

Health, Safety and Environment (HSE) in construction-related activities

This NORSOK standard is developed with broad petroleum industry participation by interested parties in the Norwegian petroleum industry and is owned by the Norwegian petroleum industry represented by OLF and TBL. Please note that whilst every effort has been made to ensure the accuracy of this standard, neither OLF nor TBL or any of their members will assume liability for any use thereof. NTS is responsible for the administration and publication of this standard.

Norwegian Technology Centre
Oscarsgt. 20, Postbox 7072 Majorstuen
N-0306 Oslo
NORWAY

Copyrights reserved

Telephone: + 47 22 59 01 00
Fax: + 47 22 59 01 29
Email: norsok@nts.no
Website: www.nts.no/norsok



Documents
Document Sharing Hub

Foreword	2
Introduction	2
1 Scope	3
2 Normative references	3
3 Terms and definitions	3
4 Responsibility	5
5 HSE – risk assessments	6
5.1 Introduction	6
5.2 Step 1: Hazard identification and overall risk assessment	6
5.3 Step 2: Site / activity related risk assessment	7
5.4 Step 3: Safe Job Analysis (SJA)	7
6 HSE programme	7
7 Construction feasibility studies	8
8 HSE reporting	9
8.1 Control and follow up of activities	9
8.2 Notifying and reporting undesirable events/conditions	9
8.3 Instruction from the authorities	9
8.4 Monthly HSE reporting	9
Annex A (informative) Classification of risk/risk matrix	10
Annex B (informative) HSE risk assessment form	11
Annex C (informative) HSE reporting	12

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 Subject to development and publication of international standards, the relevant NORSOK standard will be withdrawn.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 supported by OLF (The Norwegian Oil Industry Association) and TBL (Federation of Norwegian Manufacturing Industries). NORSOK standards are administered and published by NTS (Norwegian Technology Centre).

Annexes A, B and C are informative.

Introduction

This standard is a revision of NORSOK S-CR-002N, renumbered to NORSOK S-012.

This standard applies to the execution of construction-related activities on- and offshore, as well as marine installation activities. This includes the construction of new installations, shut-down/decommissioning and modifications to/upgrading of existing installations.

The intention is to ensure that adequate precautionary measures are taken in order to prevent harmful effects to people, the environment or material assets in connection with the scope of work. The standard focuses on conditions that can be controlled at the construction site, and presupposes that HSE aspects related to the execution of the construction-related activities are addressed during the engineering phase.

The entire standard has been revised. Revision 2 focuses on ensuring that the content and requirements in this standard shall be project-specific, rather than defining requirements to the Company's HSE management system, which is addressed in NORSOK S-006.

1 Scope

This standard defines requirements related to health, safety and environment (HSE) related to construction and installation- activities on- and offshore, including marine installation activities.

The requirements in this standard set requirements to each project execution.

NORSOK S-006 describes requirements to the Company's HSE management system, which is therefore not covered by this standard.

The standard attempts to define a process for the project through which all involved parties focus on risk, activity, responsibility, systematisation and communication/collaboration.

When contracts are entered into for simple assignments with limited risk, the Company and the Contractor shall agree on the extent to which the standard shall be applied.

2 Normative 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.

NORSOK S-002	Working environment
NORSOK S-006	HSE evaluation of contractors
NORSOK J-003	Marine operations

3 Terms and definitions

3.1

Scope of work

all work to be done, all materials to be delivered, and all commitments to be fulfilled by the Contractor under the terms of the contract

3.2

Contractor

the company or person named in the contract and who is to be responsible for the delivery in accordance with the specified terms

3.3

Company

the company named in the contract that has ordered the delivery

3.4

principal enterprise

the company with statutory responsibility under Norway's Working Environment Act for coordinating work on safety and working environment in the individual companies

3.5

shall

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

3.6

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