



RECOMMENDATION

R1014

PORTRAYAL OF VTS INFORMATION AND DATA

Edition 1.0

December 2017



DOCUMENT HISTORY

Revisions to this IALA document are to be noted in the table prior to the issue of a revised document.

Date	Details	Approval
December 2017	1 st issue	Council 65



THE 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.

NOTING

- 1 that harmonisation of vessel traffic services would be enhanced by the introduction of international technical performance requirements for VTS
- 2 that Chapter V (regulation 12) of the International Convention for the Safety of Life at Sea 1974 (SOLAS 74 as amended) requires Contracting Governments planning or implementing VTS, wherever possible, to follow the guidelines adopted by the Organization by Resolution A.857(20);
- 3 that IMO Resolution A.857(20), Annex section 2.2.2 recommends that in planning and establishing a VTS, the Contracting Government or Governments or the competent authority should inter-alia establish appropriate standards for shore and offshore based equipment;
- 4 that National members provide shore infrastructure to support the aim of IMO to improve the safety of navigation and the protection of the environment.

RECOGNISING that portrayal covers the interaction of users with the (technical) system in a VTS Centre. This includes presentation on screen and any other visible and/or acoustical output from the system. It also includes the tactile (type, click) and acoustical input (voice) to the system.

CONSIDERING the proposals of the IALA Vessel Traffic Services Committee,

ADOPTS the IALA Recommendation R1014 Portrayal of VTS Information and Data

RECOMMENDS

1. VTS portrayal should focus on VTS tasks.
2. Human-centered design and an ergonomic approach should be followed. Specifically:
 - a The portrayal should facilitate achieving an appropriate situational awareness and support effective decision-making.
 - b The portrayal should be designed for efficiency of operation and avoidance of information overload.
 - c The portrayal should present information to the user intuitively.
3. The portrayal should allow a user to control the system, input data and take action efficiently.
4. Portrayal in VTS should, as far as possible, be harmonised with portrayal on-board.



5. Where possible, the portrayal should indicate invalid and erroneous user input.
6. The portrayal should be able to display and log significant events.
7. The portrayal should support the playback of recorded data.
8. Where possible, the portrayal should indicate data quality.
9. The portrayal should be configurable to satisfy operational tasks and needs.
10. The portrayal should be configurable to handle local regulations and conditions.
11. Where possible, the design of portrayal should be independent of specific data processing, sensor hardware and software.

RECOMMENDS ALSO

1. To consider IALA Recommendations:
 - a V-119 on the Implementation of Vessel Traffic Services
 - b V-125 on the Use and Presentation of Symbology at a VTS Centre
 - c V-128 on Operational and Technical Performance of VTS Systems
2. To consider IALA Guidelines:
 - d 1105 on Shore side portrayal ensuring harmonisation with e-Navigation related information,
 - e 1110 on Use of Decision Support Tools for VTS Personnel,
 - f 1111 on Preparation of Operational and Technical Performance for VTS Equipment

INVITES National members and other appropriate Authorities, providing or intending to provide Vessel Traffic Services, to implement the provisions of the Recommendation.

REQUESTS the Vessel Traffic Services Committee or such other Committee as the Council may direct to keep the Recommendation under review and to propose amendments as necessary.