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| IALA RECOMMENDATION V-xxx |

Recommendation on portrayal of vts information and data

Edition 1.0

August 2016

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

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| Date | Page / Section Revised | Requirement for Revision |
| 2016-August | All sections | Initial release as Edition 1 under the title “Draft Recommendation on Portrayal of VTS Information and Data V-xxx” |
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IALA Recommendation on Portrayal of   
VTS Information and Data  
(Recommendation V-xxx)

THE COUNCIL

**RECALLING** the function of IALA with respect to Safety of Navigation, the efficiency of maritime transport and the protection of the environment;

**RECOGNISING**

* that IALA fosters the safe, economic and efficient movement of vessels through improvement and harmonisation of aids to navigation, including vessel traffic services, worldwide;
* that harmonisation of vessel traffic services would be enhanced by the introduction of international technical performance requirements for VTS;

**NOTING**

* that NOTING that Chapter V (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);
* 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 offshorebased equipment;
* that National Members provide shore infrastructure to support the aim of IMO to improve the safety of navigation and the protection of the environment;

**NOTING ALSO**

* The portrayal covers the output of a human machine interface to the user in a VTS Centre in way of visible, acoustical output from the machine. It includes also the tactile (type, click) and acoustical input (voice) to the machine.

**RECOMMENDS**

1. VTS data should be portrayed in such a manner as to facilitate the cognitive process to assist effective decision-making on the part of the VTSO.
2. A portrayal should react to additional data/or information sources by only displaying the data that is required by the VTSOs.
3. A portrayal should be adapted to local regulations and conditions.
4. The portrayal should be configurable to satisfy the VTSO´s needs.
5. VTSOs should be able to select certain information items to display on an user friendly portrayal way to avoid overload of data.
6. The portrayal should provide data in that way, that the VTSO intuitively understands the meaning of the data.
7. A methodology or design steps should be followed to implement a VTS-portrayal.
8. The portrayal (human machine interface) should be independent from the data processing and sensor components.
9. Although the VTS Centres may become information hubs, the portrayal should not become the information hub.
10. The VTS-portrayal should only focus on the VTS-tasks.
11. Portrayal should include the presentation of data quality.
12. Common items of onboard and VTS Centre portrayals should be harmonized. However, differences could exist to support specific portrayal tasks and needs. Appropriate authority should implement the harmonized portrayals.
13. The VTS portrayal should fulfill the IALA minimum requirements.
14. The VTSO input data should pass through validation checks and the portrayal should give an indication in case of a mistake.
15. The VTS portrayal can be (technically) designed to support real time risk assessment. The administration should consider this function.
16. The portrayal should interact with decision support tools (DST) and the output of a DST should follow the IALA portrayal recommendation.
17. The design of automated alarms and alerts should match awareness to the traffic situation.

**RECOMMENDS ALSO**

1. Nil.