

Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 5: BeiDou navigation satellite system (BDS) - Receiver equipment - Performance requirements, methods of testing and required test results

EESTI STANDARDI EESSÕNA

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English Version

Maritime navigation and radiocommunication equipment and
systems - Global navigation satellite systems (GNSS) - Part 5:
BeiDou navigation satellite system (BDS) - Receiver equipment -
Performance requirements, methods of testing and required test
results
(IEC 61108-5:2020)

Matériels et systèmes de navigation et de
radiocommunication maritimes - Système mondial de
navigation par satellite (GNSS) - Partie 5: Système de
navigation par satellite BeiDou (BDS) - Matériels de
réception - Exigences de performances, méthodes d'essai
et résultats d'essai exigés
(IEC 61108-5:2020)

Navigations- und Funkkommunikationsgeräte und -systeme
für die Seeschifffahrt - Weltweite Navigations-
Satellitensysteme (GNSS) - Teil 5: BeiDou
Satellitennavigationssystem (BDS) - Empfangsanlagen -
Leistungsanforderungen, Prüfverfahren und geforderte
Prüfergebnisse
(IEC 61108-5:2020)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 80/952/FDIS, future edition 1 of IEC 61108-5, prepared by IEC/TC 80 "Maritime navigation and radiocommunication equipment and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61108-5:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-01-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-04-15

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61108 (series)	NOTE	Harmonized as EN 61108 (series)
IEC 61162-460	NOTE	Harmonized as EN IEC 61162-460

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60721-3-6	1987	Classification of environmental conditions. Part 3: Classification of groups of environmental parameters and their severities. Ship environment	EN 60721-3-6	1993
IEC 60945	-	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results	EN 60945	-
IEC 61108-4	-	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 4: Shipborne DGPS and DGLONASS maritime radio beacon receiver equipment - Performance requirements, methods of testing and required test results	EN 61108-4	-
IEC 61162-1	-	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners	EN 61162-1	-
IEC 61162-2	-	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission	EN 61162-2	-
IEC 61162-450	-	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection	EN IEC 61162-450	-

IEC 62288	- Maritime navigation and radiocommunication equipment and systems - Presentation of navigation-related information on shipborne navigational displays - General requirements, methods of testing and required test results	-	-
IEC 62923-1	- Maritime navigation and radiocommunication equipment and systems - Bridge alert management - Part 1: Operational and performance requirements, methods of testing and required test results	EN IEC 62923-1	-
IEC 62923-2	- Maritime navigation and radiocommunication equipment and systems - Bridge alert management - Part 2: Alert and cluster identifiers and other additional features	EN IEC 62923-2	-
ITU-R M.823-3	- Technical characteristics of differential transmissions for global navigation satellite systems from maritime radio beacons in the frequency band 283.5-315 kHz in Region 1 and 285-325 kHz in Regions 2 and 3	-	-
IMO A.694(17)	- General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids	-	-
IMO A.915(22)	- Revised maritime policy and requirements for a future Global Navigation Satellite System (GNSS)	-	-
IMO A.1046(27)	- Worldwide radionavigation system	-	-
IMO MSC.379(93)	- Performance standards for shipborne BeiDou satellite navigation system (BDS) receiver equipment	-	-
IMO MSC.401(95)	- Performance standards for multi-system shipborne radionavigation receivers	-	-
RTCM 10402.4	- Recommended standards for differential GNSS (Global Navigation Satellite Systems) service	-	-
BDS-SIS-ICD-B1I-3.0	- BeiDou Navigation Satellite System Signal In Space Interface Control Document Open Service Signal B1I (Version 3.0), China Satellite Navigation Office	-	-

CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms, definitions and abbreviated terms	7
3.1 Terms and definitions.....	7
3.2 Abbreviated terms.....	8
4 Minimum performance requirements	9
4.1 Object.....	9
4.2 BDS receiver equipment	9
4.2.1 Minimum facilities	9
4.2.2 Configuration	9
4.2.3 Quality assurance.....	10
4.3 Performance of BDS receiver equipment.....	10
4.3.1 General	10
4.3.2 Equipment interfaces	10
4.3.3 Accuracy	12
4.3.4 Acquisition.....	12
4.3.5 Protection	13
4.3.6 Antenna design.....	13
4.3.7 Sensitivity and dynamic range	13
4.3.8 Effects of specific interfering signals.....	13
4.3.9 Position update.....	14
4.3.10 Differential BDS input	14
4.3.11 Navigation warnings and status indications.....	15
4.3.12 Output of COG, SOG and UTC	17
4.3.13 Typical interference conditions	18
5 Methods of testing and required test results	18
5.1 Test sites	18
5.2 Test sequence	19
5.3 Standard test signals	19
5.4 Determination of accuracy	19
5.5 General requirements and presentation requirements	20
5.5.1 Normal environmental conditions for tests	20
5.5.2 General requirements	20
5.5.3 Presentation requirements.....	20
5.6 Receiver performance tests	20
5.6.1 BDS receiver equipment	20
5.6.2 Position output.....	20
5.6.3 Equipment interfaces	20
5.6.4 Accuracy	20
5.6.5 Acquisition.....	22
5.6.6 Protection	23
5.6.7 Antenna design.....	23
5.6.8 Sensitivity and dynamic range	23
5.6.9 Protection from other shipborne transmitters	23
5.6.10 Position update.....	24
5.6.11 Differential BDS input	24

5.6.12	Navigational warnings and status indications	25
5.6.13	Accuracy of COG and SOG.....	27
5.6.14	Validity of COG and SOG information	28
5.6.15	Output of UTC	28
5.7	Tests for typical RF interference conditions.....	28
5.7.1	Simulator conditions	28
5.7.2	Navigation solution accuracy test.....	28
5.7.3	Re-acquisition test.....	29
Annex A	(normative) Typical BDS interference environment.....	31
A.1	BDS CW in-band and near-band interference environment.....	31
A.2	Band-limited noise-like interference	32
A.3	Pulsed interference	33
A.4	BDS minimum antenna gain	34
Annex B	(normative) Alert management.....	35
Annex C	(normative) Sentences to support BDS receiver operation	36
C.1	General.....	36
C.2	DTM – Datum reference	36
C.3	GBS – GNSS satellite fault detection	37
C.4	GDC – GNSS differential correction	39
C.5	GFA – GNSS fix accuracy and integrity	41
C.6	GNS – GNSS fix data.....	42
C.7	GRS – GNSS range residuals	45
C.8	GSA – GNSS DOP and active satellites	47
C.9	GST – GNSS pseudorange error statistics	49
C.10	GSV – GNSS satellites in view	50
Bibliography	53
Figure 1	– Logical interfaces of BDS receiver	11
Figure A.1	– CW interference thresholds for BDS receivers in steady-state navigation.....	32
Figure A.2	– Interference thresholds versus bandwidth for BDS	33
Table 1	– Acquisition time limits.....	13
Table 2	– RAIM integrity states	17
Table 3	– Accuracy of COG	18
Table 4	– RF interference value	29
Table A.1	– CW interference thresholds for BDS receivers in steady-state navigation.....	31
Table A.2	– Interference threshold for band-limited noise-like interference to BDS receivers in steady-state navigation	33
Table A.3	– Interference characteristics for pulsed interference	34
Table A.4	– BDS minimum antenna gain	34
Table B.1	– Required alerts and their classification.....	35

INTERNATIONAL ELECTROTECHNICAL COMMISSION

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS – GLOBAL NAVIGATION SATELLITE SYSTEMS (GNSS) –**Part 5: BeiDou navigation satellite system (BDS) – Receiver equipment – Performance requirements, methods of testing and required test results**

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FDIS	Report on voting
80/952/FDIS	80/955/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

All text of this document, whose meaning is identical to that in IMO resolution MSC.379(93), is printed in italics and the resolution and paragraph numbers are indicated in brackets, i.e. (M.379/A1.2).

A list of all parts in the IEC 61108 series, published under the general title *Maritime navigation and radiocommunication equipment and systems – Global navigation satellite systems (GNSS)*, can be found on the IEC website.

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