Input paper: DTEC4-6.2.0.14

Input paper for the following Committee(s): check as appropriate Purpose of paper:

**□** ARM **□** ENG **□** PAP **X** Input

**X** DTEC **□** VTS **□** Information

Agenda item [[1]](#footnote-2)

Technical Domain / Task Number 2 DTEC 6.3.7

Author(s) / Submitter(s) Stefan Pielmeier, Albatros-Tech representing Sternula A/S,

In the role as chair for the RTCM Special Committee SC139

New Standard published on Maritime Messaging Service

in the context of the Maritime Connectivity Platform

# Summary

RTCM with the input from the Maritime Connectivity Consortium since 2023 is developing a new standard on a Maritime Messaging Service to complement the Maritime Connectivity Platform with a not-only-internet based means of transport for digital maritime services.

The work led to the first version of that new standard being published today 2025-03-07.

RTCM is encouraging the maritime world to consider using that standard broadly for the transport of all kinds of maritime services, embracing also S-100 based services through the IEC 63173-2 SECOM interface.

The MMS is a robust, resilient, flexible subscription-based store-and-forward overlay network, designed to allow transport of trusted digital maritime services over VDES, NAVDAT and internet connections, embracing all forms of direct communication enabled by these (e.g. ship-to-ship, ship-to-AtoN directly).

# Action proposed to the committee

## Update of G1117

Update G1117 to be in line with the standard for the short introduction to MMS and refer to the new standard for details.

## Update of Standards and Recommendations

Consider updating the related standards and recommendations.

## Use of the MMS

The committee is invited considering the MMS in its upcoming guidelines for:

* VDES authentication (transport of certificates), e.g. by defining an MMS Maritime Identity Registry query and revocation list update service,
* VDES resource sharing for terrestrial and satellite networks, as an inter-network routing resource that can allow/disallow the transport of services based on roaming agreements between terrestrial or satellite network providers, and
* VDES shore infrastructure guideline, taking into account the mobility, routing and policing capabilities of MMS in the VDES Gateway node (as defined in MMS).

## Feedback

The DTEC committee is invited to feedback:

* questions,
* findings,
* concerns,
* improvement proposals, and/or
* additionally needed forms of transport

to RTCM.

# Related documents

IALA Guideline G1117.

The published RTCM STANDARD 13900.0, attached here for the work in the DTEC committee.



1. Leave open if uncertain [↑](#footnote-ref-2)