



Exploration & Production

GENERAL SPECIFICATION

TELECOMMUNICATIONS

GS EP TEL 170

Design and installation of Communications Network
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03	10/2008	P08 specifications + Standards update and correction Addition of EP root to GS identification
02	10/2005	ICSS addressing plan and transport
01	10/2003	General Revision
00	02/2001	First issue
Rev.	Date	Notes



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1. Scope

This general specification concerns the Office Network, the IP address allocation for ICSS Network and the connection between the Office Network and the Integrated Control & Safety System (ICSS).

The design of the Integrated Control & Safety Systems is not part of this General Specification but is specified as per requirements of **GS EP INS 134** and **GS EP INS 135**. The ICSS includes all the networks used by the control and/or security systems (Process Control System, Process Data Server, Process Shutdown System, Emergency Shutdown System, Fire and Gas System, DCS, "Scada", Measurement).

The purpose of this general specification is:

- The design, the factory and the site acceptance tests of the Office Networks,
- The technical functions and configuration of the interconnection devices (gateways, switches,),
- The IP address allocation for ICSS Network
- The interconnection between the Office Network and ICSS
- The Network transport infrastructure considerations for the ICSS

The verbal forms used to indicate levels of requirement are specified in [ISO/IEC Directives, Part 2](#) and [Characteristics of good requirements](#), INCOSE Symposium.

2. Reference documents

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.

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.