

DEP SPECIFICATION

PIPING CLASSES - EXPLORATION AND PRODUCTION

DEP 31.38.01.15-Gen.

February 2014

DESIGN AND ENGINEERING PRACTICE

DEM1



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1. INTRODUCTION

1.1 SCOPE

This DEP specifies requirements and gives recommendations for the piping classes for exploration and production facilities.

The basis of design of the piping classes is given in DEP 31.38.01.10-Gen.

The general requirements for piping systems are specified in DEP 31.38.01.11-Gen.

Excluded from the scope of this DEP are:

- oil and gas transmission pipeline systems;
- piping classes for refineries and chemical plants, which are included in DEP 31.38.01.12-Gen.;
- piping classes that are applicable to Canadian standard CSA Z662, which contained in DEP 31.38.01.23-Gen.

This DEP contains mandatory requirements to mitigate process safety risks in accordance with Design Engineering Manual (DEM) 1 – Application of Technical Standards.

This is a revision of the DEP of the same number dated September 2013. A summary of the changes since the last revision is included in (1.5).

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This DEP is intended for use in facilities related to exploration and production facilities, within the property limits as defined in ASME B31.3:2012, Section 300.1. This DEP may also be applied in other similar facilities.

When DEPs are applied, a Management of Change (MOC) process shall be implemented; this is of particular importance when existing facilities are to be modified.

If national and/or local regulations exist in which some of the requirements could be more stringent than in this DEP, the Contractor shall determine by careful scrutiny which of the requirements are the more stringent and which combination of requirements will be acceptable with regards to the safety, environmental, economic and legal aspects. In all cases, the Contractor shall inform the Principal of any deviation from the requirements of this DEP which is considered to be necessary in order to comply with national and/or local regulations. The Principal may then negotiate with the Authorities concerned, the objective being to obtain agreement to follow this DEP as closely as possible.

1.3 DEFINITIONS

1.3.1 General definitions

The **Contractor** is the party that carries out all or part of the design, engineering, procurement, construction, commissioning or management of a project or operation of a facility. The Principal may undertake all or part of the duties of the Contractor.

The **Manufacturer/Supplier** is the party that manufactures or supplies equipment and services to perform the duties specified by the Contractor.

The **Principal** is the party that initiates the project and ultimately pays for it. The Principal may also include an agent or consultant authorised to act for, and on behalf of, the Principal.

The word **shall** indicates a requirement.

The capitalised term **SHALL [PS]** indicates a process safety requirement.