

DEP SPECIFICATION

**WELDABLE STRUCTURAL STEELS FOR FIXED
OFFSHORE STRUCTURES
(AMENDMENTS/SUPPLEMENTS TO EN 10225 AND
EN 10025)**

DEP 37.19.10.30-Gen.

September 2011

DESIGN AND ENGINEERING PRACTICE



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1. INTRODUCTION

1.1 SCOPE

This DEP specifies requirements and gives recommendations for the supply of weldable structural steel materials for use in fixed offshore structures. It applies to steel jacket substructures, foundation piles and decks.

The scope of this DEP includes the supply of plates, rolled sections, seamless hollow section and welded (HFW) hollow sections. The delivery requirements for tubular members fabricated from rolled plate are also specified. The DEP applies both to material supplied by the Manufacturer and by stockists.

Three steel categories are covered:

Primary: All main structures

Secondary: Secondary structure, i.e. deck stringers, equipment supports and flooring

Tertiary: Stairs Handrails, access platforms

Section 2 of this DEP specifies the technical requirements for primary steel, presented in the form of amendments and supplements to EN 10225:2001 (plus Corr. 1, 2003).

Section 3 of this DEP specifies specific technical requirements for the supply of primary steel tubular members fabricated from plate.

Section 4 of this DEP specifies the technical requirements for secondary and tertiary steels, presented in the form of supplements to EN 10025:2004.

Section 5 of this DEP specifies the documentation and information requirements for primary steel.

Section 6 of this DEP specifies the requirements for storage and the maintenance of traceability.

This is a revision of the DEP of the same number dated July 2008; see (1.5) regarding the changes.

1.2 DISTRIBUTION, INTENDED USE AND REGULATORY CONSIDERATIONS

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This DEP is intended for use in offshore exploration and production facilities.

When DEPs are applied, a Management of Change (MOC) process should 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 may 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 regard 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 word **should** indicates a recommendation.

1.3.2 Specific definitions

The definitions in EN 10025 and EN 10225 shall apply.

1.4 CROSS-REFERENCES

Where cross-references to other parts of this DEP are made, the referenced section number is shown in brackets. Other documents referenced by this DEP are listed in (7).

1.5 SUMMARY OF CHANGES

This DEP is a revision of the DEP of the same number dated July 2008. This revision has been editorial, with no technical changes.

1.6 COMMENTS ON THIS DEP

Comments on this DEP may be sent to the Administrator at standards@shell.com, using the DEP Feedback Form. The DEP Feedback Form can be found on the main page of "DEPs on the Web", available through the Global Technical Standards web portal <http://www.shell.com/standards> and on the main page of the DEPs DVD-ROM.