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| From: IALA DTEC Committee |  |
| To: 3GPP TSG SA, 3GPP TSG RAN, 3GPP SA WG1  Cc: 3GPP TSG CT | 19 March 2024 |

LIAISON NOTE on the Update of IALA Task for Marine AtoN over IMT-2030

# INTRODUCTION

The IALA DTEC (Digital Technologies Committee) would like to provide the update on the IALA task for Marine Aids to Navigation (Marine AtoN) over IMT-2030[[1]](#footnote-1). The IALA DTEC has begun developing the IALA Guideline, which includes use cases and service requirements with regulatory aspects for Marine AtoN, which contribute to formulating inputs as served for incorporating demands of Marine AtoN related stakeholders into 3GPP standardization for IMT-2030. This IALA Guidleine will cover use cases for Marine AtoN over IMT-2030, categorized as follows.

* Use cases of Maritime Buoyage System (MBS)
* Use cases of Positioning, Navigation and Timing (PNT)
* Use cases of Vessel Traffic Services (VTS)
* Use cases of Digital Maritime Services

The IALA Guideline assumes the consideration of specific navigational environments and vessel types, including:

* The coexistence of legacy and new navigational environment with only legacy types of vessels
* Legacy navigational environment only with both legacy type of vessels and new type of vessels (e.g., autonomous ships)
* The coexistence of legacy and new navigational environment with both legacy and new types of vessels

The use cases and service requirements introduced in this IALA Guideline may be served as inputs which may be play a vital role in the maritime sector’s involvement in 3GPP Stage 1 standardization efforts for IMT-2030.

It is also targeted to provide specific use cases and service requirements from the Marine AtoN perspective for IMT-2030 at the inaugural 3GPP TSG-wide workshop for IMT-2030, scheduled for March 2025, based on the results of the IALA task for Marine AtoN over IMT-2030.

# ACTION REQUESTED

**To 3GPP TSG SA, RAN, SA WG1:**

The IALA DTEC WG2 TG on Marine Aids to Navigation (Marine AtoN) over IMT-2030 respectfully requests the cooperation of 3GPP to contribute to the standardization of IMT-2030 within 3GPP, specifically regarding Marine AtoN over IMT-2030. We would greatly appreciate your collaboration and support in this endeavor.

# Next meetings of IALA DTEC WG2 TG on Marine AtoN over IMT-2030

* TG#04 – 14 May 2024, 09:00-10:30 UTC [To be confirmed]
* TG#05 – 9 July 2024, , 09:00-10:30 UTC [To be confirmed]

1. The background, the scope and objectives of the IALA task for Marine AtoN over IMT-2030 were communicated to 3GPP, as detailed in document S1-233157 during the 3GPP SA WG1 #104 meeting, via the 3GPP Liaison Person for IALA (Hyounhee KOO / SyncTechno Inc.). [↑](#footnote-ref-1)