



DS 32-177-
9 April 2010

Quality Programme - Subsea and Workover Control Systems - General

Project title:		
Purchase order title:		
Order/package no.:		
Vendor:		
A	REQUIREMENTS WITH TENDER	KEY
1	Assessment of technical capability.	
2	Appraisal of quality system.	
3	Review of typical SQP.	
4	Review of typical ITP.	
B	REQUIREMENTS PRIOR TO MANUFACTURE/CONSTRUCTION	
1	Design verification.	
2	Design validation.	
3	Formal design review.	
4	Approval of design documentation/drawings.	
5	Approval of SQP.	
6	Approval of ITP.	
7	Approval of PED implementation plan.	
8	Approval of ATEX implementation plan.	
9	Approval of reliability plan (including TRCs), RAD, qualification plan, and matrix.	
10	Approval of major subvendors.	
11	Approval of major suborders.	
12	Approval of major subcontractor ITPs.	
13	Approval of weld procedures (including repair procedures, if applicable).	
14	Approval of HT procedures.	
15	Approval of NDT procedures.	
16	Approval of handling, preservation, and packaging procedures.	
17	Preproduction meeting.	
C	REQUIREMENTS DURING MANUFACTURE/CONSTRUCTION	
1	Examination and approval of manufacturing areas.	
2	Check identification/verification of material traceability. Verify that type test certificates are available for applicable materials and/or assemblies.	
3	Witness alloy verification/PMI.	
4	Review and approval of welder and NDT operator qualifications.	
5	Monitor NDT operations (UT, MPI, DPI, hardness testing, and radiography).	
6	Visual examination of completed welds.	
7	Review NDT reports.	
8	Prior to commencement of tests, inspect the hydraulic system for compliance with the BP fabrication requirements. Witness acceptance flushing of the hydraulic system/lines, and verify that it is to the required standard as certified by physical microscope count. All pressure testing shall be chart recorded.	
9	Witness all hydrostatic and electrical tests.	
10	Witness factory acceptance tests to verify all aspects of the control systems and that interfaces comply with BP accepted procedures.	
11	After completion of all tests and disconnection of hydraulic components, verify that all bores are securely immediately sealed. (Cap seals to be secured in such a way that, if the cap is removed, it is apparent at any later stage.)	
12	Verification against Contractor drawings of close tolerance and/or critical dimensions.	
13	Verification against Contractor drawings of seal/interface surface finishes.	
14	Final visual, key dimensional inspection, and any continuity checks.	
15	Verify that marking and tag numbers have been applied in accordance with BP requirements.	



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Quality Programme - Subsea and Workover Control Systems - General - page 2

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	REQUIREMENTS DURING MANUFACTURE/CONSTRUCTION (CONTINUED)			
16	Check handling, preservation, and packaging (including identification).			
17	Examine lifting attachments and certification.			
18	Examine protective coatings.			
19	Witness equipment being weighed.			
20	Verify that all inspections and tests are complete.			
21	Issue inspection release note.			
D	REQUIREMENTS AT CONTRACT COMPLETION			
1	Review and approve data dossier.			
2	Review and approve performance/functional test data.			
3	Review and approve maintenance/operation manuals.			
Key: AP = Approve, H = Hold, R = Review, W = Witness, S = Surveillance, N/A = Not Applicable. Notes - The Vendor/Manufacturer is required to include the points referenced in the above quality programme in all related system quality plans and inspection & test plans as identified in the POQR, part 1, section 4. - These activities are in addition to the QA/QC activities performed in house by the Vendor. These activities shall be performed by BP or a BP NIB as appropriate, and if specified as a requirement, shall be included in the Vendor SQP and/or ITP.				
NO.	DATE	REVISION	BY	APP