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| IALA Recommendation |

R0128

Establishment of VTS Systems and VTS Equipment

Edition 5.0

Date (of approval by Council)

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

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| Date | Details | Approval |
| June 2005 | Edition 1.1 Addition of Annex 6 – Hydrological and Meteorological equipment.  Annexes added as they are completed to ensure all aspects of VTS equipment are covered. | Council 39? |
| December 2005 | Edition 2.0 Restructured to include operational performance requirements. Annex 2 amended to reflect new annex on operational performance requirements. Annex 6 renamed to Annex 5 and Annex 1,3,4,6 added.  Annexes added as they are completed to ensure all aspects of VTS operations and equipment are covered. | Council 40? |
| June 2007 | Edition 3.0 Editorial changes to correct errors in paragraph numbering, cross references etc.  Structure of annexes harmonised, part of Annex 2 moved to new IALA Guideline (Establishment of Radar Services)  Clarification of text, few sentences in annex 1 and 2.  Inconsistence in cross references, table of contents etc. in edition 2.0  Varying structure of individual annexes. Users of the document provided ideas to clarification of text on some subjects. | Council 43? |
| May 2015 | Edition 4.0 Document restructured into the Recommendation in the annex and a new guideline.  Incorporate changes in technology. Extend the sections that were marked “to be defined” in edition 3. | Council 60 |
| XX 2022 | Edition 5.0 Update document to align with IMO Resolution *A.1158(32) Guidelines for Vessel Traffic Services* and new G1111 guidelines. | Council xx |
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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.

**RECOGNIZING**:

1. That IALA recommendation R0128 provides the framework to assist competent authorities and vessel traffic service (VTS) providers when arranging for the establishment of the functional and performance requirements for VTS Systems.
2. IALA guidelines related to the establishment of the functional and performance requirements for VTS Systems and VTS Equipment include, but are not necessarily restricted to:
   1. G1111 Establishing Functional and Performance Requirements for VTS systems
   2. G1111-1 Producing Requirements for the Core VTS system
   3. G1111-2 Producing Requirements for Voice Communications
   4. G1111-3 Producing Requirements for RADAR systems
   5. G1111-4 Producing Requirements for AIS and VDES systems
   6. G1111-5 Producing Requirements for Environment Monitoring systems
   7. G1111-6 Producing Requirements for Electro Optical systems
   8. G1111-7 Producing Requirements for Radio Direction Finder systems
   9. G1111-8 Producing Requirements for Long Range Sensor systems
   10. G1111-9 Producing Framework for Acceptance of VTS Systems

**CONSIDERING** the proposals of the VTS Committee,

**NOTING:**

1. That IALA fosters the safe, economic and efficient movement of vessels through improvement and harmonization of marine aids to navigation, including VTS, world-wide.
2. The *International Convention on the Safety of Life at Sea (SOLAS) 1974, Chapter V (Safety of Navigation), Regulation 12* provides for VTS and states, inter-alia, that:
   1. Vessel traffic services (VTS) contribute to safety of life at sea, safety and efficiency of navigation and protection of the marine environment, adjacent shore areas, work sites and offshore installations from possible adverse effects of maritime traffic.
   2. Contracting Governments undertake to arrange for the establishment of VTS where, in their opinion, the volume of traffic or the degree of risk justifies such services.
   3. Contracting Governments planning and implementing VTS shall, wherever possible, follow the guidelines developed by the Organization (International Maritime Organization Resolution *A.1158(32*) on *Guidelines for Vessel Traffic Services*).
3. That IMO Resolution on *A.1158(32)* recognizes, inter-alia, that:
   1. The level of safety and efficiency in the movement of maritime traffic within an area covered by a vessel traffic service is dependent upon close cooperation between those operating the vessel traffic service and participating ships.
   2. The use of differing procedures may cause confusion to ship masters, and that vessel traffic services should be established and operated in a harmonized manner and in accordance with internationally approved guidelines.
   3. Contracting Governments are encouraged to take into account IALA standards and associated recommendations, guidelines and model courses.
4. The establishment and on-going operation of a VTS requires the implementation and on-going maintenance of VTS Systems and VTS Equipment to ensure the capability to interact with the traffic and to respond to the developing situations in the VTS area. The functional and performance requirements for VTS Systems need to be carefully considered in the establishment and ongoing operation of VTS to ensure the purposes of the VTS can be achieved.

**ADOPTS** the Recommendation *R0128 Functional & Performance Requirements for VTS Systems Edition 5.0*,

**RECOMMENDS** that competent authorities and VTS providers take into account IALA standards and associated recommendations and guidelines specifically related to the establishment and operation of VTS to contribute to achieving worldwide harmonization of VTS when arranging for the establishment of functional and performance requirements for VTS Systems.

**ALSO RECOMMENDS** considering *R0119 Establishment of a VTS* (*G1150 Establishing, Planning and Implementing a VTS*) to evaluate the operational needs to be covered within a VTS area, and to compare the needs and the VTS System established. Both the operational needs and the VTS System should be evaluated at regular intervals and/or when the criterias for the VTS has changed. The changes could be changes in the traffic, technological changes or physical changes in the area.

**INVITES** Members and Marine Aids to Navigation authorities worldwide to implement the provisions of the Recommendation,

**REQUESTS** the IALA VTS Committee or other committees as the Council may direct, to keep this Recommendation under review and to propose amendments, as necessary.

REVOKES IALA Recommendation *R0128 Operational and Technical Performance of VTS Systems Edition 4.0.*