

GENERAL SPECIFICATION

CORROSION

GS EP COR 103

Cathodic protection of offshore floating structures

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07	11/2019	General revision
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1. Scope

This document defines the minimum requirements for the design, calculation methods, selection of equipment and alloy materials, installation and commissioning of cathodic protection of floating structures (FPSO, buoys, etc.). Both external cathodic protection of the structures and internal protection of integrated tanks such as ballast, cargo, slop tanks and process tanks are covered.

Subsea structures (including anchor piles) are not covered in this document but are covered by [GS EP SPS 009](#) and [GS EP SPS 029](#).

2. Reference documents

This document is the TOTAL E&P transposition of the TOTAL S.A. Harmonized GS GR COR 866.

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

External Documents

Reference	Title
EN 13173	Cathodic protection for steel offshore floating structures
IACS	Safer and Cleaner Shipping
ISO 15589-2	Petroleum, petrochemical and natural gas industries - Cathodic protection of pipeline transportation systems - Part 2: Offshore pipelines

Total General Specifications

Reference	Title
GS EP COR 100	Cathodic protection of offshore structures according to DNV-RP-B401
GS EP COR 101	Internal cathodic protection of equipment and storage tanks
GS EP COR 102	Design of cathodic protection of submarine pipelines by galvanic anodes according to ISO 15589-2