

Subsea

Subsea Testing and Pre-Commissioning - Barrier verification

BA-SUB-004

Purpose: Completed before and during pressure testing, flooding, dewatering and pre-commissioning, where stored energy is the dominant hazard.

Frequency: Before test and pre-commissioning, and at each phase | **Applies to:** Subsea | **Response set:** Yes / Partial / No / N/A, with a note and evidence against each item

Basis: publicly available industry guidance, principally IMCA and IOGP. This framework does not replace the diving contractor's safety management system, the client's own risk assessment, or applicable national legislation. | **Complete online at** barrierassurance.com

#	Question	Guidance and reference	Y / P / N / NA
1	Is the test procedure approved, with the test pressure, medium and acceptance criteria stated?	Confirm the test pressure against the design, and that the acceptance criteria are numerical. Ref: IMCA M253; project specification; applicable pressure testing standards	
2	Has the stored energy been assessed, and are the exclusion zones defined and enforced during test?	Pressure testing subsea and on deck both throw things. The zone should be marked and manned out. Ref: IOGP line of fire guidance; IMCA D044	
3	Are the pressure relief, monitoring and recording arrangements in place and calibrated?	Check calibration certificates for the gauges and recorders actually in use. Ref: Project specification; IMCA M253	
4	Have isolations been established, verified and recorded before any break of containment?	Independent verification, not the word of the person who set them. Ref: IMCA D044 (isolation and intervention)	
5	Is the chemical inventory for flooding, treatment and preservation controlled, with data sheets available?	Including the environmental permit position for any discharge. Ref: IMO MARPOL; project environmental plan	
6	Are personnel briefed on what to do in the event of a leak or loss of containment during test?	Ask someone on deck. The answer should be immediate. Ref: IMCA M226; project emergency plan	
7	Have the test results been witnessed, recorded and accepted by the responsible parties?	Confirm the witness was present rather than signing afterwards. Ref: Project quality plan; IMCA M253	
8	Where diving or ROV intervention supports the test, is the interface with the pressurised system controlled?	A diver near a pressurised or recently tested system needs a specific control. Ref: IMCA D044; IMCA R004	