

Saturation

Saturation Diving - Weekly Barrier Health

BA-SAT-003

Purpose: Completed weekly by the Client Representative to verify that the saturation diving barriers established at readiness gate remain effective through execution.

Frequency: Weekly | **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	Was an emergency drill run this week, and was it recorded?	Follow the contractor's drill matrix. Chamber fire, loss of life support, gas contamination, bell recovery and hyperbaric evacuation. Ref: IMCA D052 (hyperbaric evacuation); IOGP 478; IMCA D053, D063 · IMCA D024; IMCA D052 · IMCA D052; IMCA D053; IMCA D063	
2	Have the chamber seals, viewports and penetrations been inspected this week?	Physical inspection for damage or degradation. Pressure integrity is the barrier being protected. Ref: IMCA D024 (DESIGN, saturation) · IMCA D024	
3	Has the bell umbilical been inspected for damage, with bend radius protection in place?	Physical inspection along its length, not only at the terminations. Ref: IMCA D024; IMCA D018	
4	Have the gas analysers been checked against calibration, and are the readings within limits?	Includes chamber and bell atmosphere monitoring. Ref: IMCA D024; IMCA D022 · IMCA D022; IMCA D024	
5	Is the chamber hygiene programme being followed?	Cleaning, ear care and medical lock discipline. A hygiene failure in saturation is a campaign-stopping event. Ref: IMCA D024; IMCA D022	
6	Has the back-up scrubbing and back-up power capability been checked?	Consumables inventory adequate for the planned storage depth and duration. Ref: IMCA D024 · IMCA D024; IMCA D018	
7	Have the fire detection and suppression systems been checked this week?	Detection thresholds set correctly, suppression charged, and ignition source controls still being observed. Ref: IMCA D024; IMCA D014	
8	Has the secondary and tertiary bell recovery capability been verified this week?	Clump weight system and umbilical recovery. Record what was actually checked. Ref: IMCA D024 (DESIGN, saturation)	
9	Are lifting operations over or near the saturation complex and bell being controlled?	SIMOPs management of the deck mounted complex, and control of overboard lifting near the bell. Ref: IMCA D060; IMCA D024	
10	Has the worksite survey remained valid, with obstruction and mooring proximity unchanged?	Any change of worksite needs a new as-found survey before the bell is deployed. Ref: IMCA D024; IMCA R006 (ROV audit)	
11	Has the hyperbaric evacuation equipment been checked and is it ready for immediate use?	Rescue craft, life support package and the launch arrangements. Ref: IMCA D052 (hyperbaric evacuation); IOGP 478; IMCA D053, D063	
12	Are the Contractor's own self-verification records being completed, and were they available for you to review?	If the records are not being kept, the contractor's plan is not being executed - raise it. Ref: IOGP 411; IOGP 431 (worksite representative)	