



SLOVENSKI STANDARD

SIST EN 62388:2014

01-januar-2014

Nadomešča:
SIST EN 62388:2008

Oprema in sistemi za pomorsko navigacijo in radiokomunikacije - Ladijski radar - Tehnične zahteve, metode preskušanja in zahtevani rezultati preskušanja

Maritime navigation and radiocommunication equipment and systems - Shipborne radar - Performance requirements, methods of testing and required test results

Navigations- und Funkkommunikationsgeräte und -systeme für die Seeschifffahrt - Radar für Schiffe - Leistungsanforderungen, Prüfverfahren und geforderte Prüfergebnisse

Equipements et systèmes de navigation et de radio-communications maritimes - Radars embarqués - Exigences de performance, méthodes de test et résultats attendus

Ta slovenski standard je istoveten z: EN 62388:2013

ICS:

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47.020.70	Navigacijska in krmilna oprema	Navigation and control equipment

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62388

October 2013

ICS 33.060; 47.020.70

Supersedes EN 62388:2008

English version

**Maritime navigation and radiocommunication equipment and systems -
Shipborne radar -
Performance requirements, methods of testing and required test results
(IEC 62388:2013)**

Matériels et systèmes de navigation et de
radiocommunication maritimes -
Radars de bord -
Exigences de performance, méthodes
d'essai et résultats exigés
(CEI 62388:2013)

Navigations- und
Funkkommunikationsgeräte und -systeme
für die Seeschifffahrt -
Radar für Schiffe -
Leistungsanforderungen, Prüfverfahren
und geforderte Prüfergebnisse
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CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 80/696/FDIS, future edition 2 of IEC 62388, 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 62388:2013.

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) 2014-04-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-07-31

This document supersedes EN 62388:2008.

EN 62388:2013 includes the following significant technical changes with respect to EN 62388:2008:

- In 6.2 (Transmission and interference) reference is now made to a revised Annex B (Unwanted emissions) where the mask has been tightened from 20 dB/decade to 30 dB/decade in line with ITU requirements and a new informative Annex J has been added concerning interference from emissions in adjacent frequency bands;
- Clause 7 (Display presentation) has been simplified (and the previous Annexes J and K deleted) with reference made instead to EN 62288 with associated changes throughout the standard;
- In 9.9.2 (PI lines and positioning) the requirements for parallel index lines have been revised;
- In 10.4.4 (Display orientation) a new mode of display orientation "head-up stabilised" has been added;
- In 11.5 (Automatic Identification System) new requirements and tests have been added for types of AIS targets, AIS repeater stations and filtering of AIS targets;
- In Clause 12 (Chart radar) a new subclause 12.3 has been added for ECDIS backup requirements;
- In Clause 13 (Ergonomic criteria) a new subclause 13.5 has been added giving requirements for default control settings;
- 14.3 (Output interfacing) has been revised together with the associated Annex H to update the requirements particularly with regard to interfaces to the VDR;
- Clause 16 (Alerts and failures) has been revised to update the requirements to align with bridge alert management and new requirements added for an alert management interface with associated changes throughout the standard;
- In Clause 18 (Equipment familiarisation and documentation) a new subclause 18.3 has been added for maintenance information and equipment update.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 62388:2013 was approved by CENELEC as a European Standard without any modification.

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

IEC 62616	NOTE	Harmonised as EN 62616.
ISO 9000	NOTE	Harmonised as EN ISO 9000.
ISO 9241-8	NOTE	Harmonised as EN ISO 9241-8.
ISO 9241-12	NOTE	Harmonised as EN ISO 9241-12.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60945	-	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results	EN 60945	-
IEC 61162	series	Maritime navigation and radiocommunication equipment and systems - Digital interfaces	EN 61162	series
IEC 61174	-	Maritime navigation and radiocommunication equipment and systems - Electronic chart display and information system (ECDIS) - Operational and performance requirements, methods of testing and required test results	EN 61174	-
IEC 61924-2	2012	Maritime navigation and radiocommunication equipment and systems - Integrated navigation systems - Part 2: Modular structure for INS - Operational and performance requirements, methods of testing and required test results	EN 61924-2	2013
IEC 61996-1	2013	Maritime navigation and radiocommunication equipment and systems - Shipborne voyage data recorder (VDR) - Part 1: Performance requirements, methods of testing and required test results	EN 61996-1	2013
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	EN 62288	-
ITU-R Recommendation M.628	-	Technical characteristics for search and rescue radar transponders	-	-
ITU-R Recommendation M.824	-	Technical parameters of radar beacons (racons)	-	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ITU-R Recommendation M.1176	-	Technical parameters of radar target enhancers	-	-
IHO S-52	-	Specifications for chart content and display aspects of ECDIS	-	-
IHO S-52, Appendix 2, Annex A	-	IHO ECDIS Presentation Library	-	-
IMO Resolution A.424(IX)	-	Performance standards for gyro-compasses	-	-
IMO Resolution 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 Resolution A.821(19)	-	Performance standards for gyro-compasses for high-speed craft	-	-
IMO Resolution MSC.96(72)	-	Amendments to performance standards for devices to indicate speed and distance (resolution A.824(19))	-	-
IMO Resolution MSC.116(73)	-	Performance standards for marine transmitting heading devices (THDs)	-	-
IMO Resolution MSC.191(79)	-	Performance standards for the presentation of navigation-related information on shipborne navigational displays	-	-
IMO Resolution MSC.192(79)	-	Adoption of the revised performance standards for radar equipment	-	-
IMO Resolution MSC.232(82)	-	Revised performance standards for electronic chart display and information systems (ECDIS)	-	-
IMO Resolution MSC.302(87)	-	Adoption of performance standards for Bridge Alert Management	-	-
IMO MSC.1/Circ.1389	-	Guidance on procedures for updating shipborne navigation and communication equipment	-	-
VESA-2007-5	2007	Industry Standards and Guidelines for Computer Display Monitor Timing (DMT) Standard	-	-
DDWG DVI	1999	Digital Visual Interface (DVI) Revision 1.0, Digital Display Working Group (DDWG)	-	-

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IEC 62388

Edition 2.0 2013-06

INTERNATIONAL STANDARD



**Maritime navigation and radiocommunication equipment and systems –
Shipborne radar – Performance requirements, methods of testing and required
test results**

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CONTENTS

FOREWORD.....	11
1 Scope.....	14
2 Normative references.....	14
3 Terms and definitions.....	15
4 General.....	27
4.1 Overview.....	27
4.2 Purpose.....	28
4.3 Application of these standards.....	28
4.4 Equipment categories.....	28
4.5 Establishing equipment type and status.....	29
4.6 Conditions of measurement and related definitions.....	30
4.7 Quality requirements.....	30
5 Tests.....	30
5.1 Test sites and simulation.....	30
5.1.1 Environmental and RF testing.....	30
5.1.2 Over-sea radar performance tests.....	30
5.1.3 Test targets and target simulation for performance tests.....	31
5.2 Test terminology and format.....	31
5.2.1 General.....	31
5.2.2 Test requirement terminology.....	31
5.2.3 Testing method terminology.....	32
6 Radar performance.....	32
6.1 General.....	32
6.2 Transmission and interference.....	32
6.2.1 Transmission frequency.....	32
6.2.2 Interference.....	33
6.3 Performance optimisation and monitoring.....	33
6.3.1 General.....	33
6.3.2 Optimum performance.....	33
6.4 Gain and anti-clutter functions.....	34
6.4.1 General.....	34
6.4.2 Gain function.....	34
6.4.3 Manual and automatic sea anti-clutter.....	34
6.4.4 Rain anti-clutter.....	35
6.5 Signal processing.....	35
6.5.1 General.....	35
6.5.2 Target enhancement.....	35
6.5.3 Radar signal correlation.....	36
6.5.4 Signal processing and radar image latency.....	36
6.5.5 Second-time-around echoes.....	36
6.5.6 Transmission format.....	37
6.5.7 Picture update.....	37
6.5.8 Additional processing.....	37
6.5.9 Signal processing description.....	37
6.6 Operation with SARTs, target enhancers (RTEs) and beacons.....	38
6.6.1 General.....	38

6.6.2	Radar beacons, SARTs and enhancers	38
6.7	Minimum range and range compensation.....	38
6.7.1	General.....	38
6.7.2	Range compensation.....	39
6.7.3	Minimum range	39
6.8	Range and bearing discrimination	40
6.8.1	General.....	40
6.8.2	Measurement conditions	40
6.8.3	Range discrimination	40
6.8.4	Bearing discrimination	40
6.8.5	Fundamental radar accuracy	41
6.9	Target detection performance assessment.....	41
6.9.1	General.....	41
6.9.2	Range of first detection in minimal clutter	42
6.9.3	Assessment of target detection with clutter	44
6.9.4	Radar performance documentation.....	49
6.10	Radar antenna (including pitch and roll)	50
6.10.1	General.....	50
6.10.2	Vertical radiation pattern/pitch and roll	50
6.10.3	Antenna horizontal pattern	51
6.10.4	Antenna side lobes	51
6.11	Radar availability – Standby and transmit.....	52
6.11.1	Requirements	52
6.11.2	Methods of test and required results	52
7	Display presentation.....	53
7.1	General.....	53
7.1.1	Requirements	53
7.1.2	Methods of test and required results	53
7.2	Linearity and index delay	53
7.2.1	Requirements	53
7.2.2	Methods of test and required results	53
7.3	Use and discrimination of colour.....	53
7.3.1	Requirements	53
7.3.2	Methods of test and required results	53
8	CCRP and own ship.....	54
8.1	Consistent common reference point (CCRP)	54
8.1.1	CCRP	54
8.1.2	CCRP position	54
8.1.3	Measurements	54
8.1.4	Antenna offset	55
8.2	Own ship.....	55
8.2.1	General.....	55
8.2.2	Own ship's outline and minimised symbol	55
8.2.3	Heading line	55
8.2.4	Stern line	56
9	Navigation tools.....	56
9.1	General.....	56
9.2	Units of measurement.....	56
9.2.1	Requirements	56

9.2.2	Methods of test and required results	57
9.3	Presentation	57
9.3.1	Requirements	57
9.3.2	Methods of test and required results	57
9.4	Display range scales	57
9.4.1	Mandatory range scales	57
9.5	Variable range marker (VRM)	58
9.5.1	General	58
9.5.2	VRM measurements	58
9.6	Electronic bearing line (EBL)	59
9.6.1	General	59
9.6.2	EBL measurements	59
9.6.3	EBL origin position	60
9.7	Cursor	60
9.7.1	General	60
9.7.2	Cursor measurement	60
9.7.3	Selection by cursor	61
9.8	Offset measurement of range and bearing	61
9.8.1	General	61
9.8.2	Electronic range and bearing line (ERBL)	61
9.9	Parallel index lines (PI)	62
9.9.1	General	62
9.9.2	PI lines and positioning	62
9.10	Bearing scale	63
9.10.1	General	63
9.10.2	Bearing scale presentation	63
9.11	Range rings	64
9.11.1	General	64
9.11.2	Range ring presentation and measurement	64
9.12	Radar maps	65
9.12.1	General	65
9.12.2	Map functions and display simple user-defined maps	65
9.12.3	Map memory and transfer	65
9.12.4	Map presentation properties	66
9.13	Navigation routes	66
9.13.1	General	66
9.13.2	Route display and monitoring	67
10	Orientation, motion and stabilisation	67
10.1	General	67
10.2	Azimuth orientation	67
10.2.1	Accuracy of alignment	67
10.2.2	Heading readout and reference	68
10.2.3	Azimuth stabilisation update	69
10.3	Motion and orientation modes	69
10.3.1	General	69
10.3.2	True and relative motion	69
10.4	Off-centring	70
10.4.1	General	70
10.4.2	Manual and automatic off-centring	70

10.4.3	Automatic reset	70
10.4.4	Display orientation	71
10.5	Ground and sea stabilisation	72
10.5.1	Mode and source	72
10.5.2	Ground stabilisation	72
10.5.3	Sea stabilisation	73
11	Aids for collision avoidance	73
11.1	General.....	73
11.2	Target trails and past positions.....	73
11.2.1	General.....	73
11.2.2	Time and plot requirements.....	74
11.2.3	Trails/past position availability	74
11.3	Target tracking (TT)	75
11.3.1	General.....	75
11.3.2	Presentation of targets	75
11.3.3	Tracking calculations.....	76
11.3.4	Target tracking availability	76
11.3.5	Classification and tracked target capacity	77
11.3.6	Manual acquisition	78
11.3.7	Automatic acquisition	78
11.3.8	Motion trend	78
11.3.9	Visibility of 50 %	79
11.3.10	Tracking algorithm	79
11.3.11	Target swap	79
11.3.12	Cease tracking.....	79
11.3.13	Target tracking scenarios.....	79
11.3.14	Target motion and tracking accuracy.....	80
11.3.15	Tracker range and bearing accuracy	88
11.3.16	Reference target.....	89
11.4	Tracking limitations	89
11.4.1	Tracking warnings.....	89
11.4.2	Documentation.....	90
11.4.3	Requirements	90
11.4.4	Methods of test and required results	90
11.5	Automatic identification system.....	90
11.5.1	General.....	90
11.5.2	AIS targets and data report capacity	90
11.5.3	AIS target filtering	92
11.5.4	Activation and deactivation of AIS targets	92
11.5.5	AIS functionality and presentation.....	93
11.6	Radar and AIS target data.....	95
11.6.1	Requirements	95
11.6.2	Methods of test and required results	95
11.6.3	Bow crossing range and time (BCR/BCT).....	96
11.7	Operational target alerts	96
11.7.1	CPA and TCPA	96
11.7.2	New target warning	97
11.7.3	Lost tracked radar target.....	97
11.7.4	Lost AIS target criteria.....	98

11.8	Target association.....	99
11.8.1	General.....	99
11.8.2	Association and priority.....	99
11.9	Trial manoeuvre.....	103
11.9.1	General.....	103
11.9.2	Trial functions.....	103
12	Chart radar (optional classification).....	104
12.1	General requirements.....	104
12.1.1	General.....	104
12.1.2	Chart operation and source.....	104
12.1.3	Chart elements and availability.....	105
12.1.4	Chart reference.....	106
12.1.5	Primary chart information set.....	106
12.1.6	Chart stabilisation and chart redraw.....	107
12.1.7	Chart position and latency.....	108
12.1.8	Matching and adjustment.....	108
12.1.9	Chart symbols, colours, and size.....	109
12.1.10	Chart display size.....	110
12.1.11	Chart alerts and indications.....	110
12.1.12	Chart malfunction.....	111
12.1.13	Chart radar malfunction.....	111
12.2	Additional requirements for standalone radar with chart facilities.....	111
12.2.1	General.....	111
12.2.2	Provision and updating of chart information.....	111
12.2.3	Content and structure of chart data.....	112
12.3	Additional requirements for ECDIS back-up (optional).....	112
12.3.1	General.....	112
12.3.2	Requirements.....	112
12.3.3	Test Methods and required results.....	112
13	Ergonomic criteria (control functions and display).....	112
13.1	General.....	112
13.2	Operational controls.....	112
13.2.1	Requirements.....	112
13.2.2	Methods of test and required results.....	113
13.3	Primary controls.....	113
13.3.1	Requirements.....	113
13.3.2	Methods of test and required results.....	113
13.4	Control properties.....	114
13.4.1	Requirements.....	114
13.4.2	Methods of test and required results.....	114
13.5	Default control setting and saved user control settings.....	114
13.5.1	Requirements.....	114
13.5.2	Test methods and required results.....	115
14	Interfacing.....	116
14.1	General.....	116
14.2	Input interfacing.....	116
14.2.1	Input data.....	116
14.2.2	Input quality, integrity and latency.....	117
14.3	Output interfacing.....	117

14.3.1	Output format	117
14.3.2	Output target data	117
14.3.3	VDR interface	118
15	Design, servicing and installation	119
15.1	General.....	119
15.2	Fault diagnosis and servicing	119
15.2.1	Requirements	119
15.2.2	Methods of test and required results	120
15.3	Display design	120
15.3.1	Requirements	120
15.3.2	Methods of test and required results	120
15.4	Transceiver design.....	120
15.4.1	General.....	120
15.4.2	Sector blanking.....	121
15.5	Antenna design.....	121
15.5.1	Requirements	121
15.5.2	Methods of test and required results	121
15.6	Inter-switched and multiple radars	122
15.6.1	General.....	122
15.6.2	System safeguards.....	122
15.6.3	Combining radar.....	122
15.6.4	Multiple radar system status.....	123
15.7	Multiple operational displays	123
15.7.1	Additional information and conformity.....	123
15.7.2	Requirements	123
15.7.3	Methods of test and required results	124
15.8	Safety – antenna and radiation	124
15.8.1	General.....	124
15.8.2	Antenna radiation and rotation.....	124
15.8.3	Microwave radiation levels	124
16	Alerts and failures.....	125
16.1	General.....	125
16.1.1	Priority of alerts	125
16.1.2	Alerts and indications	125
16.1.3	Alarm contact outputs.....	125
16.1.4	Alert management interface.....	125
16.1.5	Unacknowledged warnings.....	126
16.1.6	Unacknowledged alarms	127
16.1.7	Remote acknowledgement and silencing of alerts.....	127
16.1.8	Picture freeze	128
16.1.9	Sensor failure alert.....	128
16.2	Backup and fallback arrangements	128
16.2.1	Requirements	128
16.2.2	Failure of heading information (azimuth stabilisation).....	128
16.2.3	Failure of speed through the water information.....	129
16.2.4	Failure of course and speed over ground information	129
16.2.5	Failure of position input information	129
16.2.6	Failure of radar video input information	130
16.2.7	Failure of AIS input information.....	130