Enhanced Group Call – Application Programming Interface Correspondence Group (EGC-API CG)

Work plan and timeframe

Version 1.0 dated 11 August 2020

Introduction

The International Hydrographic Organization (IHO) World-Wide Navigational Warning Service Sub-Committee (WWNWS-SC) has formed an EGC-API Correspondence Group (EGC-API CG) to develop an application programming interface (API) standard to support the machine-to-machine transfer of Enhanced Group Call (EGC) shore-to-ship information between certified and registered Maritime Safety Information Providers (MSIP) and Recognized Mobile Satellite Service (RMSS) providers.

Abbreviations/Glossary

API	application programming interface
EGC	enhanced group call
IHO	International Hydrographic Organization
IMO	International Maritime Organization
MSIP	Maritime Safety Information Providers
RMSS	Recognized Mobile Satellite Service
ToR	Terms of Reference
WMO	World Meteorological Organization
WWNWS-SC	World-Wide Navigational Warning Service Sub-Committee

Procedure

In accordance with paragraph **3.a.** of the EGC-API CG Terms of Reference, the EGC-API CG will:

identify a work program, including expected timeframe.

This document contains the work plan, as agreed by the EGC-API CG.

Work plan

Task No 1: Develop, consult and adopt the Terms of Reference (ToR) for the EGC-API CG

Task No 2: Develop, consult and adopt the essential requirements for the standard

Task No 3: Develop, consult and adopt a work plan and expected timeline for the standard

Task No 4: Develop, consult and adopt the desirable requirements for the standard

Task No 5: Ensure compliance with the relevant guidelines and guidance developed by IMO, WMO and IHO

Task No 6: Develop, consult and adopt a testbed to validate the functionality of the standard

Task No 7: Develop, consult and adopt documentation of the standard

Task No 8: Develop, consult and adopt minimum test procedures to demonstrate compliance with the standard

Task No 9: Develop, consult and adopt the proposed standard for approval to WWNWS-SC

Task No 1

Develop, consult and adopt the Terms of Reference (ToR) for the EGC-API CG

The EGC-API CG will develop, consult and adopt a Terms of Reference (ToR) that identifies the objective of the correspondence group, governance arrangements, procedure (refer to subsequent tasks), composition of the membership, and the roles and responsibilities of the membership.

Due date: 14 March 2020

Task No 2

Develop, consult and adopt the essential requirements for the standard

In accordance with paragraph **3.b.** of the EGC-API CG Terms of Reference, the EGC-API CG will:

review the needs and requirements for an EGC-API standard to support the machine-to-machine transfer of EGC shore-to-ship information between certified and registered [MSI] providers and recognized mobile-satellite service providers.

Due date: 11 August 2020

Task No 3

Develop, consult and adopt a work plan and expected timeline for the standard

In accordance with paragraph **3.a.** of the EGC-API CG Terms of Reference, the EGC-API CG will:

identify a work program, including expected timeframe.

Due date: 11 August 2020

Task No 4

Develop, consult and adopt the desirable requirements for the standard

In accordance with paragraph **3.c.** of the EGC-API CG Terms of Reference, the EGC-API CG will:

*identify desirable requirements in support of **3.b.***

Due date: 13 October 2020

Task No 5

Ensure compliance with the relevant guidelines and guidance developed by IMO, WMO and IHO

In accordance with paragraph **3.d.** of the EGC-API CG Terms of Reference, the EGC-API CG will:

*ensure compliance with the guidelines and guidance in **1.d.***

that states, the following issue will be addressed:

Conformance with international guidelines and guidance developed by International Maritime Organization (IMO), World Meteorological Organization (WMO) and International Hydrographic Organization (IHO), including the Joint IMO/IHO/WMO Manual on Maritime Safety Information (IHO Publication No.53).

Due date: 15 December 2020

Task No 6

Develop, consult and adopt a testbed to validate the functionality of the standard

In accordance with paragraph **3.e.** of the EGC-API CG Terms of Reference, the EGC-API CG will:

develop a testbed to validate the functionality of the EGC-API standard.

Due date: 15 December 2020

Task No 7

Develop, consult and adopt documentation of the standard

In support of paragraph **3.g.** of the EGC-API CG Terms of Reference, the EGC-API CG will develop appropriate documentation and guidance for MSIP and the RMSS providers to facilitate development and implementation of the standard.

Due date: 19 February 2021

Task No 8

Develop, consult and adopt minimum test procedures to demonstrate compliance with the standard

In accordance with paragraph **3.f.** of the EGC-API CG Terms of Reference, the EGC-API CG will:

develop minimum test procedures to demonstrate compliance with the EGC-API standard.

Due date: 19 February 2021

Task No 9

Develop, consult and adopt the proposed standard for approval to WWNWS-SC

In accordance with paragraph **3.g.** of the EGC-API CG Terms of Reference, the EGC-API CG will:

submit the proposed EGC-API standard to WWNWS-SC for approval.

Due date: 6 April 2021

Timeframe

Table 1 and Figure 1 contain an expected timeframe for development of the standard.

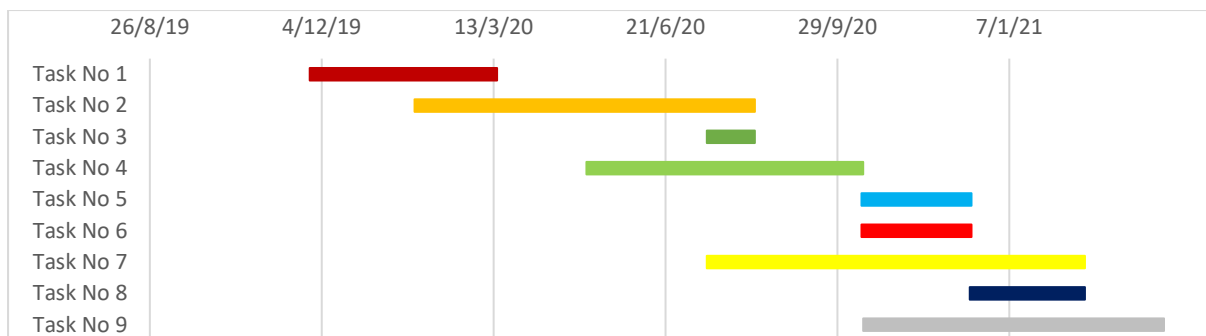| Task	Start	End	Duration
Task No 1	27 November 2019	14 March 2020	109
Task No 2	27 January 2020	11 August 2020	198
Task No 3	15 July 2020	11 August 2020	28
Task No 4	6 May 2020	13 October 2020	161
Task No 5	13 October 2020	15 December 2020	64
Task No 6	13 October 2020	15 December 2020	64
Task No 7	15 July 2020	19 February 2021	220
Task No 8	15 December 2020	19 February 2021	67
Task No 9	14 October 2020	6 April 2021	175

Table 1: Expected timeframe for each task

Figure 1: Bar chart of tasks