

GENERAL SPECIFICATION

TELECOMMUNICATION

GS EP TEL 413

Telecom mast telecom requirements

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04	12/2016	Complete revision
03	05/2015	Organisation change – January 2015
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1. Scope

This document describes the requirements for design of new telecom masts to be installed for offshore and onshore oil & gas installations.

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 addendums, is the latest revision published at the effective date of this document.

Reference	Title
ICAO ANNEX 14	ANNEX 14 to the Convention on International Civil Aviation - "Aerodromes"
Directive 94/9/EC	Directive of the European concerning equipment and protective systems intended for use in potentially explosive atmospheres
EN 1993-3-1	Eurocode 3 - Design of steel structures - Part 3-1: Towers, masts and chimneys - Towers and masts

Total General Specifications

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

Reference	Title
GS EP ELE 031	Design of earthing and bonding systems for Offshore Installations
GS EP ELE 032	Design of earthing and bonding systems and lightning protection for Onshore Installations
GS EP TEL 410	Installation rules

3. Installation requirement

Telecommunication mast and antennas shall, as far as possible regarding coverage, be mounted in non hazardous area.

Telecommunication mast shall be used as the primary location of all antennas.

Antennas shall be located to obtain:

- Optimum radio frequency reception/transmission;
- Minimum exposures to damage from heat generated by exhausts or flare booms, etc.;
- Protection from damage by operational activities, i.e. cranes;