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

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Agenda item n.n

Technical Domain / Task Number 2 …………………………………

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Proposal for the development of a new Product Specification on Application Specific Messages (ASM) for disaster management

# Summary

This proposal addresses the pressing need for enhancing disaster management capabilities in the field of safety of navigation. In line with the ongoing work in the IMO for the introduction of VHF Data Exchange System (VDES), this paper proposes that the Committee develop the associated document on the Application Specific Messages (ASM), especially for disaster management. This document suggests that DTEC embarks on developing a new Product Specification on ASM specially focusing on the disaster management.

## Purpose of the document

The primary goal of this document is to initiate the development of product specification for the worldwide use of VDES ASM should be commenced in accordance with the relevant work in IMO; this work will include the development of new S-200 series specifications, specially tailored to enhance disaster management in maritime. In addition, the Japan Coast Guard wishes to inform the Committee of its intention to contribute to the work of the future Committee’s sessions on this subject.

## Related documents

* IMO SN.1/Circ.289 Guidance on the use of Application Specific Messages.
* NCSR 10/6/1 Development of amendments to SOLAS chapters IV and V and performance standards and guidelines to introduce VHF Data Exchange System (VDES)
* DTEC1-5.1.3.9 Proposal on the work for the implementation of ASM
* IHO S-100 and IALA S-200 Series Product Specifications

# Background and discussion

At the 1st DTEC meeting in September 2023, Japan Coast Guard (hereinafter “JCG”) was requested to reflects the comments from the floor on its proposal on the work for the implementation of the Application Specific Messages (ASM) and submit the revised proposal to a future DTEC meeting. The opinions at DTEC-1 could be summarized following two issues:

* There are S-100 specifications documents that are being developed in IMO, IHO, WMO and IALA; those documents could cover all ASMs defined in IMO SN.1/Circ. 289(hereinafter “the guideline”);
* An IHO S-100 specifications document should be designed for a specific service not for a specific technology like ASM, in this regards, it is difficult for a S-100 specifications document to cover all ASMs in the guideline; S-230 for Application Specific Messages is not feasible.

JCG appreciates the comments from the DTEC1 participants, and reviewed the existing S-100 specifications. JCG’s supplemental studies on this review find the followings:

* Existing S-100 specifications documents cover almost all of the ASM in the guideline except “Marine Traffic Signal”(FI 19);
* Existing S-100 specifications documents seem to cover almost all of the services of IALA members, however, there are some rooms for developing S-100 specifications for new services.

As JCG proposed a new work item on disaster management of VTS at the 55th VTS committee, JCG believes that it is worth developing a new S-100 specifications for disaster management, in line with the proposed work in the VTS committee.

# Action requested of the Committee

The Committee is requested to:

1. study, in accordance with the related work in the VTS committee, the feasibility of the new S-100 specifications for disaster management, and develop the new specification accordingly;
2. identify appropriate services where ASM FI 19 could be used, and appropriate S-100 specifications; and
3. review, study and/or develop other associated documents as appropriate.