

Helicopter deck on offshore installations

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Foreword

The NORSOK standards are developed by the Norwegian petroleum industry to ensure adequate safety, value adding and cost effectiveness for petroleum industry developments and operations. Furthermore, NORSOK standards are as far as possible intended to replace oil company specifications and serve as references in the authorities' regulations.

The NORSOK standards are normally based on recognised international standards, adding the provisions deemed necessary to fill the broad needs of the Norwegian petroleum industry. Where relevant, NORSOK standards will be used to provide the Norwegian industry input to the international standardisation process. Subject to development and publication of international standards, the relevant NORSOK standard will be withdrawn.

The NORSOK standards are developed according to the consensus principle generally applicable standards work and according to established procedures defined in NORSOK A-001.

The NORSOK standards are prepared and published with support by The Norwegian Oil Industry Association (OLF) and Federation of Norwegian Manufacturing Industries (TBL).

NORSOK standards are administered and published by Standards Norway.

Introduction

This NORSOK standard is based on practical experiences accumulated from helicopter operations on the Norwegian continental shelf. Relevant information has been provided by oil companies, helicopter operators and The Foundation for Scientific and Industrial Research at The Norwegian University of Science and Technology (SINTEF). A joint industry project on helideck safety was completed in January 2000. The main conclusions and recommendations are included in this NORSOK standard.

This NORSOK standard focuses on a rational selection of design criteria and other measures, to increase safety and flight regularity in connection with offshore helicopter deck operations.

The requirements in this NORSOK standard are generally defined as functional requirements. Certain technical requirements are, however, specified when deemed necessary.

1 Scope

This NORSOK standard defines the basic requirements for design, arrangement and engineering of helicopter decks on offshore installations in the petroleum industry. This NORSOK standard covers fixed type installations, normally unmanned installations, floating installations, production, drilling and storage vessels.

2 Normative and informative references

The following standards include provisions and guidelines which, through reference in this text, constitute provisions and guidelines of this NORSOK standard. Latest issue of the references shall be used unless otherwise agreed. Other recognized standards may be used provided it can be shown that they meet or exceed the requirements and guidelines of the standards referenced below.

2.1 Normative references

NORSOK C-002,	<i>Architectural components and equipment.</i>
NORSOK M-102,	<i>Structural aluminium fabrication.</i>
NORSOK M-501,	<i>Surface preparation and protective coating.</i>
NORSOK N-002,	<i>Collection of metocean data.</i>
NORSOK S-001,	<i>Technical safety.</i>
NORSOK S-002,	<i>Working environment.</i>
BSL D5-1,	<i>Bestemmelser for sivil luftfart (Regulation for civil aviation).</i>
ICAO,	<i>Annex 14</i>

2.2 Informative references

None.

3 Terms, definitions and abbreviations

For the purposes of this NORSOK standard, the following terms, definitions and abbreviations apply.

3.1 Terms and definitions

3.1.1

shall

verbal form used to indicate requirements strictly to be followed in order to conform to this NORSOK standard and from which no deviation is permitted, unless accepted by all involved parties

3.1.2

should

verbal form used to indicate that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others, or that a certain course of action is preferred but not necessarily required

3.1.3

may

verbal form used to indicate a course of action permissible within the limits of this NORSOK standard

3.1.4

can

verbal form used for statements of possibility and capability, whether material, physical or casual

3.1.5

helideck

dedicated helicopter landing area on offshore installations

3.2 Abbreviations

BSL	Bestemmelser for Sivil Luftfart (Regulation for Civil Aviation)
CFD	computational fluid dynamics