

DEP SPECIFICATION

DESIGN OF OFFSHORE LIVING QUARTERS

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DESIGN AND ENGINEERING PRACTICE



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1. INTRODUCTION

1.1 SCOPE

This DEP specifies the minimum requirements and gives recommendations for the design of Living Quarters (LQ) for offshore installations.

This DEP covers the complete architectural and technical services for the design and construction of new LQ and for the refurbishment of existing LQ on offshore fixed and mobile installations. This DEP may also be used as an addition to new project contracting specifications as a part of a design brief. Compliance with this DEP is not intended to be a requirement for the temporary charter of drilling, accommodation or other construction activity related vessels.

This is a revision of the DEP of the same number dated February 2013; 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. Any authorised access to DEPs does not for that reason constitute an authorisation to any documents, data or information to which the DEPs may refer.

This DEP is intended for use in facilities related to offshore oil and gas production. 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 word **should** indicates a recommendation.

The word **may** indicates a permitted option.

1.3.2 Specific definitions

Term	Definition
Living quarters	Permanently enclosed spaces such as cabins, dining rooms, galleys, recreation rooms, sick-bay, offices, change rooms, ablution areas and similar spaces used for the accommodation and welfare of personnel.
Accommodation space	Any room used for eating, sleeping, cooking or recreation, as an office, sick bay, laundry room or locker room, any corridor giving access to any of these rooms, and any store room in the vicinity of any of these rooms.
Ancillary rooms	Those spaces which include the HVAC plant rooms, electrical switch rooms, battery rooms and suchlike which could serve both the LQ and the installation.
Clean area	A hygienic area, to be kept free from dirt or contaminating matter.
Control stations	Those spaces in which the radio, central fire detection or control, the installation's central internal communication equipment, the emergency source of power or the emergency switchboard and the overall control equipment of the facility are located.
Hazardous areas:	Typically, as defined in IP 15 but other codes are similar:
Zone 0	Areas in which an explosive gas-air mixture is continuously present, or present for long periods.
Zone 1	Areas in which an explosive gas-air mixture is likely to occur in normal operation.
Zone 2	Area in which an explosive gas-air mixture is not likely to occur in normal operation and, if it occurs, it will exist only for a short time.
Non-hazardous	By implication, an area which is not classified as Zone 0, 1 or 2 is deemed non-hazardous.
Normally manned offshore installation	An offshore installation on which persons are normally present.
Not normally manned installation	An offshore installation on which persons are not normally present. Such installations might be required to include facilities for personnel whilst on board.
Mobile installation	An offshore installation, other than a floating production platform, which can be moved from place to place without major dismantling or modification, whether or not it has its own motive power.
Sick bay	A room for the medical treatment and care of sick and injured persons.
Welfare needs	Those essential needs of personnel on offshore installations which include private areas for sleeping and resting, personal hygiene areas for washing, showering and changing, and areas for catering, food storage, dining, laundry, recreation and medical requirements.

1.3.3 Abbreviations

Term	Definition
HVAC	Heating, ventilation and air-conditioning
ECP	Emergency control point
EER	Escape, Evacuation and Rescue
ERP	Emergency radio point
OIM	Offshore Installation Manager
ICC	Installation Control Centre
MDPE	Medium Density Polyethylene
NUI	Normally Unattended Installation
PCF	Permit Control Facility
MARPOL	Marine Pollution
CCR	Central Control Room
POB	Personnel on Board
TR	Temporary Refuge
LQ	Living Quarters

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 (8).

1.5 SUMMARY OF MAIN CHANGES

This is a revision of the DEP of the same number dated February 2017. This is an administrative update only to correct references to DEPs that have been involved in either a merge or a split.

1.6 COMMENTS ON THIS DEP

Comments on this DEP may be submitted to the Administrator using one of the following options:

Shell DEPs Online (Users with access to Shell DEPs Online)	Enter the Shell DEPs Online system at https://www.shelldeps.com Select a DEP and then go to the details screen for that DEP. Click on the "Give feedback" link, fill in the online form and submit.
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