

GENERAL SPECIFICATION

TELECOMMUNICATIONS

GS EP TEL 161

Audio, video and Internet entertainment system

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1. Scope

This document defines the requirements for the design of the audio, video and internet entertainment system on onshore/offshore production sites or onshore living compounds on non-production sites.

2. Reference documents

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

Where national regulations exist, their provisions and those of the standards and codes to which they refer shall apply, supplementing or amending the provisions of this document.

If there are no national regulations covering all or part of the subject of this document, the reference documents shall be strictly applied, as supplemented by the provisions of this document.

Only the main reference documents are mentioned; the Contractor shall be responsible for complying with all secondary reference documents dealing with the subject of this document.

External Documents

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

Reference	Title
ATEX directive 94/9/CE	Directive of the European parliament and the council on the approximation of the laws of the member states concerning equipment and protective systems intended for use in potentially explosive atmospheres
EN 50081-2	Electromagnetic compatibility. Generic emission standard
IEC/EN 61000-6-2	Electromagnetic compatibility. Generic immunity standard

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Reference	Title
GS EP DEV 001	Asset Objects Tagging
GS EP EXP 101	Pre-Commissioning and Commissioning Specification
GS EP EXP 103	Pre-commissioning and Commissioning engineering and preparation
GS EP EXP 105	Pre-Commissioning Execution
GS EP EXP 107	Commissioning Execution
GS EP SAF 216	Area classification
GS EP TEL 410	Installation rules
GS EP TEL 700	Telecommunications Engineering Services

3. System description

3.1 Hazardous areas

The selection of modes of protection of equipment installed in hazardous areas (satellite dish, radios, microwave) shall be in adequation with the hazardous area classification to be conducted by Project as par [GS EP SAF 216](#) requirements and shall be certified [ATEX directive 94/9/EC](#).

3.2 Audio, video and internet entertainment system description

The system shall provide facilities for audio, video entertainment in cabins and public areas of the living quarters in the form of several channels of telecast (satellite or VHF/UHF) and video recordings and live radio programs and music.

The system shall also provide Internet access in cabins and public areas of the living quarter with WiFi access points.

The whole system shall be based on IP protocol.

In addition, this Specification provides additional details to and completes [GS EP TEL 700](#) regarding the definition of the work and services to be provided by engineering.

The system shall comply with rules and standards in force for public broadcasting network: analog - PAL, SECAM, NTSC and for Digital - ATSC, DVB, ISDB. The present document is based upon the immunity and emission standard [EN 50081-2](#), [IEC/EN 61000-6-2](#).