

DEP SPECIFICATION

OFFSHORE FACILITIES LIFE-SAVING APPLIANCE REQUIREMENTS (AMENDMENTS/SUPPLEMENTS TO SOLAS AND ASSOCIATED LSA)

DEP 80.80.00.10-Gen.

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(DEP Circular 61/12 has been incorporated)

DESIGN AND ENGINEERING PRACTICE

DEM1



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All administrative queries should be directed to the DEP Administrator in Shell GSI.

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1. INTRODUCTION

1.1 SCOPE

This DEP specifies requirements and gives recommendations for the design, manufacture, testing and operation of life-saving appliances for secondary and tertiary methods of abandonment of offshore facilities described below.

Section (3) of this DEP gives amendments and supplements to SOLAS and LSA, and sections (2) and (4) give further supplements, all of which are considered necessary to ensure compliance with Shell Group requirements. Where this DEP remains silent on a particular required topic (for example aspects of Free-fall Lifeboats), the SOLAS and LSA requirements apply fully. The wording “shall comply” is intended to mean “shall comply with SOLAS and LSA” unless specifically stated otherwise.

The numbering of regulations in section (3) purposely does not follow SOLAS and LSA, so that the most recent editions can be applied. The intent is to refer to the relevant topics of SOLAS & LSA in this DEP.

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 January 2010; see (1.5) regarding the changes.

1.2 DISTRIBUTION, INTENDED USE AND REGULATORY CONSIDERATIONS

Unless otherwise authorised by Shell GSI, the distribution of this DEP is confined to Shell companies and, where necessary, to Contractors and Manufacturers/Suppliers nominated by them.

This DEP is intended for use in facilities related to oil and gas production. This DEP may also be applied in other similar 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 AND ABBREVIATIONS

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 lower-case word **shall** indicates a requirement.

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

The word **should** indicates a recommendation.

1.3.2 Abbreviations

HSE	Health, Safety and Environment
IMO	International Maritime Organisation
LSA	Life-Saving Appliances, International Maritime Organisation publication (referred to as "Code" in SOLAS)
SOLAS	Safety of life at Sea, International Maritime Organisation publication.
STL	Static Test Load
SWT	Safe Winch Test
SWL	Safe Working Load
TEMPSC	Totally Enclosed Motor Propelled Survival Craft

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 in this DEP are listed in (5).

1.5 SUMMARY OF MAIN CHANGES SINCE LAST EDITION

This DEP is a revision of the DEP of the same number dated January 2010.

The following are the main, non-editorial changes.

Old section	New section	Change
General	General	Some of the process safety requirements, capitalised term "SHALL [PS]", were removed.
3.3.2.1	3.3.2.1	Further requirements for lifeboats added.
ALL	ALL	Requirements were made to refer to the most recent International Maritime Organization (IMO) versions of "SOLAS" and LSA" without having to invoke the edition date or specific numbering that follows SOLAS/LSA numbering.
Title	Title	Change title to add LSA explicitly

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.

1.7 DUAL UNITS

**Amended per
Circular 61/12**

Dual units have been incorporated throughout this DEP.

This DEP contains both the International System (SI) units, as well as the corresponding US Customary (USC) units, which are given following the SI units in brackets. When agreed by the Principal, the indicated USC values/units may be used.