



Exploration & Production

GENERAL SPECIFICATION

Logistics and Operational Support

GS EP LSO 209

Life Jackets & Immersion Suits Specifications

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1. Scope

The purpose of this document is to define the rules to be applied for the selection of immersion suits, anti-exposure suits, life-jackets and work vests for offshore installation's evacuation, transfer of personnel by watercraft between watercrafts and/or fixed offshore structures and works overboard.

The provisions of this document apply in all Operated Exploration-Production subsidiaries, whenever national rules and regulations either fail to cover the subject or are less stringent.

2. Reference documents

The reference documents listed below form an integral part of this General Specification. Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published at the EFFECTIVE DATE of the CONTRACT.

Standards

Reference	Title
EN 396	European Norms life jackets 150 N
ISO 12402-2	Personal flotation devices. Part 2: Lifejackets, performance level 275 -- Safety requirements. (Amendment 1 included)

Professional Documents

Reference	Title
Not applicable	

Regulations

Reference	Title
IMO - SOLAS	International Convention for the Safety of Life at Sea (SOLAS)

Codes

Reference	Title
LSA code	International Life Saving Appliance Code
IMO- MODU code	The Code for the Construction and Equipment of Mobile Offshore Drilling Units



Other documents

Reference	Title
Not applicable	

Total General Specifications

Reference	Title
GS EP SAF 351	Escape, evacuation and rescue from fixed installations
GS EP LSO 202	Personnel transfer between watercrafts and between watercrafts and offshore structures

3. Rules

As a supplement to rules mentioned in document **GS EP SAF 351**, and **GS EP LSO 202**, following rules shall be applied for the selection of immersion suits, life jackets, anti-exposure suits and work vests:

1. All Floating Units, Mobile Offshore Units (MOUs), Mobile Offshore Drilling Units (IMO-MODU code) and watercraft working for Total or any affiliate shall comply with IMO-SOLAS regulation and LSA Code concerning escape and evacuation means during sea passage, transit or towing operations. Immersion suits as described in chapter 4.1 shall be available when passing in a cold zone as define in appendix 2.
2. All fixed installations shall have life-jackets as described in chapter 4.2 for escape and evacuation, in addition if the installation is located in a cold zone as described in chapter 2, immersion suits as described in chapter 4.1 shall be available.
3. Escape and evacuation equipments mentioned in points 1 & 2 shall not be used for personnel transfer and work overboard.
4. For personnel transfer between watercrafts and between watercrafts and offshore structures, a work-vest complying with characteristics described in chapter 5.1 shall be worn by all personnel. When personnel transfer is made in a cold zone as described in appendix 2, an anti-exposure suit as described in chapter 5.2 shall be used in addition of the work-vest.
5. For personnel working overboard, an inflatable work vest complying with characteristics described in chapter 6 shall be used. If the overboard work is performed in a cold zone, an anti-exposure suit as described in chapter 5.2 shall be used.

4. Escape and evacuation from offshore installations

4.1 Immersion Suits

Immersion suits used for escape and evacuation shall be **SOLAS certified** and comply with **LSA code** chapter 2.3. To reach this, the immersion suit shall be constructed with waterproof materials such that: