

This is a preview of "BS IEC 61892-1:2015". [Click here to purchase the full version from the ANSI store.](#)

BS IEC 61892-1:2015



BSI Standards Publication

Mobile and fixed offshore units — Electrical installations

Part 1: General requirements and conditions

bsi.

...making excellence a habit.™

This is a preview of "BS IEC 61892-1:2015". [Click here to purchase the full version from the ANSI store.](#)

This British Standard is the UK implementation of IEC 61892-1:2015. It supersedes BS IEC 61892-1:2010 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee JPEL/18, Electrical installations of ships and of mobile and fixed offshore units.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2015.

Published by BSI Standards Limited 2015

ISBN 978 0 580 84984 8

ICS 29.260.99; 47.020.60; 75.180.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2015.

Amendments/corrigenda issued since publication

Date	Text affected
-------------	----------------------



NORME INTERNATIONALE



Mobile and fixed offshore units – Electrical installations – Part 1: General requirements and conditions

Unités mobiles et fixes en mer – Installations électriques – Partie 1: Exigences générales et conditions

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 47.020.60

ISBN 978-2-8322-2784-8

**Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.**

This is a preview of "BS IEC 61892-1:2015". Click here to purchase the full version from the ANSI store.

CONTENTS

FOREWORD	4
INTRODUCTION	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	8
4 General requirements and conditions	11
4.1 General	11
4.2 Acceptance of substitutes or alternatives	12
4.3 Additions and alterations	12
4.4 Environmental conditions	12
4.4.1 General	12
4.4.2 Design parameters	12
4.5 Materials	13
4.6 Power supply system characteristics	14
4.6.1 General	14
4.6.2 AC distribution systems	14
4.6.3 DC distribution systems	16
4.7 Manual disconnection	17
4.8 Electrical apparatus for explosive gas atmospheres	17
4.9 Clearance and creepage distances	17
4.10 Insulation	17
4.11 Maintenance and inspection	17
4.12 Cable entries	18
4.13 Precautions against vibration and mechanical shock	18
4.14 Location of electrical equipment in units	18
4.15 Mechanical protection	18
4.16 Protection from heat, water, steam and oil	18
4.17 Protection against electrical shock	19
4.18 Enclosures	19
4.19 Environmental impact	19
Annex A (informative) Degree of protection	20
A.1 Definitions of numerals in the IP code	20
Annex B (informative) Cold climate precautions	22
Annex C (informative) Specification of surface treatment and protective painting system	23
C.1 Objectives	23
C.2 General and specification	23
C.2.1 General	23
C.2.2 Atmospheric corrosivity categories for protective painting systems	23
C.2.3 Durability performance of a protective painting system	24
Annex D (informative) DC distribution systems	26
D.1 DC distribution systems	26
Bibliography	27
Figure D.1 – Typical configuration of DC distribution system	26