



Exploration & Production

GENERAL SPECIFICATION

SUBSEA SYSTEMS

GS SPS 003

Foundation design considerations for subsea stations

01	08/03	Change of Group name and logo
00	10/02	First issue
Rev.	Date	Notes



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1. Scope

This document provides requirements for Subsea Stations Foundations.

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.

The following types of foundation may be used for various elements of subsea stations:

- Shallow foundations (Gravity base, skirted base, mudmats, skirted mudmats)
- Suction caissons
- Piled foundations
- Hybrid foundations (e.g. coupled suction caisson and pile foundation).

For the design of such foundations reference is made to the **GS GEO 701** general specification.

Geotechnical and Geophysical investigations for subsea structures shall be performed in order to acquire data for the design and installation of the foundations.

Standards

Reference	Title
ISO 13628-1	Subsea production systems

Professional Documents

Reference	Title
Not applicable	

Regulations

Reference	Title
Not applicable	

Codes

Reference	Title
Not applicable	

**Other documents**

Reference	Title
Not applicable	

Total General Specifications

Reference	Title
GS COR 100	Design of cathodic protection of offshore structures
GS GEO 701	Geotechnical data and foundation design considerations for subsea production systems and pipelines
GS SPS 001	Design Philosophy and Requirements for Subsea Stations
GS SPS 009	Corrosion Protection of Subsea equipment
GS SPS 013	Wellhead and Guidance Systems
GS STR 201	Materials for offshore steel structures
GS STR 301	Fabrication of offshore steel structures
GS STR 401	Load-out, sea-fastening, transportation and installation of offshore structures
GS STR 404	Marine aspects for load-out, transportation and installation of offshore structures

3. Responsibility

Deviations from any of the requirements defined herein shall be treated as non-conformances in accordance with COMPANY procedures.

It is the responsibility of anyone who supplies structures and equipment according to this specification to ensure compliance with all relevant statutory requirements.