



Exploration & Production

GENERAL SPECIFICATION

SUBSEA SYSTEMS

GS EP SPS 027

WORO spread minimum requirements

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1. Scope

The purpose of this General Specification is to define the minimum requirements for each WORO spread, equipment and personnel, to be installed on vessels for the following applications:

- Drilling support
- Construction support
- IMR operations
- Survey applications.

The intent of this General Specification is to allow sufficient flexibility to maximize the benefits from CONTRACTOR's experience and designs.

The use of equipment and components that are field proven is strongly recommended. However use of equipment not field proven shall be submitted to qualification program early in the project and approved by COMPANY.

It is the CONTRACTOR's responsibility to provide a safe, economic and technically fit for purpose WORO spread.

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
ISO 4406	Hydraulic fluid power - Fluids - Method for coding the level of contamination by solid particles
ISO 13628	Petroleum and Natural Gas Industries - Design and operation of subsea production system
ISO 13628-1	Petroleum and Natural Gas Industries - Design and Operation of Subsea Production Systems - Part 1: General Requirements and Recommendations
ISO 13628-8	Petroleum and Natural Gas Industries - Design and Operation of Subsea Production Systems - Part 8: Remotely Operated Vehicle (ROV) Interfaces on Subsea Production Systems
ISO 13628-9	Petroleum and Natural Gas Industries - Design and Operation of Subsea Production Systems - Part 9: Remotely Operated Tool (ROT) Intervention Systems



Professional Documents

Reference	Title
DNV Rules	Rules for Planning and Execution of Marine Operation

Regulations

Reference	Title
Not applicable	

Codes

Reference	Title
IMCA (International Maritime Contractors Association)	Current Guidance collection and Information notes from ROV division (including AODC)

Other documents

Reference	Title
Not applicable	

Total General Specifications

Reference	Title
GS EP SPS 001	Design philosophy and requirements for subsea stations
GS EP SPS 007	Tie-in systems
GS EP SPS 016	Subsea chokes inserts and associated running and retrieval tools

3. Definitions

ROV spread	A complete ROV system including all equipment, spare parts, consumables and dedicated personnel.
Service	means all activities to be performed by CONTRACTOR under the CONTRACT, which include the provision by CONTRACTOR of EQUIPMENT and CONTRACTOR's PERSONNEL.
Site	Means any location where CONTRACTOR shall perform the SERVICE.