

Saturation

Saturation Diving - Life Support, Equipment and Certification

BA-SAT-004

Purpose: Completed monthly by the Client Representative with the Client Diving SME to verify the condition, maintenance, redundancy and certification of the saturation diving system.

Frequency: Monthly | **Applies to:** Saturation | **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 planned maintenance system up to date with no critical tasks overdue on the saturation system and bell?	Ask to see the overdue report. The preventative maintenance programme is a named barrier in both bowties. Ref: IMCA D024 (DESIGN, saturation) · IMCA D024	
2	Has the redundancy of the life support systems been re-proven by function test?	Full changeover test of the primary and back-up systems, with the time taken recorded. Ref: IMCA D024 (DESIGN, saturation) · IMCA D024	
3	Has the back-up power generation independent of the vessel been tested on load?	Changeover time recorded, and fuel and cooling autonomy adequate for the evacuation timeline. Ref: IMCA D024 (DESIGN, saturation) · IMCA M103; IMCA D024 · IMCA D024	
4	Has the back-up battery power for the chamber and bell been tested and its duration confirmed?	Duration sufficient for a lost bell or lost power scenario. Ref: IMCA D024 · IMCA D024; IMCA D018	
5	Are the gas analysers calibrated, with certificates in date, and is all supply gas analysed before use?	Oxygen, carbon monoxide, carbon dioxide and total hydrocarbons within limits. Ref: IMCA D024; IMCA D022 · IMCA D022; IMCA D024	
6	Are the environmental control systems and scrubbers functioning, with consumables in stock?	Includes the back-up scrubbing capability. Ref: IMCA D024; IMCA D022 · IMCA D024 · IMCA D022; IMCA D024	
7	Is the approved materials list current and are only flame retardant materials in use inside the chambers?	Inspect the chamber contents, do not only read the list. Ref: IMCA D024; IMCA D014	
8	Have the fire detection and suppression systems been function tested this month?	Detection alarms and the suppression system itself. Ref: IMCA D024; IMCA D014	
9	Is the DESIGN audit of the saturation system, reception facility and rescue unit still in date with findings closed?	IMCA D024, D053 and D063 as applicable. Ref: IMCA D024 (DESIGN, saturation)	
10	Is the bell handling system certification current, and has the bell umbilical integrity been confirmed?	Includes the emergency vehicle services umbilical and its connection to the bell stab plate. Ref: IMCA D024; IMCA D018 · IMCA D024 (DESIGN, saturation)	
11	Are the dynamic positioning arrangements current - FMEA, annual trials and class status?	Station keeping redundancy is a named barrier against a run-off with the bell deployed. Ref: IMCA M103; IMCA M190	
12	Have any changes to the saturation system gone through management of change, with re-certification before use?	Modification means re-commissioning and an as-built record. Ref: IOGP 411; IOGP 431 (worksite representative)	