

GENERAL SPECIFICATION

SUBSEA SYSTEMS

GS EP SPS 030

Observation ROV spread minimum requirements

04	05/2015	Organisation change – January 2015
03	09/2014	General revision
02	11/2012	General revision
01	08/2012	Updating following the EP reorganization, March 2011
00	01/2011	First issue
Rev.	Date	Purpose of the revision

Owning entity: DSO/TEC

Managing entity: DSO/TEC/SBS

Document update realised by
standards coordination
Reorganisation 2015

General Specification		GS EP SPS 030
Observation ROV spread minimum requirements		
Rev.: 04	Effective date: 05/2015	Page: 2 of 12

Contents

1. Scope	3
2. Reference documents	3
3. Definitions	4
4. Abbreviations	4
5. OBSROV spread: material requirements	4
5.1 General requirement	4
5.2 Operator control cabin	5
5.3 Workshop cabin	6
5.4 Launch and recovery system	6
5.5 Umbilical winch	7
5.6 ROV sensor/tooling package	7
5.7 Tether management system	7
5.8 Remotely operated vehicle	8
5.9 Video Overlay	9
5.10 Operational limitations	9
6. OBSROV spread: personnel requirements	9
6.1 ROV Supervisor Qualification	10
6.2 ROV Pilot/Technician Qualification	10
7. Maintenance requirements	10
8. Interfaces	11
8.1 Interfaces with vessel	11
8.2 Interfaces with subsea production systems	11
9. OBSROV System Documentation	11
Bibliography	12

1. Scope

The purpose of this General Specification is to define the minimum requirements for each OBSROV spread, equipment and personnel, to be installed on any offshore installation 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 OBSROV spread.

2. Reference documents

The reference documents listed below form an integral part of this General Specification.

External Documents

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published at the effective date of this document.

Reference	Title
EN 12079 (Parts 1; 2; 3) ISO 13628-8	Offshore containers and associated lifting sets - Parts 1; 2; 3 Petroleum and Natural Gas Industries - Design and Operation of Subsea Production Systems - Part 8: Remotely Operated Vehicle (ROV) Interfaces on Subsea Production Systems

Total General Specifications

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published in the applicable yearly collection.

Reference	Title
Not applicable	

3. Definitions

OBSROV	Observation ROV.
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.

4. Abbreviations

API	American Petroleum Institute
BST	Basic Safety Training
DP	Dynamic Positioning
GS	General Specification
HPU	Hydraulic Power Unit
HSE	Health Safety and Environment
BOSIET	Basic Offshore Safety Induction and Emergency Training
IMR	Inspection Maintenance and Repair
ISO	International Organization for Standardization
LARS	Launch And Recovery System
MSDS	Material Safety Data Sheet
ROV	Remotely Operated Vehicle
SPS	Subsea Production System
SWL	Safe Working Load
TMS	Tether Management System
VHF	Very High Frequency
OBSROV	Observation Remotely operated Vehicle

5. OBSROV spread: material requirements

5.1 General requirement

An OBSROV spread shall include the following equipment:

- One control cabin
- One launch and recovery system
- One winch including the main lift umbilical
- One hydraulic power unit (HPU) to energize the LARS and the winch