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Responsible committee: JPEL/18 Electrical installations of ships and of mobile and fixed offshore units

Interested committees:

Title: BS IEC 61892-4 Mobile and fixed offshore units - Electrical installations

Part 4: Cables

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- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



18/1836/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER: IEC 61892-4 ED3	
DATE OF CIRCULATION: 2023-06-02	CLOSING DATE FOR COMMENTS: 2023-09-22
SUPERSEDES DOCUMENTS: 18/1749/RR	

IEC TC 18 : ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS	
SECRETARIAT: Norway	SECRETARY: Mr Arild Røed
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 2,TC 8,SC 8A,SC 8B,TC 17,SC 17A,SC 17C,SC 18A,TC 20,TC 21,TC 22,SC 22E,SC 22F,SC 22G,SC 22H,SC 23H,TC 31,SC 31J,TC 64,TC 65,SC 65A,SC 65B,SC 65C,SC 65E,TC 73,TC 77,TC 80,TC 88,TC 94,TC 99,TC 121,SC 121A,SC 121B	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.
FUNCTIONS CONCERNED: ☒ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☒ SAFETY	

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Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any local regulations or technical reasons that may exist and should be considered should this proposal proceed, recognizing that failure to address such requirements could result in the need for new or existing "In Some Countries" clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

Mobile and fixed offshore units - Electrical installations - Part 4: Cables

NOTE FROM TC/SC OFFICERS:

MT 18 has revised the seven parts of the IEC 61892 series. There are several technical changes made in all seven parts. However, we would like to highlight that IEC 61892-7 has been restructured with separate clauses that deals with IEC 61892-10-1 and IEC

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MOBILE AND FIXED OFFSHORE UNITS –
ELECTRICAL INSTALLATIONS –

Part 4: Cables

FOREWORD

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- IEC 61892-4 has been prepared by IEC technical committee 18: Electrical installations of ships and of mobile and fixed offshore units. It is an International Standard.

This **third** edition cancels and replaces the **second** edition published in **2019-04**. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

This list will be developed when preparing the CDV. See instead the red line version provided as a supplementary working document.

- 94 a) ...;
95 b)

96 The text of this International Standard is based on the following documents:

Draft	Report on voting
XX/XX/FDIS	XX/XX/RVD

97
98 Full information on the voting for its approval can be found in the report on voting indicated in
99 the above table.

100 The language used for the development of this International Standard is **English**.

101 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
102 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available
103 at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are
104 described in greater detail at www.iec.ch/publications.

105 The committee has decided that the contents of this document will remain unchanged until the
106 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
107 specific document. At this date, the document will be

- 108 • reconfirmed,
109 • withdrawn,
110 • replaced by a revised edition, or
111 • amended.

112

113

INTRODUCTION

114 IEC 61892 forms a series of International Standards for safety in the design, selection,
115 installation, maintenance and use of electrical equipment for the generation, transmission,
116 storage, distribution and utilization of electrical energy for all purposes in offshore units which
117 are used for the purpose of exploration or exploitation of petroleum resources.

118 This part of IEC 61892 incorporates and coordinates, as far as possible, existing rules and
119 forms a code of interpretation, where applicable, of the requirements of the International
120 Maritime Organization (IMO), and constitutes a guide for future regulations which may be
121 prepared and a statement of practice for offshore unit owners, designers, installers and
122 appropriate organizations.

123 This document is based on solutions and methods which are in current use, but it is not intended
124 to impede the development of new or improved techniques.

125 In this revision, voltage limitations have been removed. However, voltage limitations may be
126 given in the referenced equipment standards. The removal of voltage limitations is considered
127 necessary due to the interconnection of, and supply from shore to offshore units. In such cases,
128 transmission voltages up to 132 kV AC and 150 kV DC are used and higher voltages are being
129 planned.

130 The IEC 61892 series aims to constitute a set of International Standards for the offshore
131 petroleum industry, but it is not intended to prevent their use beyond petroleum installations.

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