rev.:<br><b>1-01</b>                 |   |
| Test Plan Document #<br><b>3166-70000</b>         |   | Test Plan Rev.:<br><b>1-01</b>                      | Test End Date:                                |
| Test Conductor (Print Name)                       | Signature                                 | Design Engineer (Print Name)<br>Taylor Semingson    | Approval Signature<br><i>Taylor Semingson</i> |
| Test Director (Print Name)                        | Signature                                 | System Engineer (Print Name)<br>Sheri N. White      | Approval Signature<br><i>Sheri N. White</i>   |
| Witnessed by (Print name)                         | Signature                                 | QA/QC Engineer (Print Name)<br>Gary Cook (I&T Lead) | Approval Signature<br><i>Gary Cook</i>        |
| DOORS Verification Procedure ID<br>Ver-CG-274     | DOORS Verification Event ID<br>CG-VE-3092 | Test Results Reviewed                               | QA:<br>Test Dir.                              |
|   |   |   | Date  |

**Test Description**  
This test procedure will verify that the SIO platform controller housings are able to survive pressure equivalent to 6000m water depth by testing them in a high-pressure tank.

**Requirements Addressed**  
L4-CG-PC-RQ-275 Platform Controller pressure housings on Global Moorings shall survive pressures equivalent to 6000 m water depth.

**Test Environment**  
- Pressure housings will be located at a pressure testing facility.  
- At SIO, the Keck pressure testing facility will be used.

**Test Setup**  
SIO Platform Controller Pressure housings are assembled.  
Pressure testing facility capable of 9,000psi available.

**Test Artifacts**  
Test Artifacts consist of the Pass/Fail results for steps contained within this procedure.

| Test Procedure 3166-70108 Rev 1-01 |   |                                 |                 | Test Results     |           |       |
|------------------------------------|---|---------------------------------|-----------------|------------------|-----------|-------|
| Step#                              | Instructions  | Expected Results                | Requirement ID  | Observed Results | Pass/Fail | Notes |
| 1                                  | Pressure test platform controller pressure housings for 1hr at 9,000psi | Pressure housing does not leak. | L4-CG-PC-RQ-275 |                  |           |       |