



Exploration & Production

GENERAL SPECIFICATION

SUBSEA SYSTEMS

GS EP SPS 022

Environmental testing of subsea electronics

04	10/08	Standard references update
03	10/06	Reference ISO 13628 part 6
02	10/05	Addition of "EP" root to GS identification
01	08/03	Change of Group name and logo
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Rev.	Date	Notes



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1. Scope

The purpose of the tests specified in this document are to ensure a minimum level of reliability of electrical and electronic subsea equipment. Section 5 of the specification also applies to such equipment installed on the platform but associated with the subsea installation.

Subsea equipment, once installed, will most likely be operating in a very benign environment. However, in some installations involving rotating machinery and/or large choke valves the equipment may be exposed to long term vibration and switching transients from high voltage equipment. During transportation and installation handling it will be exposed to both shocks and vibrations.

This specification shall apply for the following equipment:

- Modules or subassemblies containing electrical and/or electronic equipment, which are intended for permanent subsea installation
- Modules or subassemblies containing electrical and/or electronic equipment, which are part of tools for maintenance of subsea installations
- Other equipment listed in the Contract to comply with this specification
- Modules or subassemblies containing electrical and/or electronic equipment which are intended for interface to the subsea installation, but which are installed on the platform shall conform to section 5.

This specification shall also apply to electronic equipment intended for down hole installation, unless such equipment is covered by other, more stringent specifications.

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
IEC 1000-4 (parts 1 to 6)	IEC Electromagnetic Compatibility standards for Industrial Process Measurement and Control Equipment

Professional Documents

Reference	Title
Not applicable	

Regulations

Reference	Title
Not applicable	