



JFD Submarine Escape and Abandonment Assurance



Submarine Escape and Abandonment complements Submarine Rescue - JFD is unique in being able to deliver this capability as a one stop shop.

JFD's newly developed offering will:

- Reduce risk to the crew with innovative training packages tailored to the submarine class.
- Reduce operational costs by optimising the efficiency of the escape and abandonment training life cycle.
- Certify interoperability with rescue vehicles.
- Provide assurance that escape equipment will work first time every time.

Submarine Escape is the alternative to waiting for a Submarine Rescue Vehicle – in some circumstances it is the only option available.

If a distressed submarine manages to surface Abandonment has to be fast and safe.

JFD will provide Assurance Services across all these disciplines:

- Certified Total Through Life Escape and Abandonment Training.
- Assurance of the operational integrity of Submarine Escape Compartments, their equipment and certification of the escape hatch seats.
- Innovative Abandonment Equipment such as the Inflatable Freeboard Extender.

JFD has customised Escape and Abandonment Assurance to match the customer's requirements for the crew and the boat – BRONZE, SILVER, GOLD and PLATINUM to enhance crew survival probability in the event of an accident.



Escape and Abandonment Assurance Offering



The Packages - The Boat

	Bronze	Silver	Gold	Platinum
Submarine Escape Equipment Audits	★	★	★	★
Submarine Seat Certification	★	★	★	★
Submarine Escape Compartment Design Studies	★	★	★	★
Through Life Capability Maintenance			★	★
Inflatable Freeboard Extender	★	★	★	★

Submarine Seat Certification

In accordance with ANEP/MNEP 85 & 85.1
The output will be:

- Detailed physical and structural analysis of the rescue seat to assure conformance with NATO standards to safely mate with the Submarine Rescue Vehicles (SRVs).
- Audit of maintenance schedules to ensure ongoing compliance.

Submarine Escape Compartment Audits

The output will be:

- Assurance that current escape equipment is fit for purpose and safe to use.
- Recommendations for escape equipment technology upgrades.

Abandonment - Inflatable Freeboard Extender (IFE)

The IFE is an inflatable tube over the escape hatch to provide the extra freeboard to mitigate the risk of injury during abandonment.

No modification is required to the existing trunk or hatch opening to retro-fit the IFE, making it suitable for use across a wide range of existing submarine types.

Escape and Abandonment Equipment Through Life Support and Maintenance

Outsourcing of through life escape equipment assurance reduces risk and support costs.

The Packages - The Crew

	Bronze	Silver	Gold	Platinum
On Site Classroom based Basic SMERAS Training		★		
On Site Classroom based Team Scenario Course		★		
On Site Classroom based Senior Survivor Course		★		
Non Pressurised in Water Submarine Escape Training			★	
Pressurised in Water Submarine Escape Training			★	
Full SMERAS Facility Build with Full Training Service Provision				★

Training

JFD Escape and Abandonment Training includes:

- 1 Day Acquaint course for Contractors going to sea or for Special Forces and Divers.
- 2 or 3 Day Course for Submarine Qualified Trainees or for Requalification.
- Rush Escape Training - scenario where it is imperative for the survivors to exit the submarine as quickly as possible. This course can be integrated with the 2/3 day.
- Senior Survivor Course - This course can be conducted locally in country using an alongside submarine.



Example of 2 or 3 Day course for New Submarine Qualifiers and Requalification Students.

TIME	SMERAS Training Programme - Day 1
08.00 - 08.15	Course Admin/HSE Brief
08.15 - 08.45	Surface Abandonment drills and procedures – Classroom based
08.45 - 09.15	Initial Actions in Escape Compartment /Guardbook Acquaint
09.15 - 11.00	Classroom based-Principles of Tower Escape and Tower Preps and Unmanned Tower Runs, i.e. flooding and draining down
11.00 - 11.20	Break
11.20 - 12.00	Atmosphere Control and Monitoring – Principles and Procedures
12.00 - 13.15	Lunch Break
13.15 - 14.45	Survival principles and procedures whilst inside the DISSUB
14.45 - 16.45	Suit Acquaint and Tower Flood and drain down – practical demos
16.45 - 17.30	Q&A and Debrief

TIME	SMERAS Training Programme - Day 2
08.00 - 08.15	Course Admin
08.15 - 08.45	Practice Tower Escape Drills
08.45 - 09.15	Practice Pod Posting Drills
09.15 - 12.15	Pressurised Tower Escape Runs
12.15 - 13.15	Lunch Break
13.15 - 16.00	Surface Abandonment/Team Scenarios
16.15 - 16.45	Post Course Discussion
16.45 - 17.45	Exam



To discuss any Submarine Escape requirements you have please email:
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