

NORSOK STANDARD

TECHNICAL INFORMATION FLOW REQUIREMENTS

Z-003
Rev. 2, May 1998

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This NORSOK standard is developed by NTS with broad industry participation. 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 Standards Institution
Oscarsgt. 20, Postbox 7072 Majorstua
N-0306 Oslo, NORWAY

Telephone: + 47 22 59 67 00 Fax: + 47 22 59 67 29
Email: nts@nts.no Website: <http://www.nts.no/norsok>

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FOREWORD

NORSOK (The competitive standing of the Norwegian offshore sector) is the industry initiative to add value, reduce cost and lead time and eliminate unnecessary activities in offshore field developments and operations.

The NORSOK standards are developed by the Norwegian petroleum industry as a part of the NORSOK initiative and supported by OLF (The Norwegian Oil Industry Association) and TBL (Federation of Norwegian Engineering Industries). NORSOK standards are administered and issued by NTS (Norwegian Technology Standards Institution).

The purpose of NORSOK standards is to contribute to meet the NORSOK goals, e.g. by replacing individual oil company specifications and other industry guidelines and documents for use in existing and future petroleum industry developments.

The NORSOK standards make extensive references to international standards. Where relevant, the contents of a NORSOK standard will be used to provide input to the international standardisation process. Subject to implementation into international standards, the NORSOK standard will be withdrawn.

Annexes A, B and C are informative.

INTRODUCTION

This standard has been renumbered from Z-CR-003 to Z-003, and revision no. 2 is a general update in view of current development of the subject matter. It has a sharper focus on practical implementation. Internet mail is now the preferred email standard, but X400 may also be used.

This standard relies on a number of international and defacto industry standards in rapid development. Therefore, some further background information to the standards and organizations referenced in this NORSOK standard may be found on the NTS/NORSOK Internet website. Ref URL: <http://www.nts.no/stdkom/nts/k114agz5.htm>.

Annex A, which has been extensively revised, includes a lists standards and draft standards under observation that may influence later revisions of this NORSOK standard. Annex B, including the Document Type Definitions, has been added and Annex C includes a summary template of this standard. It may be used for selecting correct standards depending on type of deliverable.

1 SCOPE

This NORSOK standard provides requirements for electronic storage and interchange of technical information and data between all parties and during all phases of an offshore installation's life cycle.

It defines precise requirements for use of formal standards where these exists. In other areas specific recommendations are given.

2 NORMATIVE REFERENCES

The following standards include provisions which, through reference in this text, constitute provisions 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 of the standards referenced below.

ISO 8601	Representation of dates and time.
ISO 8632	Computer Graphics Metafile (CGM).
ISO 8859	8-bit single-byte coded graphic character set.
ISO 8879	Standard generalised mark-up language (SGML).
ISO 9529	Data interchange on 90 mm (3,5 in) flexible disk cartridge using modified frequency modulation recordings at 15916 ft/rad, and 80 tracks on each side.
ISO 9660	Volume and file structure of CD-ROM for information interchange.
ISO 10021	Message-Oriented Text Interchange Systems (MOTIS) (X.400)
ISO 10303	Product data representation and exchange.
ISO 10918	Digital Compression and coding of continuous-tone still images (JPEG).
ISO 11172	Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s (MPEG 1).
ISO 13346	Volume and file structure of write-once and rewritable media using non-sequential recording for information interchange
ISO 13818	Generic coding of moving pictures and associated audio information (MPEG 2).
POSC/Caesar	POSC/Caesar (standard) snapshots
PostScript	De facto standard printer command language (developed by ADOBE, open for free use)

RFC-765	File Transfer Protocol, J. Postel, June 1980
RFC-821	Simple Mail Transfer Protocol, J. Postel, August 1982
RFC-822	Standard for the format of ARPA Internet text messages, D.H. Crocker, August 13, 1982
RFC-1521	MIME (Multipurpose Internet Mail Extensions) Part One: Mechanisms for Specifying and Describing the Format of Internet Message Bodies , N. Borenstein, N. Freed, Sept. 1993
RFC-1522	MIME (Multipurpose Internet Mail Extensions) Part Two: Message Header Extensions for Non-ASCII Text, K. Moore, Sept. 1993
RFC-1866	Hypertext Markup Language (HTML)

3 DEFINITIONS AND ABBREVIATIONS

3.1 Definitions

CAD model	CAD data describing a production facility organised in a data base.
Concurrent engineering	The integration and parallel execution of engineering and manufacturing processes, considering all elements of the product life cycle from conception of the design to disposal of the product. (This is also known as simultaneous engineering).
Common data base	A collection of project-related technical, non-commercial data available for use by all parties involved in a project, independent of the physical data structure(s) employed and of the application(s) used to create, update or delete it.
De facto standards	Commonly used supplier-controlled proprietary standards or publicly available specifications .
Electronic signature	A method that gives a person the possibility to mark a connection between a document and the person. If the document is changed, the signature will automatically become obsolete.
Extranet	Project/branch specific Intranets
Formal standards	International, regional and national standards.
Internet	The physical network of computers that conform to the TCP and IP protocols and are managed by the Network Information Centre (NIC).