



IEC Standardisation for SBAS L1 maritime receivers

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IEC Standardisation for SBAS L1 shipborne receivers



TARGET: Publication of new IEC 61108-7 standard for SBAS L1 receiver equipment for harbour entrances/approaches & coastal waters.

CEN/CLC JTC5 /WG 8
WG SBAS receivers performances
for Maritime applications

European CEN WG was created in Sept 2020 to present Technical Reports from MARESS, being a liaison mechanism with IEC TC80.

MAritime Receiver SBAS Standardisation
(MARESS) Project



Trust, from space to cockpit,
for one clever sky.

Obj: To produce the content needed for the development of IEC-61108 standard.

IEC TC 80 Maritime navigation and radiocommunication equipment and systems

International Technical Committee in charge of IEC-61108 standardisation


IEC Standardisation for SBAS L1 shipborne receivers

TC 80 Maritime navigation and radiocommunication equipment and systems

Scope Structure **Projects / Publications** Documents Votes Meetings Collaboration Platform

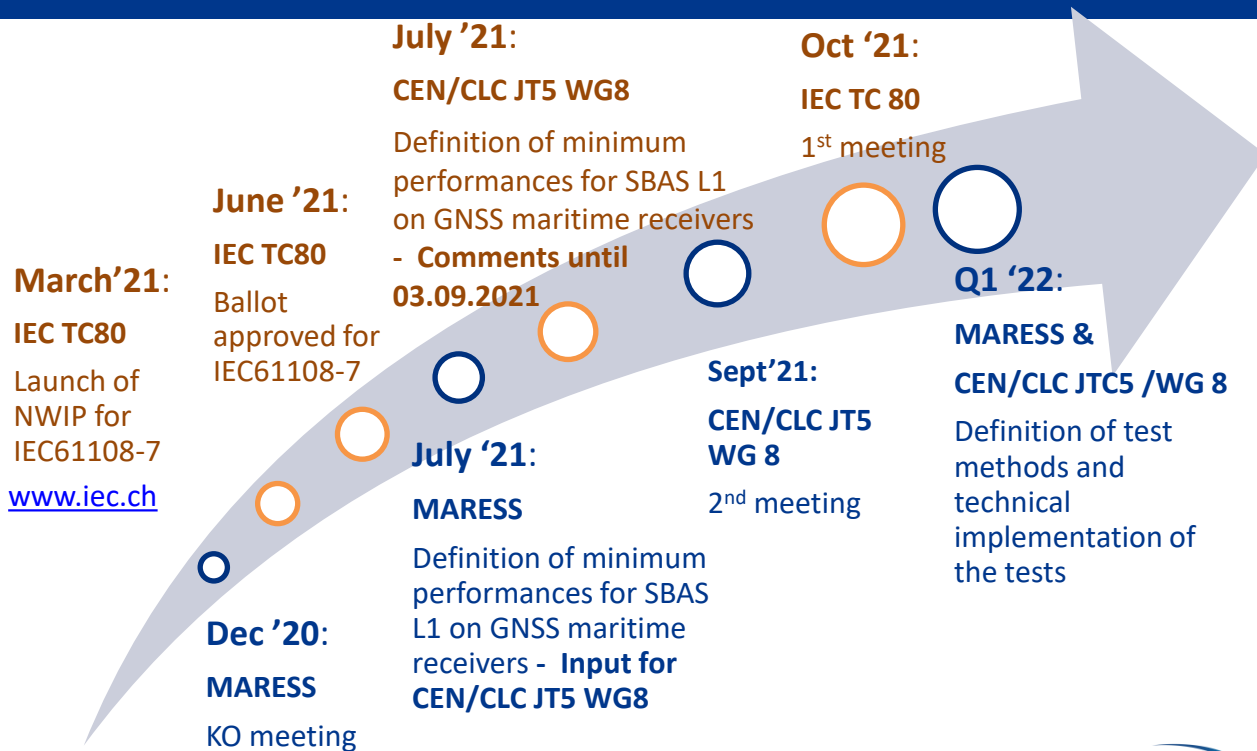
Work programme Publications Stability Dates Project files

TC 80 Work programme (13)

Project Reference	Document Reference	Init. Date	Current Stage	Next Stage	Working Group	Project Leader
IEC 61108-7 ED1 Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 7: Satellite Based Augmentation Systems - Receiver Equipment - Performance requirements and method of testing	80/996/NP  380 kB	2021-06	ACD 2021-06	CD 2022-12	PT 61108-7	Pierre-Yves Martin

www.iec.ch

Maritime SBAS L1 standardisation plan



IEC standardisation process: 2 years

Request to Maritime Community

In order to ensure a safe use of SBAS by all shipborne receivers, an IEC 61108 standard for SBAS receiver equipment should be published.

A worldwide common understanding and use of SBAS L1 maritime receiver is needed. To support this standardisation process are requested to:

- **Join and participate in CEN European Working Group (CEN/CLC JTC5 /WG 8)** of SBAS receiver performance for maritime applications within Technical Committee 5 dedicated to Space. The next meeting: **21st of September**.
- **Join and participate in IEC Group (IEC TC80 PT 61108 -7)** of Maritime navigation and radiocommunication equipment and systems to develop and approve the standard. The next meeting: **12th – 14th October**.

For further info, please, contact:

- Elisabet Lacarra, Rodrigo Gonzalez, Guillermo Fernández (ESSP)

SBAS and VDES

On 14th Sept 2021 took place the “Joint IALA/IEC WG meeting on VDES”. The objective of the meeting was to foster the development of a VDES IEC Test Standard.

It is stated in IALA G1117 section 3.2.5 “Scenario-GNSS Augmentation”, *“The distribution of GNSS augmentation corrections via VDES could allow GNSS users to get timing, integrity and improved position accuracy”*.

It was concluded the need to consider and elaborate further the use case on which GNSS augmentation data is transmitted through VDES.

- **SBAS receiver IEC Standard may complements the development of the IEC VDES test standard**
- We encourage the maritime community to participate on the development of the use cases identified in the “Joint IALA/IEC WG meeting on VDES”.

#EGNOSWorkshop2021

EGNOS

WORKSHOP 2021

SAVE THE DATE
2 DECEMBER 2021





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Corporate Video

Thank you!