



Quick Look Test Report Document No.: 3166-97002

Test Event Name: Uncabled Coastal Surface-Piercing Profiler (uCSPP) Integration and Verification Test (Verification Event Ver-CG-3091) Design and Operation L4 Verifications			Test Plan Document No.: 3166-90000	Test Plan Rev.: 0-06	Report Date: 2014-01-21
Test Report Reviewed & Approved By					
Quality Engineer (Print Name) David Neiman	Signature 	Date	Test Director (Print Name) Jonathan Fram	Signature 	Date 2014-02-12

Test Event Description

This document refers to Uncabled Coastal Surface-Piercing Profiler (uCSPP) Product Verification Test activities related to verifying L4 requirements for design and operation. These activities include all L4 verifications for the profiler in procedures Ver-CG 165, 278.

The complete list of requirements to be verified is: L4-CG-PR-RQ-195,L4-CG-PR-RQ-354,L4-CG-PR-RQ-181,L4-CG-PR-RQ-182,L4-CG-PR-RQ-196,L4-CG-PR-RQ-340,L4-CG-PR-RQ-198,L4-CG-PR-RQ-335,L4-CG-PR-RQ-200,L4-CG-PR-RQ-201,L4-CG-PR-RQ-202,L4-CG-PR-RQ-203,L4-CG-PR-RQ-204,L4-CG-PR-RQ-205,L4-CG-PR-RQ-206,L4-CG-PR-RQ-208,L4-CG-PR-RQ-209,L4-CG-PR-RQ-210,L4-CG-PR-RQ-211,L4-CG-PR-RQ-212,L4-CG-PR-RQ-184,L4-CG-PR-RQ-213,L4-CG-PR-RQ-214,L4-CG-PR-RQ-215,L4-CG-PR-RQ-216,L4-CG-PR-RQ-217,L4-CG-PR-RQ-69,L4-CG-PR-RQ-78,L4-CG-PR-RQ-355,L4-CG-PR-RQ-71,L4-CG-PR-RQ-72,L4-CG-PR-RQ-73,L4-CG-PR-RQ-81,L4-CG-PR-RQ-82,L4-CG-PR-RQ-84,L4-CG-PR-RQ-218,L4-CG-PR-RQ-87,L4-CG-PR-RQ-88,L4-CG-PR-RQ-89,L4-CG-PR-RQ-90,L4-CG-PR-RQ-91,L4-CG-PR-RQ-96,L4-CG-PR-RQ-98,L4-CG-PR-RQ-264,L4-CG-PR-RQ-106,L4-CG-PR-RQ-107,L4-CG-PR-RQ-108,L4-CG-PR-RQ-372, L4-CG-PR-RQ-74,L4-CG-PR-RQ-183,L4-CG-PR-RQ-207,L4-CG-PR-RQ-79,L4-CG-PR-RQ-94,L4-CG-PR-RQ-374,L4-CG-PR-RQ-379,L4-CG-PR-RQ- 890,L4-CG-PR-RQ- 761

Test Results					
Test Case ID	Test Name / Description	Test Results / Data	Test Conclusions	Corrective Action or satisfied requirement	Requirement ID
TC-002 VER-CG-165	L4 Inspection and Analysis	The listed requirements were satisfied.	The requirements may be listed as satisfied for the uCSPP in DOORS.	L4-CG-PR-RQ-195,L4-CG-PR-RQ-354,L4-CG-PR-RQ-181,L4-CG-PR-RQ-182,L4-CG-PR-RQ-196,L4-CG-PR-RQ-340, L4-CG-PR-RQ-335,L4-CG-PR-RQ-200,L4-CG-PR-RQ-201,L4-CG-PR-RQ-202,L4-CG-PR-RQ-203,L4-CG-PR-RQ-204,L4-CG-PR-RQ-205,L4-CG-PR-RQ-206, L4-CG-PR-RQ-209,L4-CG-PR-RQ-210,L4-CG-PR-RQ-211,L4-CG-PR-RQ-212,L4-CG-PR-RQ-184,L4-CG-PR-RQ-213,L4-CG-PR-RQ-214,L4-CG-PR-RQ-215,L4-CG-PR-RQ-216,L4-CG-PR-RQ-217, L4-CG-PR-RQ-78,L4-CG-PR-RQ-81, L4-CG-PR-RQ-82,L4-CG-PR-RQ-84, L4-CG-PR-RQ-87,L4-CG-PR-RQ-88, L4-CG-PR-RQ-89, L4-CG-PR-RQ-90, L4-CG-PR-RQ-96,L4-CG-PR-RQ-98,L4-CG-PR-RQ-264,L4-CG-PR-RQ-106,L4-CG-PR-RQ-107,L4-CG-PR-RQ-108,L4-CG-PR-RQ-372, L4-CG-PR-RQ-198, L4-CG-PR-RQ-208	See list in adjacent cell.
TC-002 VER-CG-165	L4 Inspection and Analysis	The listed requirement was not satisfied.	The profiler design cannot sustain 30-year extreme conditions at the EA inshore sites during winter.	A 'Plan B' alternative to the profiler for the EA inshore site for winter is in development.	L4-CG-PR-RQ-71
TC-002 VER-CG-165	L4 Inspection and Analysis	The listed requirement was not satisfied.	The profiler design cannot survive 100-year extreme conditions at the EA inshore sites during winter.	A 'Plan B' alternative to the profiler for the EA inshore site for winter is in development.	L4-CG-PR-RQ-72
TC-002 VER-CG-165	L4 Inspection and Analysis	The listed requirement was not satisfied.	The profiler design maximum depth is 100m.	Waived per ECR 1303-01139	L4-CG-PR-RQ-69
TC-002 VER-CG-	L4 Inspection and Analysis	The listed requirement was not satisfied.	The profiler uses an Aanderaa optode DO sensor to measure dissolved oxygen.	Waived per ECR 1303-01139 (change to DOSTA)	L4-CG-PR-RQ-82

Test Results					
Test Case ID	Test Name / Description	Test Results / Data	Test Conclusions	Corrective Action or satisfied requirement	Requirement ID
165					
TC-002 VER-CG- 165	L4 Inspection and Analysis	The listed requirement was not satisfied.	The profiler does not have capability to measure PCO2W. Existing instrumentation cannot sample quickly enough for profiling.	Waived per ECR 1303-01139 (remove to PCO2W)	L4-CG-PR-RQ-218
TC-002 VER-CG- 165	L4 Inspection and Analysis	The listed requirement was not satisfied.	The instrument is fitted with a Nortek Aquadopp (VELPT) instrument instead of the required VEL3D.	Waived per ECR 1303-01139 (change to VELPT)	L4-CG-PR-RQ-91
TC-006 VER-CG- 278	CSPP End-to-end verification	The listed requirements were satisfied.	The requirements may be listed as satisfied for the uCSPP in DOORS.	L4-CG-PR-RQ-74,L4-CG-PR-RQ-183,L4-CG-PR-RQ-207,L4-CG-PR-RQ-79,L4-CG-PR-RQ-94,L4-CG-PR-RQ-374,L4-CG-PR-RQ-379,L4-CG-PR-RQ-890,L4-CG-PR-RQ- 761	See list in adjacent cell.