

IALA RECOMMENDATION

R1011

THE PERFORMANCE AND MONITORING OF eLORAN SERVICES IN THE FREQUENCY BAND 90 – 110 KHZ

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THE IALA COUNCIL

RECALLING:

- 1 The function of IALA with respect to Safety of Navigation, the efficiency of maritime transport and the protection of the environment.
- 2 Article 8 of the IALA Constitution regarding the authority, duties and functions of the Council.

RECOGNISING:

- 1 The need to ensure that eLoran services in the frequency band 90 kHz – 110 kHz are operated in accordance with certain minimum standards that take into account relevant ITU-R Recommendations and IMO Resolutions.
- 2 The minimum standards should include the signal format, reference datum, availability, continuity, integrity, accuracy, signal monitoring, range and coverage, status reporting, validation, and the publication of information about the system.

NOTING:

- 1 IMO resolutions A.915(22) on Maritime Policy for the Future Global Navigation Satellite System (GNSS), and A.1046 (27) on World Wide Radionavigation System.
- 2 ITU-R Recommendation M.589-3, Technical characteristics of methods of data transmission and interference protection for radionavigation services in the frequency bands between 70 and 130 kHz

CONSIDERING the proposals of the IALA e-Navigation Committee,

RECOMMENDS National members and other appropriate Authorities providing, or intending to provide, eLoran services in the frequency band 90 – 110 kHz adhere to the following principles.

- 1 Provide integrity information for eLoran.
- 2 Provide the service with a level of redundancy so as to achieve the performance requirements of IMO A.1046 (27).
- 3 Provide means of verifying the performance of the service, in terms of showing how the system accuracy, integrity, availability and continuity meet the requirements as set out in IMO A.1046 (27).
- 4 Provide mariners with information about the service. This should include:
 - a description of the service.
 - b service performance.
 - c service disruptions.
 - d geographical coverage.
- 5 Adopt the design and implementation principles set out in the relevant IALA Guideline(s).