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GMDSS – Del 14: AIS-SART – Tekniska och operationella fordringar – Provningsmetoder och erforderliga provningsresultat

*Global maritime distress and safety system (GMDSS) –
Part 14: AIS search and rescue transmitter (AIS-SART) –
Operational and performance requirements, methods of testing and required test results*

Som svensk standard gäller europastandarden EN 61097-14:2010. Den svenska standarden innehåller den officiella engelska språkversionen av EN 61097-14:2010.

Nationellt förord

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Postadress: SEK, Box 1284, 164 29 KISTA
Telefon: 08 - 444 14 00. Telefax: 08 - 444 14 30
E-post: sek@elstandard.se. Internet: www.elstandard.se

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SEK Svensk Elstandard

Box 1284
164 29 Kista
Tel 08-444 14 00
www.elstandard.se

**Global maritime distress and safety system (GMDSS) -
Part 14: AIS Search And Rescue Transmitter (AIS-SART) -
Operational and performance requirements, methods of testing
and required test results
(IEC 61097-14:2010)**

Systeme mondial de détresse
et de sécurité en mer (GMDSS) -
Partie 14: Émetteur de recherche
et sauvetage AIS -
Exigences opérationnelles
et de fonctionnement, méthodes d'essai
et résultats exigibles
(CEI 61097-14:2010)

Weltweites Seenot-
und Sicherheitsfunksystem (GMDSS) -
Teil 14: AIS-Seenotrettungssender
(AIS-SART) -
Betriebs- und Leistungsanforderungen,
Prüfverfahren und geforderte
Prüfergebnisse
(IEC 61097-14:2010)

This European Standard was approved by CENELEC on 2010-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 80/582/FDIS, future edition 1 of IEC 61097-14, prepared by IEC TC 80, Maritime navigation and radiocommunication equipment and systems, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61097-14 on 2010-03-01.

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

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2010-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-03-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61097-14:2010 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 61097-1 | NOTE | Harmonized as EN 61097-1. |
| IEC 61108-1 | NOTE | Harmonized as EN 61108-1. |
| IEC 61108-2 | NOTE | Harmonized as EN 61108-2. |
| IEC 61993-2 | NOTE | Harmonized as EN 61993-2. |
| IEC 62288 | NOTE | Harmonized as EN 62288. |

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 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 61108 | Series | Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) | EN 61108 | Series |
| ITU-R Recommendation M.1371 | - | Technical characteristics for an automatic identification system using time division multiple access in the VHF maritime mobile band | - | - |
| ITU-T Recommendation O.153 | - | Basic parameters for the measurement of error performance at bit rates below the primary rate | - | - |
| IMO Resolution MSC.246(83) | - | Performance standards for survival craft AIS search and rescue transmitter (AIS-SART) | - | - |

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GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS) –

Part 14: AIS search and rescue transmitter (AIS-SART) – Operational and performance requirements, methods of testing and required test results

1 Scope

This part of IEC 61097 specifies the minimum performance requirements, technical characteristics and methods of testing, and required test results, for Automatic Identification Systems (AIS) search and rescue transmitters (AIS-SART) which may be carried by ships as a search and rescue locating device as required by Chapters III and IV of the International Convention for Safety of Life at Sea (SOLAS), as amended. It takes account of IMO resolution A.694(17) and is associated with IEC 60945. When a requirement in this standard is different from IEC 60945, the requirement in this part of IEC 61097 takes precedence.

This standard incorporates the applicable parts of the performance standards included in IMO Resolution MSC.246(83) and the applicable technical characteristics included in Recommendation ITU-R M.1371 and is associated with IEC 61993-2 (Class A shipborne AIS).

All the text of this standard, whose wording is identical to that of IMO Resolution MSC.246(83), is printed in *italics*, and the Resolution and associated performance standard paragraph numbers are indicated in brackets.

NOTE IEC 61097-1 specifies the requirements for radar transponders for use in search and rescue operations (SART) which may alternatively be carried by ships as a search and rescue locating device.

2 Normative references

The following referenced documents are indispensable for the application 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.

IEC 60945, *Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results*

IEC 61108 (all parts), *Maritime navigation and radiocommunication equipment and systems – Global navigation satellite systems (GNSS)*

IMO Resolution MSC.246(83), *Performance standards for survival craft AIS search and rescue transmitter (AIS-SART)*

ITU-R Recommendation M.1371, *Technical characteristics for an automatic identification system using time division multiple access in the VHF maritime mobile band*

ITU-T Recommendation O.153, *Basic parameters for the measurement of error performance at bit rates below the primary rate*