|  |  |
| --- | --- |
| From: ENG Committee | ENG21-9.2.2.4 |
| To: DTEC Committee | 17 October 2025 |

LIAISON NOTE

Reply on Update of Emerging Technology Review

# INTRODUCTION

As requested by the DTEC Committee the ENG committee reviewed the emerging technologies on QUALCOMM 5G-NR Positioning for Possible use by IALA Members.

# DISCUSSION

The ENG Committee welcomes the updated emerging technology reviews current, future and past ones. The ENG committee discussed as requested especially the new technology on QUALCOMM 5G-NR Positioning.

During the discussion in the ENG committee the committee welcomes the possibilities that QUALCOMM 5G-NR Positioning might bring and could be suitable in the maritime domain. During the discussion the ENG committee had some questions on the review of the Emerging technology concerning QUALCOMM 5G-NR Positioning. It was not clear about the following points:

1. Impact on ITU Radio Regulations on the use of these frequencies for PNT and protection of these frequencies; (point 5 of the G1153 could be extended)
2. The dependency of the availability (and costs) of frequencies for IALA members; (point 26 of the G1153 could be extended)
3. The cost implication between deployment by a public entity (IALA member) network and a private network including dependency on private companies (MNO); (point 26 of the G1153 could be extended)
4. The dependency of central timing source for the public and/or private network and connections between QUALCOMM 5G-NR Positioning stations; (point 11 of the G1153 could be extended)
5. The influences/interference of adjacent 5G networks including the geographical impact on this functionality. (point 17 of the G1153 could be extended)

By reviewing the technology QUALCOMM 5G-NR Positioning the ENG committee addressed some items that could be incorporated in the G1153.

# ACTION REQUESTED

The IALA DTEC Committee is requested to:

1. Take into account the remarks made by the IALA ENG committee and;
2. If needed, if appropriate, update the “New Technology Review on QUALCOMM – 5G-NR Positioning” and;
3. if appropriate update the G1153, and;
4. Inform, if appropriate, the ENG committee.