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| **VTS Committee**  **Task Register**  **For**  **2018 – 2022** |
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Revisions to the 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** |
| 29 Sep 2017 | First Draft | Prepared at VTS44 for submission to Council |
| 4 Oct 2018 | Document Reviewed | Updated at VTS45 by input from WG |
| 18 Oct 2018 | Page 6 and 7 deleted | Overall status list (Task Tracking Traffic Lights) deleted because duplicated in VTS report |
| 11 Mar 2019 | Document Reviewed | Updated input from WG2 at VTS 46 and status changes, task renaming after VTS 46 by DE |
| 10 Oct 2019 | Document Reviewed | Changes from WG at VTS47 and from Task-Plan (Version 10.10.19) by Dirk Eckhoff |
| 16 Oct 2020 | Document Reviewed | Amendment after VTS49 on, titles, numbers of sessions for completion, revision notes and Task 1.3.1 and 3.3.2 updates by Dirk Eckhoff |
| 31 Mar 2021 | Document Reviewed | Track changes made after VTS49 accepted and amendments by the WG chair at VTS50 inserted by Dirk Eckhoff. |

Purpose of this Document

The purpose of this document is to maintain a register of VTS Committee Work Programme Tasks for 2018 - 2022 which describes:

* The current status of each Task
* How the Task is linked to IALA’s Strategic Alignment
* Key changes to the Task during its development

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# TASK 1.1.1 Revision of IMO Resolution A.857(20) Guidelines for VTS

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| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations | | |
| **Task** | 1.1.1 Revision of IMO Resolution A.857(20) Guidelines for VTS  1.1.1.1 Update Guideline 1089 to be in line with Revised IMO Resolution on Vessel Traffic Services post adoption.  Following submission of draft revision to IMO and approval of the draft guideline G1089 (task 1.1.1.1) by council at C72, two further tasks have been identified:  1.1.1.2 Update documents that require changes to incorporate the new terminology post adoption of the revised IMO Resolution on Vessel Traffic Services.  1.1.1.3 Review and update Rec V-120 to be a Guideline | | |
| **Objectives of the task** | Objectives of task 1.1.1: To lead the preparation of the draft revision of IMO Resolution A.857(20) through broad participation and engagement of all stakeholders for consideration by IMO MSC.  Joint task with WG 2 and WG 3.  Objectives of task 1.1.1.1: Update Guideline 1089 to be in line with Revised IMO Resolution on Vessel Traffic Services post adoption.  Objectives of tasks 1.1.1.2 & 1.1.1.3:  - a number of IALA documents need an interim update to keep them aligned to the new resolution until such time as a full review can be conducted.  - Recommendation V-120 requires a more extensive amendment and should be reissued as a guideline.  These are committee-wide tasks | | |
| **Expected outcome** | Outcome of task 1.1.1: A revised resolution that provides a clear and concise framework to implement and deliver VTS globally in a realistic, consistent and harmonized manner.  The revised/new resolution should be prepared in a form that:   * Provides an appropriate high-level framework that is both clear and concise * Provides a link between SOLAS, the resolution, IMO documentation and requirements relevant to VTS and IALA Standards (as amended or as adopted) * Recognises:   + The “key areas” identified in the IMO submission; and   + The outcomes from the Intersessional Meeting of Working Group 1 (Operations) in April 2018.   Outcome of task 1.1.1.1:  A revised guideline on provision of a VTS in line with the revised IMO Resolution on VTS to be in force immediately when the new resolution comes into force.  Outcomes of tasks 1.1.1.2 & 1.1.1.3:  1.1.1.2 –The reissue of IALA documents that can be aligned without a full review incorporating interim amendments until such time as a full review can be scheduled in the normal course.  1.1.1.3 – Recommendation V-120 - VTS in Inland Waters revised and reissued as a guideline. | | |
| **Compelling need** | Compelling need for task 1.1.1: The IMO Maritime Safety Committee approved a submission (MSC/99/20/3) by 8 Contracting Governments and 4 Non-Government Organisation (including IALA) for a revision of Resolution A.857(20) on Guidelines for Vessel Traffic Services at its 99th meeting in May 2018.  The IMO Sub-Committee on Navigation, Communications and Search and Rescue (NCSR) will consider the revision during the 2019-2020 biennium.  Compelling need for tasks 1.1.1.1, 1.1.1.2 & 1.1.1.3:  The new Resolution on Guidelines for Vessel Traffic Services will be a significant revision to IMO Resolution A.857(20). It will represent a major change in format and include some important changes to VTS policy. To ensure that IALA is recognised as a forward-looking and pro-active organisation, it is vital that the changes to the Resolution are reflected in IALA VTS documentation as quickly as possible after the new Resolution is issued. Task 1.1.1.1 especially focused on the guideline on provision of a VTS.  The two remaining parts of this task, 1.1.1.2 & 1.1.1.3, make appropriate preparations for the interim update of a number of IALA documents ready for issue promptly after the new resolution itself is issued. | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 - Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines.  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consisten with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**  Refer to MSC/99/20/3  **Out of scope:**  Refer to MSC/99/20/3  For tasks 1.1.1.2 & 1.1.1.3  **In scope:**  Only IALA documents on VTS that can be aligned with the new resolution through the update to terms/quotes and the update to cross-references, with the exception of V-120 for which a full revision and transposition into a guideline is required.  **Out of scope:**  Any IALA document on VTS requiring more extensive revision and detailed review by the Committee with the exception of the transposition of V-120 into a guideline. | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Preparation of revised/new Resolution for submission to NSCR First draft IALA revised/new Resolution for approval by the Committee and subsequent adoption by the Assembly. Key milestones for task 1.1.1 include:   |  |  | | --- | --- | | First draft of revised/new Resolution | Oct 2018 (VTS45) | | Information Paper/s to NCSR and MSC  • Status of the revision  • Invitation to the workshop [May 13 – 17, 2019] | Jan 2019 | | Second draft of revised/new Resolution | Mar 2019 (VTS46) | | Status Report to MSC101 | Jun 2019 | | Workshop with stakeholders to review the draft revision | TBC | | Final draft of revised/new Resolution | October 2019 (VTS47) |   For task 1.1.1.1:  Review and update G1089 to be available for IALA members in good time before the resolution comes into force. VTS49 finalized a draft in Oct. 2020 and Council 72 approved the document in Dec. 2020 and is available on IALA web.  For tasks 1.1.1.2 & 1.1.1.3:  Review of all VTS related documents and amendments proposed as necessary for submission to Council and approval for issue concurrent with IMO’s issue of the new resolution expected end 2021 or early 2022. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | WP 2018-2022 | |
|  | **Agreed by session** | **TD#** | **Comments** |
| 1.1.1 - VTS47  1.1.1.1 - 1.1.1.3 – VTS49 | 1 (2,3)  1 (2,3) | Approved by Council 70.  Approved by Council 72. |
|  | **Approved by Council**  Task 1.1.1  Task 1.1.1.1-1.1.1.3 | *(Council session)*  70  72 | Dec 2019  Dec 2020 |
|  | **Revision Notes:**  **Updated VTS50 (Mar 2021)** | Revision of resolution completed at VTS47.  Revision of G1089 completed at VTS49.  Follow-on tasks 1.1.1.1, 1.1.1.2 & 1.1.1.3 added. | |

# Task 1.1.2 Review/Update Recommendation V-119 on the Implementation of Vessel Traffic Services (Output to be a Revised Recommendation and Associated Guideline on the Establishment of VTS)

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| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations | | |
| **Task** | Review and update V-119 on the Implementation of Vessel Traffic Services (R0119) (Output to be a revised Recommendation and associated Guideline 1050 on the Establishment of VTS)  *(Propose a name for the task)* | | |
| **Objectives of the task** | To update IALA Recommendation V-119 on the Implementation of Vessel Traffic Services to ensure it provides an effective document to assist Competent Authorities and VTS Authorities to implement and operate VTS in a globally harmonised manner.  Joint task with WG 2.  *(Describe the objective/s of the task)* | | |
| **Expected outcome** | The release of an updated IALA Recommendation and associated Guideline consistent with the IALA document structure.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | The existing Recommendation is in need of a major update to reflect changes in VTS since it was last updated in 2009 to ensure it continues:   * To provide appropriate guidance for Competent Authorities and VTS Authorities to implement and operate VTS in a globally harmonised manner consistent with SOLAS Chapter V Regulation 12, and IMO Resolution A.857(20) Vessel Traffic Services * To minimise any possible confusion to masters transiting between VTSs   Key changes the revised guidance needs to reflect includes:   * The new IALA document Structure * Revised / updated IALA guidance produced since 2009, such as:   + Recommendation V-128 on Operational and Technical Performance Requirements for VTS Equipment   + Recommendation O-134 on the IALA Risk Management Tool for Ports and Restricted Waterways * IALA guidance released since 2009, such as:   + Guideline 1101 on Auditing and Assessing VTS   + Guideline 1089 on Provision of Vessel Traffic Services (INS, TOS & NAS)   + Guideline 1115 on Preparing for an IMO Member State Audit Scheme (IMSAS) on Vessel Traffic Services   Further, many national members have expressed concerns that the existing document is cumbersome and difficult to understand/give effect to in the implementation of VTS.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines.  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**   * Review of structure and content of the Recommendation * To align the revised guidance with the new IALA document structure * Ensure the revised guidance reflects all applicable IALA Guidance associated with the implementation and operation of VTS * Evaluate the need for the guidance to include any additional components such as:   + International / Regulatory framework for VTS   + The ongoing delivery of VTS to be included   **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | * Review of V-119 to identify content:   + That is dated/inconsistent with other Recommendations and Guidelines; and/or   + That is not currently included but should be. * Prepare revised Recommendation consistent with new IALA document structure and associated Guideline/s. * Submit revised documentation to Council for approval. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X | | |
| **Committee notes** | **Origins** | * Proposed by Committee at VTS43 * V-119 has not been updated since 2009. | |
|  | **Agreed by session** | **TD#** | **Comments** |
| 49 |  | Both to Council for approval. |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 1.1.3 Develop guidance on training needs for those involved in the planning and implementation of a VTS, to be included in the new Guideline on the Establishment of VTS (task 1.1.2)

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| **Standard** | 1040 - Vessel Traffic Services | | |
| **Topic Area** | VTS Implementation | | |
| **Task** | Develop guidance on training needs for those involved in the planning and implementation of a VTS, to be included in the new Guideline on the Establishment of VTS (task 1.1.2) | | |
| **Objectives of the task** | To provide guidance to assist countries implement and operate Vessel Traffic Services effectively and in a manner consistent with their international obligations under SOLAS.  Joint task with WG 3 and WWA.  *(Describe the objective/s of the task)* | | |
| **Expected outcome** | A Model Course on Preparing to Implement Vessel Traffic Services  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | The development and implementation of VTS is rapidly being embraced by an increasing number of countries. It has become evident that there is a need to provide guidance to assist the preparation for implementing Vessel Traffic Services effectively and in a manner consistent with their international obligations under SOLAS.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S4 - Continue to develop capacity building activities to improve the global provision of Marine Aids to Navigation. | | |
| **Scope** | **In Scope:**  All IALA documents related to VTS.  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | To prepare a model course that provides a ‘road map” to assist developing countries reference and incorporate IALA documentation when planning, implementing and operating VTS.  Key milestones include:   * October 2018 – Scope Task and prepare skeleton. * March 2019 – Draft document prepared * October 2019 – Draft guidance reviewed by VTS Committee and forwarded to Council for approval. | | |
| **Expected numbers of sessions for completion** | *Session number:*  *45 46 47 48 49 50 51*  X | | |
| **Committee notes** | **Origins** | Requested by WWA at VTS43 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Task name change at VTS46  To be included in GL developed under Task 1.1.2 at VTS47  Completed under task 1.1.2 | |

# TASK 1.1.4 Develop Guideline on the Provision of Local Port Services (LPS) other than VTS

| **VTS Committee Work Programme 2018-2022** | | | |
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| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | Implementation | | |
| **Task** | Develop a Guideline G1142 on the Provision of Local Port Services (LPS) other than VTS | | |
| **Objectives of the task** | To provide guidance to:   * Assist Governments/Competent Authorities to ensure that a clear differentiation exists between VTS and local services, and that this is clearly communicated to mariners, allied services and other stakeholders. * Assist entities operating local services to enhance efficiency and safety in a globally harmonised manner through the adoption of internationally recognised best practice.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | An IALA Guideline.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | Local services offer a mechanism to aid efficiency in ports where relevant Government/s are of the opinion that the volume of traffic or the degree of risk does not justify exercising their rights to establish VTS under provisions of SOLAS.  There are significant differences between local services and a VTS and there is a need:   * For Governments/Competent Authorities to ensure that a clear differentiation exists between VTS and local services, and * That this is clearly communicated to mariners, allied services and other stakeholders.   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**  N/A – Not VTS related  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Preparation of a new Guideline on the Provision of Local Services other than VTS. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X | | |
| **Committee notes** | **Origins** | Proposed by IHMA for input to 2018-22 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
| 45 |  | Completed at VTS45 |
|  | **Approved by Council** | 68 *(Council Session)* | 14.12.2018 *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 1.2.1 Review and Update V-127 on Operational Procedures for Vessel Traffic Services (Output to be a Revised Recommendation and Associated Guideline)

| **VTS Committee Work Programme 2018-2022** | | | |
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| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | Operations | | |
| **Task** | Review and update V-127 on Operational Procedures for Vessel Traffic Services (Output to be a revised Recommendation R0127 and associated Guideline G1141 on Operational Procedures for VTS) | | |
| **Objectives of the task** | To review and update IALA Recommendation V-127 on Operational Procedures for Vessel Traffic Services to:   1. Reflect the new IALA documentation structure. That is a:  * **Recommendation**: IALA Recommendations specify what practices shall be carried out in order to comply with a Recommendation, and may be referenced, in full or in part, in an IALA Standard * **Guideline**: IALA Guidelines describe how to implement practices normally specified in a Recommendation.  1. Reflect new and amended IALA documentation since the existing version was approved in 2011; and 2. Ensure it provides an effective document to assist Competent Authorities and VTS Authorities to implement and operate VTS in a globally harmonised manner.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | An IALA Recommendation and associated Guideline.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | The current Recommendation:   * Only refers to Operational Procedures and provides no reference to VTS Operations and the suite of Guidelines associated with this Topic Area under IALA Standard 1040. * Needs revision and updating to reflect changes in VTS guidance since it was last updated in 2011 to ensure it continues: * To provide appropriate guidance for Competent Authorities and VTS Authorities to implement and operate VTS in a globally harmonised manner consistent with SOLAS Chapter V Regulation 12, and IMO Resolution A.857(20) Vessel Traffic Services * To minimise any possible confusion to masters transiting between VTSs   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines.  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**   * Review of structure and content of the Recommendation * To align the revised guidance with the new IALA document structure * Ensure the revised guidance reflects all applicable IALA Guidance associated with the implementation and operation of VTS * Evalulate the need for the guidance to include any additional components such as:   + International / Regulatory framework for VTS   + The ongoing delivery of VTS to be included   **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | * Complete a revised Recommendation at IALA VTS 45. * Complete new Guideline[s] at IALA VTS 50. * Submit revised and new documents to Council for approval after IALA VTS 50. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | Proposed by IHMA for input to 2018-22 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
| VTS45 |  | Agreed only R0127, GL revision ongoing, |
|  | **Approved by Council** | 68 *(Council Session) (Rec only)* | 14.12. 2018*(Date)* |
|  | **Revision Notes:** | Revision of RC and GL ongoing | |

# TASK 1.2.2 Update Guideline 1110 on Decision Support Tools for VTS Personnel

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| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | Operations | | |
| **Task** | Update Guideline 1110 on Decision Support Tools for VTS Personnel (take into account emerging concepts and technologies)Joint task with WG 2. | | |
| **Objectives of the task** | To review and update Guideline 1110 on Decision Support Tools for VTS Personnel to:   1. Reflect the new IALA documentation structure. 2. Reflect new and amended IALA documentation. 3. Reflect current and emerging technologies.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | Updated Guideline 1110 on Decision Support Tools for VTS Personnel in relation to new Recommendation RO127 (V-127).  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | The current Guideline:   * Needs revision an updating to reflect changes in use of decision support tools for VTS personnel.   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines.  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**   * Review of structure and content of the Guideline * To align the revised guidance with the new IALA document structure * Ensure the revised guidance reflects all applicable IALA Guidance associated with the operation of VTS   **Out of scope:**  N/A.  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | * N/A | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X | | |
| **Committee notes** | **Origins** | Conclusion from VTS Symposium 2016 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 1.2.3 Produce a Guideline for Promulgating the Requirements of a VTS to Mariners – A VTS Users Guide Template

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations | | |
| **Task** | Develop a Guideline for Promulgating the Requirements of a VTS to Mariners – A VTS Users Guide Template | | |
| **Objectives of the task** | To prepare a template for VTS authorities to promulgate the operational requirements of a VTS in a globally consistent manner | | |
| **Expected outcome** | An IALA guideline providing guidance for VTS authorities to promulgate the operational requirements of a VTS in a globally consistent manner via an agreed template. | | |
| **Compelling need** | IMO Resolution A.857(20) Guidelines for Vessel Traffic Services states that VTS authorities should provide mariners with full details of the requirements to be met and the procedures to be followed in the VTS area.  This information is currently provided through a number of means (e.g. Port User Guides, Admiralty List of Radio Signals, etc.) and in a manner that has no standardized structure or format.  The use of differing vessel traffic service procedures may cause confusion to masters of vessels moving from one vessel traffic service area to another. | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**   * Establish of structure and content of the Guideline * To draft and align the guideline with the new IALA document structure * Ensure the guide reflects all applicable IALA Guidance * Associated with the implementation and operation of a VTS   **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | * Draft the guideline, includes: * The background and purpose of the guideline * The template of a VTS USERS GUIDE, including items and format   Submit the guideline to VTS committee 45th meeting for discussion   * Review of structure and content of the guideline * Submit revised documentation to Council for approval | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X | | |
| **Committee notes** | **Origins** | Proposed by MCA at Intersessional Meeting in April 2018 regarding review/update of A.857(20) | |
|  | **Agreed by session** | **TD#** | **Comments** |
| VTS46 |  |  |
|  | **Approved by Council** | 69 *(Council Session)* | 22.06.19 *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 1.2.4 Develop Guideline on Maritime Services in the context of e-Navigation relating to VTS

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations | | |
| **Task** | Provide VTS input to ARM (lead Committee) for the development of a Guideline on Maritime Services in the context of e-Navigation relating to VTS (merged with task 1.2.7) | | |
| **Objectives of the task** | * Revise sections MS1 – 3 to reflect new IMO Resolution on Guidelines for VTS for inclusion in a Guideline on Maritime Services in the context of e-Navigation relating to VTS   to include:   * + Description of the maritime service   + Purpose   + Operational approach   + User needs   + User case   + Information to be provided   + Associated technical services, and   + Relation to other MSs * Identification of the relationship between all maritime services in accordance with the definition by IMO under e-navigation * Define the criteria and conditions for VTS providers in order to establish on the harmonized implementation and operation of MS’s. (para 4.1.7 – 4.1.8 ?) * Contribute from a VTS perspective to the further development of e-navigation, including the delivery of product specifications for MS in the context of e-Navigation;   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | * To provide input to ARM for the update of sections MS 1-3 in the draft guideline on Maritime Sevices in line with the new IMO resolution * Contribute to the further development of e-navigation, establishing the role and position of VTS in this concept; * Review of relevant IALA Guidelines, Recommendations and Standards on VTS, where appropriate; * (To provide clarity to VTS providers of what is expected by the maritime community in the context of e-Navigation to support VTS; (reference to 1.2, purpose))   *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | Maritime Services need to be implemented in VTS to keep up with the ongoing digitalisation of information and services to promote improved safety, security and sustainability of shipping. The draft sections on MS1 – 3 will need to be amended to reflect the changes in the IMO Resolution on Guidelines for vessel traffic services when adopted by the IMO Assembly (expected early 2022) and the redraft of IALA guideline G1089 on the provision of VTS, which has been prepared to align with the new resolution when issued.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**  Operational descriptions of the MS for the VTS.  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones (where appropriate).** | N/A. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | * Carried over from 2014-18 Work Programme * Commenced at VTS40 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Task name change at VTS46  Task 1.2.7 merged with T1.2.4  Await outcomes on MS from other parties | |

# TASK 1.2.5 Develop a Guideline on the Implications of Maritime Autonomous Surface Ships from a VTS Perspective

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations / VTS Technologies | | |
| **Task** | Develop guidance on the Implications of Maritime Autonomous Surface Ships (MASS) from a VTS Perspective. | | |
| **Objectives of the task** | 1. Remain cognizant, and contribute to, the scoping exercise being progressed by PAP Task Group on the implications of MASS on VTS documents (China MSA input paper VTS50-9.2.6). 2. To prepare a discussion paper describing the implications of MASS on the provision of VTS and its regulatory and legal framework. The paper should:    1. Clearly and concisely identify:  * Trends and opportunities presented by MASS * Issues / challenges for the management of ship traffic in a VTS area.   In particular, the possible implications for life at sea, safety and efficiency of navigation, protection of the environment and mitigating the development of unsafe situations   * Options, policies and strategies for VTS to embrace influence MASS. * Implications for the regulatory and legal framework for VTS   1. Provide the basis for strategically planning for MASS and determining new work programme tasks associated with the preparation of new/amended IALA guidance (e.g. a new guideline)  1. Provide guidance to assist authorities ensure the safety and efficiency of vessel movements in the VTS area, recognising:  * The advent of MASS and their interaction with conventional manned vessels within VTS areas. * The interaction process of autonomous vessels with conventional traffic. * The information flow between MASS and shore authorities; and * The related information exchange with conventional traffic.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | A discussion paper to assist the VTS Committee consider the implications the implications of MASS on the provision of VTS.  Guidance to assist authorities ensure the safety and efficiency of vessel movements in the VTS area with the advent of MASS.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | The concept of MASS is progressing rapidly with many tests and trials being conducted world-wide.  Safety is a primary concern for regulators and legislators and it will be necessary for legislators to achieve a balance in maintaining high safety standards as well as keeping up with rapid technological developments.  VTS will undoubtedly have a key role to play with MASS and the preparation of a discussion paper will provide a robust platform for the Committee to consider its implications and respond strategically in preparing appropriate IALA guidance.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  **Strategy** | | |
| **Scope** | **In Scope:**  **Impacts – Strategic Operational Legal remit under 857**  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Key milestones for completing the task include:   |  |  | | --- | --- | | VTS50 | Update the Task Register  Prepare Guiding Principles  Prepare first draft | |  | | VTS51 | Review of draft document | |  |  | | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X | | |
| **Committee notes** | **Origins** | * Proposed by Committee at VTS44 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | **VTS47** - shift from sessions 49-50 to 50-51  **VTS50** - Task commenced and a review and update of Task register completed | |

# TASK 1.2.6 Develop Guidance on how to Develop a Safety Culture in VTS

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations | | |
| **Task** | Develop a Guideline on Safety Culture in VTS | | |
| **Objectives of the task** | * Define Safety culture as it relates to VTS. * Examine the link between Safety culture and the use of a shore-based Safety Management System. * Determine how existing documents relate to and support Safety Culture in VTS.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | A guideline that links the existing IALA documentation highlighting safety and educational elements that when considered together with a Safety Management System will ensure a well informed and effective safety culture in VTS.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | IALA provides guidance on many aspects of safety however there is very little guidance on how to ensure the working environment in VTS cultivates safe attitudes and behaviors.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**    **Strategy** | | |
| **Scope** | **In Scope:**  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). |  | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X | | |
| **Committee notes** | **Origins** | Conclusion from VTS Symposium 2016 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Task commenced at VTS50 according to the Task Plan. | |

# TASK 1.2.7 Develop Guidance on the Development and Implementation of VTS related MS’s other than MS 1, 2 and 3 (deleted – merged with Task 1.2.4)

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations | | |
| **Task** | ~~Develop guidance on the development and implementation of VTS related MS’s other than MS 1, 2 and 3~~ | | |
| **Objectives of the task** | * Identification of present and potential MS other than MS 1, 2 and 3 delivered by VTS in accordance with its definition by IMO under e-navigation; * Development of a set of criteria and conditions for competent VTS authorities to decide on the harmonized implementation and operation of MS other than MS 1, 2 and 3.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | * More detailed MS guideline * Contribute to the further development of e-navigation, establishing the role and position of VTS in this concept; * Review of relevant IALA Guidelines (1089), Recommendations and Standards, where appropriate; * Make relevant changes to IALA VTS Manual regarding MS other than MS 1, 2 and 3.   *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | MS need to be implemented in VTS to keep up with the ongoing digitalisation of information and services to promote improved safety, security and sustainability of shipping.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**   * Operational descriptions of MS other than MS 1, 2 and 3 for the VTS.   **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | N/A. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X | | |
| **Committee notes** | **Origins** | * Proposed by Committee at VTS44 | |
|  | **Agreed by session** | **TD#** | **Comments** |
| 47 |  | To Council to approve:  merge with task 1.2.4.and delete task 1.2.7 |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |

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# TASK 1.2.8 Develop a IALA Reference List on IALA Documentation Relating to VTS

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations | | |
| **Task** | Develop a IALA Reference List on IALA Documentation Relating to VTS Relating to VTS - A Reference List on IALA Standards, Recommendations and Guidelines | | |
| **Objectives of the task** | The objective of this list is to provide a reference document for Competent Authorities, VTS Authorities and VTS Training Organisations on IALA documentation (Standards, Recommendations, Guidelines and Model Courses) specifically related to the development, implementation and operation of VTS.  The list will be updated with the release of any new or amended IALA guidance specifically related to VTS.  *(Describe the objective/s of the task)* | | |
| **Expected outcome** | A reference list.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | IALA Guidance relating to VTS is covered under four IALA Standards:   * IALA Standard 1040 - Vessel Traffic Services * IALA Standard 1010 - Marine Aids to Navigation Planning and Service Requirements * IALA Standard 1050 - Training and Certification * IALA Standard 1070 - Information Services   There is a need for a ‘user friendly’ reference guide to IALA documentation relating to VTS:   * The proposed guideline provides a ‘road map’ for Competent Authorities, VTS authorities and entities considering the implementation of VTS to identify all IALA guidance documents relating to VTS. * Further, by updating the guideline with the release of any new or amended IALA guidance specifically related to VTS the document is always up-to-date.   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines.  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**   * All IALA documentation relating to VTS.   **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Draft prepared at VTS44 to be reviewed at VTS45 with a view to forwarding to Council for approval: | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X | | |
| **Committee notes** | **Origins** | Carried forward from 2014-2018 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
| VTS-45 |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Reviewed at VTS44, Completed, continued update by Sec. | |

# TASK 1.3.1 Update the Guideline G1132 on VTS VHF Voice Communications, including standard Phrases / Phraseology

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Communications | | |
| **Task** | Update the Guideline G1132 on VTS VHF Voice Communication, including standard Phrases / Phraseology | | |
| **Objectives of the task** | Updating the existing guideline on VTS Voice communication with phrases based on key operational and emergency VTS scenarios, to provide guidance for the use of standard VTS communication phrases to:   * Facilitate the provision of clear, concise, and unambiguous communications that are timely and effective. * Minimise misunderstanding of the intent of messages and reducing the time required for effective communication. * Mitigate complacency with more experienced operators, as well as a valuable coaching tool for new VTS personnel * Assist VTS Training organisations to incorporate the use of standard VTS phraseology into their course curriculums.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | An update Guideline to compliment Recommendation R1012 ‐ VTS Communications.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | There is currently no IALA guidance for standardised VTS phraseology to provide quick and effective communication to overcome differences in language and reduce the opportunity for misunderstanding  Ambiguous or non-standard phraseology is a frequent causal or contributory factor in accidents and incidents.  A key factor in achieving the full potential of VTS globally is the development of international standards for VTS Language to ensure effective communication, including structure and phraseology, which are suitable for both native and non-native English speakers.  The 2012 IALA VTS Symposium recognised a compelling need to establish stand‐alone communication procedures for VTS to facilitate clear and unambiguous transfer of information.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines.  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**   * A document that is practical, limited in length and user friendly. * The document should:   + Provide the framework for adopting common phraseology in all communications.   + Provide examples of phraseology. These should not be exhaustive, but simply representative of phraseology in common use and for key situations.   + Where possible, be harmonised with other existing relevant documentation that provide communication guidance. It will review and supplement the IMO SMCP VTS section.   **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones (where appropriate).** | Develop principles for VTS message construction  Develop a framework for the adoption of common phraseology for clear and unambiguous communication.  It should also provide fresh advice that is not only coaching new VTS personnel but guards against complacency with more experienced operators. | | |
| **Expected numbers of sessions for completion** | *Session number:*  *45 46 47 48 49 50 51*  X  X  X  X  X | | |
| **Committee notes** | **Origins** | * 2018-22 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 1.3.2 Develop Recommendation on Digital Information Transfer between Ship and Shore in VTS Operations (Operational Aspects)

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Communications | | |
| **Task** | Develop Recommendation on Digital Information Transfer between Ship and Shore in VTS Operations (Operational Aspects) | | |
| **Objectives of the task** | *(Describe the objective/s of the task)* | | |
| **Expected outcome** | *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**    **Strategy** | | |
| **Scope** | **In Scope:**  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones (where appropriate).** |  | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X | | |
| **Committee notes** | **Origins** | * 2018-22 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 1.4.1 Update and publish the VTS Manual and develop related procedures for its future management

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| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | Not Applicable | | |
| **Task** | Update and publish the VTS Manual and develop related procedures for its future management | | |
| **Objectives of the task** | *(Describe the objective/s of the task)* | | |
| **Expected outcome** | *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  **Strategy** | | |
| **Scope** | **In Scope:**  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). |  | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X | | |
| **Committee notes** | **Origins** |  | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  | Completed at VTS49  Input to PAP |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 1.4.2 Develop procedures for the ongoing management and conduct of the Global VTS Questionnaire

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | Not Applicable | | |
| **Task** | Develop Procedures for the Ongoing Management and Conduct of the Global VTS Questionnaire | | |
| **Objectives of the task** | 1. To update the results presented in the report from the first survey released at the VTS 2016 Symposium as a means to assist IALA and its members develop VTS related guidance in the 2018-22 Work Programme and contribute to the safety and efficiency of navigation through the operation of VTS. 2. To facilitate achieving greater global understanding and consistency in the establishment and operation of VTS in accordance with internationally approved guidelines. 3. To identify emerging trends in the delivery of VTS globally.     *(Describe the objective/s of the task)* | | |
| **Expected outcome** | The release of an updated report on VTS at the 2020 VTS Symposium.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | The number of VTSs being implemented by contracting governments / competent authorities is growing substantially each year and accurate statistics on the regulatory frameworks, policies and procedure being adopted will facilitate IALA to maintain a suite of up-to-date and relevant guidance documents (Recommendations and procedures) that will:   * Assist members give effect to their obligations under SOLAS Chapter V Regulation 12, and IMO Resolution A.857(20) Vessel Traffic Services; and * Ensure the implementation and operation of VTS in a globally harmonised manner and in a manner that will minimise any possible confusion to masters transiting between VTSs.   The first Questionnaire successfully achieved its aim of gathering information:   * To gain a common understanding of the delivery of VTS worldwide. * To harmonise service quality, training and operating procedures worldwide. * To contribute to the improvement of VTS related IALA documentation.   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G2 - All coastal states have contributed to a sustainable and efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.  **Strategy**  S3 - Coordinate the further development of Marine Aids to Navigation, taking into account evolving operational and functional requirements, new techniques, new technologies and sustainability. | | |
| **Scope** | **In Scope:**   * Review / update the stand-alone Questionnaire * Maintain the database structure from the 2016 survey to enable changes to be evaluated an reported   **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Key milestones for completing the task include:   * WG1 to review/update the stand-alone questionnaire for VTS * WG2 and 3 to comment and to make additional input * VTS Committee to finalize questionnaire and to forward to Council for approval * Web based questionnaire and associated database updated * VTS Committee (through IALA Secretariat) to send out VTS questionnaire to Competent Authorities   Result of the questionnaire to be presented at VTS Symposium (August 2020) | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X  X | | |
| **Committee notes** | **Origins of the Task** | Proposed by Committee at VTS43.  Consideration should be given to updating the Questionnaire results every two year | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | At VTS47 prolonged to 47 &48  Pending data base management | |

# TASK 1.4.3 Prepare a “living document” on “Future VTS”, including emerging Technologies and Human Element

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | Not Applicable | | |
| **Task** | Prepare a “living document” on “Future VTS”, including emerging technologies and human element”. | | |
| **Objectives of the task** | 1. To prepare a document to assist planning for VTS into the future and in a manner that facilitates global harmonisation of the delivery of enhanced services and is consistent with international law. 2. To identify and document key emerging developments and issues that may challenge the existing international framework for VTS. 3. To identify and document possible mechanisms to address key emerging developments and issues.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | A “living document” on “Future VTS” that is reviewed/updated on a regular basis. *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | To provide a reference document to:   * Assist with the planning of future work programme tasks * Ensure the Committee remains cognisant of emerging trends and technologies that will impact on VTS; and * Facilitate communicating the future direction of VTS to stakeholders   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations. | | |
| **Scope** | **In Scope:**  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Key milestones for completing the task include:   |  |  | | --- | --- | | VTS50 | Update the Task Register  Prepare Guiding Principles  Prepare first draft | |  | | VTS51 | Review of draft document | |  |  | | | |
| **Expected numbers of sessions for completion** | *Session number:*  *45 46 47 48 49 50 51*    X  X | | |
| **Committee notes** | **Origins** | * Proposed by Committee at VTS43 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Start session postponed due to VTS48 cancellation  Start session commenced at VTS50 | |

# TASK 2.1.1 Develop Guideline on the Portrayal of VTS Information and Data (both operational and technical aspects) (with WG1)

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Technology | | |
| **Task** | Develop Guideline on the Portrayal of VTS Information and Data (both operational and technical aspects) (with WG1) | | |
| **Objectives of the task** | Produce guidance to how to implement the recommendation  Quote from VTS46 Report paragraph 10.1 : *“Progress made in VTS45 was put on hold, due to the emergence of an existing guideline G1105 (Shoreside portrayal ensuring harmonisation with ENAV related information) which already covers much of the requirements of task 2.1.1. Therefore, in order to prevent any duplication of work, a gap analysis was undertaken. The findings will be incorporated into G1105 and G1111 as appropriate during VTS47.”*  At the end of VTS50, the Task is largely complete however a few issues remain regarding historic references to ENAV which the Task Group Leader will address inter-sessionally very soon after VTS50 | | |
| **Expected outcome** | An IALA Guideline | | |
| **Compelling need** | To include recommendations from R1014 | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  G2 - All coastal states have contributed to a sustainable and efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.  **Strategy**  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S3 - Coordinate the further development of Marine Aids to Navigation, taking into account evolving operational and functional requirements, new techniques, new technologies and sustainability.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**  **What the operator sees and does**  **Out of scope:**  Not related to HMI  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Needs to be done in cooperation with WG1, and to align current documentation | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X | | |
| **Committee notes** | **Origins** | Suggested by WG2 at VTS44 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | According Council 71 to coordinate with ENAV and ARM on GL1072 and GL1105 | |

# TASK 2.1.2 Develop Recommendation on Cyber-Security (lead ARM, all Committees via Workshop)

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Technology | | |
| **Task** | Develop a Recommendation and Guideline on Cyber-Security in AtoN operations (lead by ARM, all Committees via Workshop) | | |
| **Objectives of the task** | Support ARM on their task to produce a recommendation on Cyber-Security, ensuring all aspects of VTS is covered Secure that new services coming into VTS is considering Cyber-Security as a integral part of any addition into VTS. | | |
| **Expected outcome** | On hold pending the outcome of the Cyber Security workshop later in 2021 | | |
| **Compelling need** | Secure the integrity and validity of the services VTS provides | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  G2 - All coastal states have contributed to a sustainable and efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.  **Strategy**  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S3 - Coordinate the further development of Marine Aids to Navigation, taking into account evolving operational and functional requirements, new techniques, new technologies and sustainability.  S5 - Harmonise the information structure and communications for future navigation by creating standards, and by cooperation with other international organisations, to achieve worldwide interoperability of shore and ship systems.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**  Keeping VTS need as a focused input from committee  **Out of scope:**  General Cyber-Security (e.g Anti Virus, Firewall etc.)  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | VTS committee will continue to support the activity after the Cyber Security workshop in 2021. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X | | |
| **Committee notes** | **Origins** | Suggested by WG2 at VTS44 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Sec to note name change from ENG to ARM lead (at VTS47)  Waiting for workshop on cyber security in Oct.2021 | |

# TASK 2.2.1 Review Recommendation V-128 on Operational and Technical Performance of VTS Systems

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Technology | | |
| **Task** | Review and update Recommendation V-128 on Operational and Technical Performance of VTS Systems | | |
| **Objectives of the task** | To get an updated and current version of both the recommendation and the guideline. Taking into account new guidelines and technological developments  *(Describe the objective/s of the task)* | | |
| **Expected outcome** | not a major rewrite, just a technical update of technology and minor editorial changes or clarifications  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**    **Strategy** | | |
| **Scope** | **In Scope:**   * Technical updates, editorials and clarifications   **Out of scope:**   * Restructuring and major overhaul   *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | This Task will be completed in VTS51 together with the completion of the revision to Guideline 1111. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X | | |
| **Committee notes** | **Origins** | * Suggested at VTS43 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Start session postponed due to VTS48 cancellation | |

# TASK 2.2.2 Review and Update Guideline 1111 on Preparation of Operational and Technical Performance Requirements for VTS Systems

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Technology | | |
| **Task** | Review Guideline 1111 on Preparation of Operational and Technical Performance Requirements for VTS Systems | | |
| **Objectives of the task** | *(Describe the objective/s of the task)* | | |
| **Expected outcome** | not a major rewrite, just a technical update of technology and minor editorial changes or clarifications  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**    **Strategy** | | |
| **Scope** | **In Scope:**   * Technical updates, editorials and clarifications   **Out of scope:**   * Restructuring and major overhaul   *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Guideline 1111 has now been divided into a main Guideline and 9 sub-Guidelines including Task 2.2.3 on Acceptance which has now been brought into Guideline 1111 as Sub-Guideline 9 | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | * Suggested at VTS43 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Split into one general GL and nine specific GL | |

# TASK 2.2.3 Develop Guidance for Acceptance of VTS systems (deleted- merged with Task 2.2.2)

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Technology | | |
| **Task** | Develop Guidance for Acceptance of VTS systems | | |
| **Objectives of the task** | Develop generic and specific guidance to stakeholders on technical acceptance of a system. This includes verification through FAT, SAT and setting to work.  *(Describe the objective/s of the task)* | | |
| **Expected outcome** | Several guidelines one which covers VTS generally and others that merit specific guidelines due to complexity such as radar.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | Gap in knowledge on how to test and verify systems and ensure consistency throughout industry.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  G2 - All coastal states have contributed to a sustainable and efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.  **Strategy**  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**  VTS technology systems  **Out of scope:**  Systems not related to VTS  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | This Task has been merged into Task 2.2.2 as part of the revision work on Guideline 1111. As a result Task 2.2.3 can be deleted. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | * Carried over from 2014-18 Work Programme * Task commenced at VTS39 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | at VTS46: task name change and task extended by two sessions to VTS48  One specific GL under G.1111 | |

# TASK 2.3.1 Develop a Product Specification under the S-100 framework for VTS

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Information Services (1070) | | |
| **Topic Area** | Data models and data encoding | | |
| **Task** | Develop a Product Specification under the S-100 framework for VTS | | |
| **Objectives of the task** | 1. Evaluate descriptions of PS in development (gap analysis) 2. Determine relevant scenarios, in correspondence with WG1, for additional VTS data-elements and features 3. Develop a VTS product specification | | |
| **Expected outcome** | A VTS product specification | | |
| **Compelling need** | The development in VTS is moving towards an increased involvement in digital traffic management and electronic exchange of information. The relevant data must be standardized and harmonized with the VTS-data model.. | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards*.*  **Strategy**  S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations.  S6 - Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, national legislation and public expectations, to ensure the safety and efficiency of vessel traffic and to protect the environment. | | |
| **Scope** | **In Scope:**  Only features and data-elements that are relevant for VTS will be taken into account.  Developing a VTS PS task will require extensive resources, and considering the limited time, the task should be split into 3 phases. Phase 1 information exchange between ship to shore and shore to ship. Phase 2 will focus on inter VTS information exchange, and phase 3 will focus information exchange with VTS and allied services.  The scope of this task is only for phase 1.  **Out of scope:**  Features of product specifications not related to VTS.  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Work is ongoing and will continue inter-sessionally and during VTS51 | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | * Carried over from 2014-18 Work Programme * Task commenced at VTS45 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Task name change at VTS46  Task name change at VTS47  At VTS47 prolonged to 48 &49  Liaison note to ARM and ENAV on S212 referencing to other S100 product specification | |

# TASK 2.3.2 Review and Update Recommendation V-145 on the Inter-VTS Exchange Format (IVEF) Service (Output to be a revised Recommendation and associated Guideline)

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Information Services | | |
| **Topic Area** | Data models and data encoding | | |
| **Task** | Review and Update Recommendation V-145 on The Inter-VTS Exchange Format (IVEF) Service (Output To be a Revised Recommendation And Associated Guideline with a view to incorporating it as a product specification under S-200) | | |
| **Objectives of the task** | Make IVEF available as a product specification.  *(Describe the objective/s of the task)* | | |
| **Expected outcome** | The outcomes will comprise a Recommendation, Guideline and a Data Model.  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**    **Strategy** | | |
| **Scope** | **In Scope:**  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Create a data model and corresponding product specification of the current services of IVEF. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X | | |
| **Committee notes** | **Origins** | Suggested by WG2 at VTS44 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | Start session postponed to 50 due to VTS48 cancellation  Task commenced during VTS50 | |

# 

# TASK 3.1.1 Develop Guidance on Human Factors and Ergonomics in VTS

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Operations | | |
| **Task** | Develop guidance on human factors [and ergonomics] in VTS | | |
| **Objectives of the task** | To provide awareness regarding the role of the human factor in the performance of a VTS to competent authorities and VTSOs. Furthermore to provide guidance in implementing human factors in the training cycle of initial training, sector training, recurrent training, updating training and adaptation training. | | |
| **Expected outcome** | Guideline  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | A percentage of incidents and accidents can be reduced by creating awareness regarding the role of the human factor. Safety may be enhanced if VTSOs are aware of the human factor and are provided with tools in orde to decrease the mistakes that can be made. | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G2  **Strategy**  S6 | | |
| **Scope** | **In Scope:**  Human Factors on the performance level and Human Factors on a system level  **Out of scope:**  Safety culture; portrayal of data (covered by reference)  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | This guideline presents a source of information to assist Competent and VTS Authorities in the preparation and implementation of an improved operational performance within the VTS organisation.  Tailoring is required to capture the specifics and relevant requirements of the VTS included within this document. The guideline is not intended as a specification without such tailoring.  This document focuses on Human Factors only and should be used in conjunction with documents about Ergonomics such as …… | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | * Carried over from 2014-18 Work programme * Task commenced at VTS 43 | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  | 3 |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | At VTS 47 prolonged to 50 &51 | |

# TASK 3.2.1 Develop Guidance on the Management of a VTS

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Training and Certification | | |
| **Task** | Develop guidance on the management of a VTS | | |
| **Objectives of the task** | * Starting from the job description given by recommendation V-103, the objective is to provide guidance for VTS Management, competences and training, including a possible educational scheme (curriculum) which will provide details of the subject areas for knowledge and practical competences; * Introduce a new approach to VTS training, based on competence and qualification.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | Guideline  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | * Model Courses IALA V-103/1 and V-103/2 define the training programme for VTS Operator and Supervisor. However there is a lack of guidance – or equivalent – for VTS Management training. Considering the need of standardisation in the training process, an internationally agreed competency framework for VTS Management is required. * The construction of a competence based framework for VTS Management has the potential to increase the levels of harmonisation which is necessary to mitigate maritime related risks and threats in a more coherent manner.   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G2  **Strategy**  S6 | | |
| **Scope** | **In Scope:**   * VTS-oriented management * Define competencies and learning areas (included but not limited to QMS, risk management toolbox, management of human, financial and technical resources)   **Out of scope:**   * Management training in general   *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | * Investigate VTS Management tasks and areas of responsibility through a questionnaire * Investigate competences and learning needs related to these tasks and responsibilities * Confirm the document outcome (Guideline and/or Model Course) | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | * Proposed by Italy during 2014-18 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  | 3 |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | At VTS 47 prolonged to 50 | |

# TASK 3.2.2 Review, Update and Reformat Guideline 1045 on Staffing level at VTS centres.

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Training | | |
| **Task** | Review, update and reformat Guideline 1045 on staffing level at VTS centres. | | |
| **Objectives of the task** | * To update IALA Guideline No. 1045 to ensure it provides an effective document to assist Competent Authorities and VTS Authorities to plan, implement and establish staffing at a VTS centre in a globally harmonised manner. * To provide guidance on the calculation of the appropriate staffing level.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | Updated guideline with minor changes  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | VTS centres should be able to carry out manpower planning.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1  **Strategy**  S1 | | |
| **Scope** | **In Scope:**   * Review of the Guideline content * Review the validity of the formula for calculating staffing level * To align the Guideline with the future Guideline on Human Factors * To align the Guideline with the new IALA document structure   **Out of scope:**   * Staff qualifications   *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Updating the manual to current standards and terminology. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X | | |
| **Committee notes** | **Origins** | Proposed during 2014-18 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
| VTS-45 | 3 |  |
|  | **Approved by Council** | 68 *(Council Session)* | 14.12.2018 *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 3.3.1 Review and update Recommendation V-103 on the Standards for Training and Certification of VTS Personnel and associated Model Courses.

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | Competency Certification and revalidation | | |
| **Task** | 3.3.1a Review and split R0103 (V-103) to a Recommendation and Guideline  3.3.1b Review / update Model Course V-103/1 – VTS Operator  3.3.1c Review / update Model Course V-103/2 – VTS Supervisor  3.3.1d Review / update Model Course V-103/3;  3.3.1e Review / Update Model Course 103/4;  3.3.1f Review / Update Model Course 103/5 | | |
| **Objectives of the task** | * To split the existing IALA Recommendation R0103 into a new Recommendation and an associated Guideline. * The Guideline will provide a framework for the recruitment, training and certification of VTS personnel taking into account advances in modern best practices in education, training and certification. * The Model Courses will focus on the provision of output focussed harmonised training standards for VTS Operators, Supervisors, VTS On-the-Job Training and On-the-Job Training Instructors in addition to the process of revalidation of VTS qualifications and certification.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | Revised Recommendation, Guideline and a series of Model Courses  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | * Recommendation R0103 has remained broadly unchanged since 2009 and there have been significant advances in education, training and certification best practice since the Recommendation was last revised. * The Model Courses require review and updating to ensure that they reflect current practices in VTS delivery and provide a framework to ensure consistency in training outcomes taking account of the international and cross-cultural nature of the profession. * The changes in the IALA document structure, and progression towards a basis for mandatory training, also influence the requirement for a review to ensure all training and certification related documents are consistent and harmonised with the new IALA Standard on Training and Certification and the IALA Strategic Vision.   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines. | | |
| **Scope** | **In Scope:**   * Review Recommendation R0103 to provide an international framework for the training and certification of VTS personnel. * Review, update and transfer the existing Recommendation R0103 into a new Guideline to include the recruitment, education, training and certification of VTS personnel. * The content and structure of Model Courses V-103/1,2,3 and 4. * The implications of Model Course V-103/5 to the above elements.   **Out of scope:**   * The content and structure of Model Course V-103/5.   *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). |  | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X  X | | |
| **Committee notes** | **Origins** | Proposed during 2014-18 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  | 3 | T3.3.1a Rec and GL to Council for Approval |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | At VTS 47 prolonged to 49, 50 & 51 .With the significant restructure proposed at the last intersessional before VTS50, the review process for the model courses is now expected to continue into the next work term. The goal will be to complete V-103/1 review by VTS51, and commence on V-103/3 as a ‘partner’ to V-103/1 | |

# TASK 3.3.2 Review and Update Guideline 1017 on Assessment of Training Requirements for existing VTS Personnel, Candidate VTS Operators, Revalidation of VTS Operator Certificates

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Training and Certification | | |
| **Task** | Review and update G1017 on assessment of training requirements for existing VTS Personnel, Candidate VTS Operators, Revalidation of VTS Operator Certificates | | |
| **Objectives of the task** | * Ensure that G1017 is relevant and up to date taking into account of existing and future developments * To describe the process to assess prior learning, qualifications and previous experience of students or existing VTS personnel that should be taken into account when assessing the training requirements | | |
| **Expected outcome** | Revised Guideline | | |
| **Compelling need** | Timely to review existing G1017 as it was last revised in 2005 and to ensure harmonisation of G1017 with revised R0103 | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  (G1) Ensure that aids to navigation systems and related services, including e‐Navigation, Vessel Traffic Services, and emerging technologies, are harmonised through international cooperation and the provision of standards.  **Strategy**  (S2) Improve and harmonise the delivery of VTS globally and in a manner consistent with international conventions, legislative frameworks and public expectations | | |
| **Scope** | **In Scope:**   * Certification of existing and Candidate VTS Operator with IALA V-103 * Revalidation of VTS Operator Certificate (review relevance in view of R0103 (V-103/5)) * Evidence, assessment and recognition of prior learning   **Out of scope:**   * R0103 | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | * Compare revised R0103 with existing G1017 * Review process for the issue of an IALA V-103 VTS Operator Certificate for existing VTS personnel * Review subject areas, Recommended Competence levels and Recommended Prior Learning category for Candidate VTS Operator and re-validation after a break of five years or more * Review process to assess prior learning, qualifications and previous experience of students or existing VTS personnel that should be taken into account when assessing the training requirements | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X | | |
| **Committee notes** | **Origins** | Proposed during 2014-18 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
| 50 | 3 | Sec to note new title of GL 1017 Assessment of Training for VTS  T3.3.2 Guideline to Council for approval |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |

# TASK 3.3.3 Produce a VTS Training Manual to complement the V-103 and its model courses (Task Deleted)

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Training and Certification | | |
| **Task** | Produce a VTS Training Manual to complement the V-103 and its model courses | | |
| **Objectives of the task** | Will most probably not be completed  *(Describe the objective/s of the task)* | | |
| **Expected outcome** | VTS Training Manual  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**    **Strategy** | | |
| **Scope** | **In Scope:**  **Out of scope:**  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). |  | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51 | | |
| **Committee notes** | **Origins** | Proposed during 2014-18 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
| 47 |  | Council70 approved task deletion |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 3.4.1 Review and Update IALA Guideline 1014 on the Accreditation and Approval Process for VTS Training

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | VTS Training and Certification | | |
| **Task** | Review and update IALA Guideline 1014 on the Accreditation and Approval Process for VTS Training | | |
| **Objectives of the task** | * To review the role of IALA in facilitating and overseeing the accreditation and approval process of VTS training. * To split the existing IALA Guideline 1014 into a new Recommendation and an associated Guideline. * To provide guidance to Competent Authorities who may not have the technical capacity, resource or regulatory framework to conduct accreditation and approval of VTS training. * To provide guidance on the appointment of third parties (to include ‘IALA approved organisation(s)’ and ‘IALA approved Classification Societies (IALA-ACS)’) to conduct the accreditation and approval process of VTS training.   *(Describe the objective/s of the task)* | | |
| **Expected outcome** | Revised Recommendation and Guideline  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | * The role of the Competent Authority, IALA and third parties in the accreditation and approval process is unclear and open to interpretation. This can cause problems for IALA members seeking to operate VTS training organisations. * The changes in the IALA document structure, and progression towards a basis for mandatory training, also influence the requirement for a review to ensure all training and certification related documents are consistent and harmonised with the new IALA Standard on Training and Certification and the IALA Strategic Vision.   *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines. | | |
| **Scope** | **In Scope:**   * Review the existing IALA Guideline 1014 with a focus on the role of IALA and third parties in the accreditation and approval process. * Consider whether Model Course V-103/3 and the adaptation and updating elements of Model Course V-103/5 should be within the scope of this guideline.   **Out of scope:**   * Judgement/opinion on the identification of possible third parties that may be involved in the accreditation and approval process. * The general process described in IALA Guideline 1014 for the performance of the accreditation and approval process.   *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | * Obtain direction from IALA Council on the role of IALA in the accreditation and approval process. * Split the existing Guideline into a Recommendation and supporting Guideline. * Provide enhanced guidance to Competent Authorities with respect to third party organisations who may conduct or assist in the accreditation and approval process. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X  X | | |
| **Committee notes** | **Origins** | Proposed during 2014-18 Work Programme | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |

# TASK 3.5.1 Develop guidance on VTS Training for Deck Officers

| **VTS Committee Work Programme 2018-2022** | | | |
| --- | --- | --- | --- |
| **Standard** | Vessel Traffic Services | | |
| **Topic Area** | Training and Certification | | |
| **Task** | 3.5.1a Develop guidance on VTS training for deck officers  3.5.1b Develop Recommendation on Marine Aids to Navigation awareness for Mariners | | |
| **Objectives of the task** | Develop a Guideline on VTS Awareness for Navigating Officers suitable for use by a range of bodies including National Competent Authorities, STCW Training Organisations and shipping owners/organisations.  The Guideline should be prepared with a view to influencing further revisions of the STCW Code.  *(Describe the objective/s of the task)* | | |
| **Expected outcome** | Guideline  *(Describe the expected outcome: e.g. Recommendation, Guideline or Other)* | | |
| **Compelling need** | There is currently minimal guidance available for navigating officers with respect to VTS knowledge and understanding as it is not covered to any great extent in the current STCW courses.  *(Describe briefly why this task should be included in the Work Programme)* | | |
| **Strategic Alignment**  *(See IALA Strategic Vision)* | **Goal**  G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  **Strategy**  S1 - Develop standards suitable for direct citation by States, in areas deemed important by the General Assembly, and the related Recommendations and Guidelines. | | |
| **Scope** | **In Scope:** Support existing requirements in STCW for training on VTS for deck officer.  **Out of scope:** Any proposed changes to STCW  *(Describe key items that are in scope/out of scope)* | | |
| **Brief and concise description of the work to be undertaken and programme mile­stones** (where appropriate). | Review references to VTS in STCW  Develop guidance that can be used by maritime training organisations to address the VTS references in STCW  Work with maritime training organisations / pilot organisations as appropriate to ensure relevancy of content. | | |
| **Expected numbers of sessions for completion** | Session number:  45 46 47 48 49 50 51  X  X  X  X | | |
| **Committee notes** | **Origins** | * Carried over from 2014-18 Work programme * Task was not commenced during 2014-18 Work programme. | |
|  | **Agreed by session** | **TD#** | **Comments** |
| 47 |  | To Council to note task name change nd for approval  3.5.1 Rec to Council for approval |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** | At VTS 46 task prolonged to VTS47 | |

