



Exploration & Production

GENERAL SPECIFICATION

CORROSION

GS EP COR 102

Design of cathodic protection of sealine by sacrificial anodes

07	01/2012	Editorial changes
06	01/2011	Changes in current densities, minimum anodes thickness
05	10/2009	Changes to weight and dimensions of bracelet anodes
04	10/2008	Specification becomes limited to EP - Clarifications concerning CBF
00	02/2001	First issue
Rev.	Date	Notes

Owner: DEV/TEC

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1. Scope

The aim of the present specification is to define the hypotheses, calculation methods, and materials to be used for the design of cathodic protection systems for sealines, using sacrificial anodes.

2. Reference documents

The reference documents listed below form an integral part of this General Specification and apply when they are not in conflict with those of the present document. 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. Should some requirements of these documents differ, those from [ISO 15589-2](#) prevail.

Standards

Reference	Title
EN 12474	Cathodic protection of sealines
ISO 15589-2	Petroleum and natural gas industries - Cathodic protection of pipeline transportation system - Offshore pipelines

Professional Documents

Reference	Title
DNV-RP-B401	Cathodic protection design
DNV-RP-F103	Cathodic protection of submarine pipelines by sacrificial anodes
NACE SP0169	Control of external corrosion on Underground or Submerged Metallic Piping Systems

Regulations

Reference	Title
Not applicable	

Codes

Reference	Title
Not applicable	