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| **From:** | DTEC Committee | DTEC3-11.2.2.8 |
| **To:** | LAP | 3 October 2024 |

**LIAISON NOTE**

Update of Emerging Technology – Candidate Technology Tracker

# introduction

The DTEC Committee thanks the IALA LAP for the past input regarding the Emerging Technology – Candidate Technology Tracker. At DTEC3 the document was reviewed in light of the change of IALA from an NGO to an IGO, as well as with regards to specific questions that are within IALA G1153 – *Template for the review of emerging technologies for possible use by IALA members*.

# Discussion

Following a review of the Emerging Technology – Candidate Technology Tracker, which is updated at each DTEC meeting, the following questions were noted:

1. Is there a requirement to review or revise the text previously provided by LAP and included in the technology tracker?

Text provided previously and now included in the document:

*IALA is an international association that deals with Marine Aids to Navigation. The association aims to provide information and support to its members and the maritime community through its standards, recommendations, guidelines and other documents as accurately as possible. However, the planning, implementation and operation of Marine Aids to Navigation remains the sole responsibility of the respective national members, authorities, administrations or other entities according to their respective national law including the decision to use IALA’s standards, recommendations, guidelines and other documents.  IALA shall in no event be held responsible for any claim, damages or other liability, whether in an action of contract, tort or otherwise, arising from, or out of or in connection with the above-mentioned documents, the use of or other dealings with them.*

1. In the IALA G1153 template there are questions related to legal issues (Q21) and intellectual property rights (Q22). Is there further guidance from LAP on the wording of these questions, or the expectations of IALA regarding the responses?

Text of questions within G1153:

*Q21 - Are there legal issues associated with the implementation of the technology?*

*Q22 - Are there any intellectual property rights (essential patents) associated with the technology?*

During DTEC3 revisions to the document were carried out. The updated version of the ‘front section’ to the technology tracker is attached to this liaison note for reference.

# Action requested

1. The IALA LAP is invited to consider the questions regarding the text of the Candidate Technology Tracker and provide feedback to DTEC for consideration.

Emerging Technologies – Candidate Technology Tracker

# Introduction and Purpose

The development of digital technologies continues to be rapid, and it impacts on almost all aspects of the maritime industry, including maritime communications, aids to navigation and VTS. Digital technologies deal with the creation and practical use of digital or computerised information using devices, methods, or systems. (Source <http://www.dictionary.com>)

In the 2018-2023 work programme, the IALA ENAV Committee was tasked with monitoring developments in technology in the maritime industry, including the use of existing technology, and provide feedback on how these technologies may be of potential use for IALA members. This work continues in the 2023-2027 work programme as a task within the DTEC Committee.

The Emerging Technologies – Candidate Technology Tracker provides a high level summary of the results of the review by the DTEC Committee, with the details of the reviews available in the subfolders provided on the IALA fileshare.

# Review of technologies

It is important to evaluate emerging digital technologies in consideration of user requirements and the needs of IALA membership. These evaluations are a preliminary, high level, desktop study. The reviews identify the key features and capabilities, advantages/disadvantages, limitations, and application to aids to navigation, VTS and other services and systems within the remit of IALA.

The simplified set of assessment criteria has been established to provide a consistent review approach, as provided in IALA G1153. The review process is an initial step in determining further steps that may be taken to confirm that technology is appropriate and feasible for the use of IALA members. When providing information on a new technology the organisation which provides the information should also identify how the technology may be adopted or adapted for use by IALA members.

IALA is an international association that deals with Marine Aids to Navigation. The association aims to provide information and support to its members and the maritime community through its standards, recommendations, guidelines and other documents as accurately as possible. However, the planning, implementation and operation of Marine Aids to Navigation remains the sole responsibility of the respective national members, authorities, administrations or other entities according to their respective national law including the decision to use IALA’s standards, recommendations, guidelines and other documents.  IALA shall in no event be held responsible for any claim, damages or other liability, whether in an action of contract, tort or otherwise, arising from, or out of or in connection with the above-mentioned documents, the use of or other dealings with them.

# Summary of Technologies

When a review is completed, a rating of red, amber or green is identified. Technologies rated as:

* red are not considered suitable for use within a given context;
* amber could be considered for use with possible changes or developments;
* green could be considered suitable for use within a given context.

The Technology Tracker is updated following the completion of a technology review. The Technology tracker and supporting review document (completed G1153 review table) is provided on the IALA FileShare, under ***Committees / Technology Reviews – Summary and Folders***.

# Reviews against G1153

These technology reviews have been reviewed against G1153 Ed 1.0 (December 2019).