

GENERAL SPECIFICATION

CORROSION

GS EP COR 402

Design of Jacket Cathodic Protection Retrofit Systems
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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 for retrofitting of external cathodic protection on offshore fixed structures (platforms, wharfs, piers, jetties, piles, subsea templates and wells).

Cathodic protection retrofitting shall be implemented using galvanic (or sacrificial) anodes.

This document also gives the rules for anode distribution.

The requirements of the present document supersede those of reference documents, which shall be used in addition when necessary. Recommendations from EN standards or [DNV-RP-B401](#) related to fix or floating offshore structures and to harbour installations shall be followed where they are not conflicting with those of the present document.

This General Specification shall be used for retrofitting cathodic protection on existing structures which are already polarized. It shall never be used for providing cathodic protection to new structures to be installed offshore, as those shall be provided with their own integrated cathodic protection system.

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

Reference	Title
DNV-RP-B401	Cathodic Protection Design
EN 12495	Cathodic protection for fixed steel offshore structures
ISO 15589-2	Petroleum and natural gas industries - Cathodic protection for pipeline transportation systems – Part 2: Offshore Pipelines