**VTS Committee Task Plan 2018 – 2023 (Rev. 2022-03-14)**

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| **Standard** | **Scope** | **No.** | **Task** | **Status** | **45** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **Coop**  **WG** |
|  |  |  | **WG#1 – Operations** |  |  |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Implementation | 1.1.1 | Revision of IMO Resolution A.857(20) Guidelines for Vessel Traffic Services | Submitted to NCSR7, IMO Res. A.1158(32) adopted at IMO Assembly 32 (Dec 2021) | X | X | X |  |  |  |  |  |  | 2,3 |
| 1.1.1.1 | Update Guideline 1089 to be in line with revised IMO Resolution on Vessel Traffic Services post adoption. | Approved at C72, published in Jan 2022 (pending adoption of IMO Res. A.1158(32) (Dec-21)). |  | X | X | ~~X~~ | X |  |  |  |  | 2,3 |
| 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. | Package 1 approved at C74. |  | X | X | ~~X~~ | X | X | X | X | X | 2,3 |
| 1.1.1.3 | Review and update Rec V-120 to be a GL on VTS in Inland Waters (under R0119) | G1166 approved at C74 |  |  |  |  |  | X | X |  |  | 2,3 |
| Vessel Traffic Services | VTS Implementation | 1.1.0 | Consider relevant VTS documents to be revised/updated next WP |  |  |  |  |  |  |  |  | X | X |  |
| Vessel Traffic Services | VTS Implementation | 1.1.2 | Review and update V-119 on the Implemen­tation of Vessel Traffic Services (R0119) (Output to be a revised Rec and associated Guideline on the Establishment of VTS) | R0119 and G1150 approved at C72 |  |  | X | ~~X~~ | X |  |  |  |  | 2,3,  WWA |
| Vessel Traffic Service | VTS Implementation | 1.1.3 | Develop guideline on competencies for planning and implementing a VTS | G1160 approved at C73 |  |  |  | ~~X~~ | X | X |  |  |  | 3  WWA |
| Vessel Traffic Services | VTS Implementation | 1.1.4 | Develop a Guideline on the Provision of Local Port Services (LPS) other than VTS | G1142 approved at C68 | X |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Operations | 1.2.1 | Review and update V-127 on Operational Procedures for Vessel Traffic Services (Output to be a revised Rec and associated Guideline G1141 on Operational Procedures for VTS) | R0127 approved at C68 and G1141 approved at C73 | X | X | X | ~~X~~ | X | X |  |  |  |  |
| Vessel Traffic Services | VTS Operations | 1.2.2 | Update Guideline 1110 on Decision Support Tools for VTS Personnel (take into account emerging concepts and technologies) | G1110 approved at C74 |  |  |  |  | X | X | X |  |  | 2,3 |
| Vessel Traffic Services | VTS Operations | 1.2.3 | Develop a Guideline for Promulgating the Requirements of a VTS to Mariners – A VTS Users Guide Template | G1144 approved at C69 | X | X |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Operations | 1.2.4 | 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) | Merged with task 1.2.7  Await outcomes on MS from other parties.Continue in next WP??? | X | X | X | ~~X~~ | X | X | X | X | X | 2 and ARM (lead) |
| Vessel Traffic Services | VTS Operations | 1.2.5 | Develop a Guideline on the implications of maritime autonomous surface ships (MASS) from a VTS perspective |  |  |  |  |  |  | X | X | X | X | 2,3 |
| 1.2.5.1 | To assess the implications associated with the advent of MASS on IALA Standards specifically related to the establishment and operation of VTS (scoping exercise) | C74 noted new task.  Continue in next WP |  |  |  |  |  |  | X | X | X | 2,3 |
| Vessel Traffic Services | VTS Operations | 1.2.6 | Develop a Guideline on how to develop a safety culture in VTS |  |  |  |  |  |  | X | X | X | X | 3 |
| Vessel Traffic Services | VTS Operations | ~~1.2.7~~ | ~~Develop Guideline on the development and implementation of VTS related MSP’s other than MSP 1, 2 and 3~~ | Council 70 approved to merge with task 1.2.4 and delete task 1.2.7. |  |  | ~~X~~ | ~~X~~ | ~~X~~ |  |  |  |  | ~~2~~ |
| Vessel Traffic Services | VTS Operations | 1.2.8 | Develop a IALA Reference List on IALA Documentation Relating to VTS | Update ongoing task by Sec. | X | X | X |  | X |  |  | ? | ? | 2,3 |
| Vessel Traffic Services | VTS Operations | 1.2.9 | Revise R0125 and split into a Rec + GL. Relevant parts of R1014 (Portrayal of VTS Information and Data) to be incorporated into R0125.  [Draft new guidance on Portrayal and Presentation of VTS Symbology, Information and Data. To incorporate/amalgamate relevant parts of the revised R125 and consider merging with GL from task 2.1.1.] | New proposed way forward by Chair and Vice-Chair |  |  |  |  |  |  |  |  |  | 2 |
| Vessel Traffic Services | VTS Communications | 1.3.1 | Update the Guideline G1132 on VTS Voice Communication, including VTS standard Phrases/Phraseology (with WG3) | Approved at C73 | X | X | X | ~~X~~ | X | X |  |  |  | 3 |
| Vessel Traffic Services | VTS Communications | 1.3.2 | Develop guidance on VTS Digital communications (operational aspects ) | To Council 75 to note title change. |  |  |  |  |  |  | X | X | X | ARM, ENAV |
| Vessel Traffic Services | VTS Communications | 1.3.3 | Revision of IMO Resolution A.918(22) IMO Standard Marine Communication Phrases | C74 noted new task.  Continue next WP. |  |  |  |  |  |  |  | X | X | 3 |
| Vessel Traffic Services | VTS Communications | 1.3.4 | Revision of IMO Resolution A.954(23) Proper use of VHF channels at sea | C74 noted new task.  Continue next WP. |  |  |  |  |  |  |  | X | X | 3 |
| Vessel Traffic Services | N/A | 1.4.1 | Continuous update of the VTS Manual | Ongoing task |  | X | X | ~~X~~ | X | X | X | X | ~~X~~ | 1,2,3 |
| Vessel Traffic Services | N/A | 1.4.2 | Conduct of the Global VTS Questionnaire | On hold, pending data base management | X | X | X | ~~X~~ | - | - | - | ? | ? | 2,3 |
| Vessel Traffic Services | N/A | 1.4.3 | Prepare a “living document” on “Future VTS”, including emerging technologies and human element. | Ongoing task  Continue next WP? |  |  |  |  | ~~X~~ | X | X | X | X | 2,3 & MASS TF |
| Vessel Traffic Services | N/A | 1.4.4 | ~~Produce a Guideline on preparing for Zero Accident Campaign~~ | No IMO response.  Task discontinued |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | **WG#2 – Technology** |  |  |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Data and Information Management | 2.1.1 | Develop a Guideline on the portrayal of VTS information and data (both operational and technical aspects) (with WG1) | See comment at task 1.2.9 | X | X | X | ~~X~~ | X | X | X | X |  | 1,3 |
| Digital Communi-cation Tech­no­logies | Harmonized maritime connectivity | 2.1.2 | Develop a Recommendation and Guideline on Cyber-Security in AtoN operations (lead by ARM, all Committees via Workshop) | Consider results from workshop on cyber security in Nov.2021 |  |  |  |  |  |  |  | X | X | 1,3 |
| Vessel Traffic Services | VTS Technologies | 2.2.0 | Consider relevant VTS documents to be revised/updated next WP |  |  |  |  |  |  |  |  | X | X |  |
| Vessel Traffic Services | VTS Technologies | 2.2.1 | Review and update Guideline 1111 on Preparation of Operational and Technical Performance Requirements for VTS Systems | Together with task 2.2.2 |  |  |  |  |  |  |  | X |  | 1 |
| Vessel Traffic Services | VTS Technologies | 2.2.2 | Review and update Guideline 1111 on Preparation of Operational and Technical Performance Requirements for VTS Systems | Split into one general GL and nine specific GL. Continue next WP | X | X | X | ~~X~~ | X | X | X | X |  | 1 |
| 2.2.2.a | G1111 Establishing Functional & Performance Requirements for VTS Systems |  | X | X | X | ~~X~~ | X | X | X | X |  |  |
| 2.2.2.b | G1111-1 Producing Requirements for the Core VTS System |  | X | X | X | ~~X~~ | X | X | X | X |  |  |
| 2.2.2.c | G1111-2 Producing Requirements for Voice Communications |  |  |  |  |  |  |  | X | X |  |  |
| 2.2.2.d | G1111-3 Producing Requirements for RADAR |  | X | X | X | ~~X~~ | X | X | X | X |  |  |
| 2.2.2.e | G1111-4 Producing Requirements for AIS and VDES |  |  |  |  |  |  |  | X | X |  |  |
| 2.2.2.f | G1111-5 Producing Requirements for Environment Monitoring Systems |  |  |  |  |  |  |  | X | X |  |  |
| 2.2.2.g | G1111-6 Producing Requirements for Electro Optical Systems |  |  |  |  |  |  |  | X | X |  |  |
| 2.2.2.h | G1111-7 Producing Requirements for Radio Direction Finders |  |  |  |  |  |  |  | X | X |  |  |
| 2.2.2.i | G1111-8 Producing Requirements for Long Range Sensors |  |  |  |  |  |  |  | X | X |  |  |
| 2.2.2.j | G1111-9 Framework for Acceptance of VTS Systems |  | X | X | X | ~~X~~ | X | X | X | X |  |  |
| Vessel Traffic Services | VTS Technologies | 2.2.3 | ~~Develop a Guideline on Acceptance of VTS systems~~ | One specific GL under G1111.  Merged with task 2.2.2 | ~~X~~ | ~~X~~ |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Additional Services | 2.7.1 | Update G1130 (Technical aspects of information exchange between VTS and allied or other services) to include cyber-security considerations | C74 noted new task. |  |  |  |  |  |  |  | X | X |  |
| Information services | Data models and data encoding | 2.3.1 | Develop a Product Specification S-212 under the S-100 framework for VTS |  | X | X | X | ~~X~~ | X | X | X | X | X | 1 |
| Information services | Data models and data encoding | 2.3.2 | Review and update Recommendation R0145 (V-145) on the Inter-VTS Exchange Format (IVEF) Service (Output to be a revised Recommendation and associated Guideline including a product specification S-210) |  |  |  |  |  |  | X | X | X | X |  |
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|  |  |  | **WG#3 –Training** |  |  |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Implementation | 3.1.1 | Develop a Guideline on human factors [and ergonomics] in VTS |  |  | X | X | ~~X~~ | X | X | X | X |  | 1,2 |
| Vessel Traffic Services | VTS Operations | 3.2.1 | Develop a Guideline on the management of a VTS | G1167 approved at C74 | X | X | X | ~~X~~ | X | X | X |  |  | 1 |
| Vessel Traffic Services | VTS Operations | 3.2.2 | Review, update and reformat Guideline 1045 on staffing level at VTS centres. | Completed at VTS45 | X |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | | VTS Operations | 3.2.3 | Review, update and reformat Guideline 1045 on Staffing Level at VTS centres | To Council 75 to note new task from Jillian? (See task 3.2.2) |  |  |  |  |  |  |  |  | X | 1 |
| Training and Certifi­cation | Training and Assessment | 3.3.0 | Consider relevant VTS documents to be revised/updated next WP |  |  |  |  |  |  |  |  | X | X |  |
| Training and Certifi­cation | Training and Assessment | 3.3.1.a | Review and split R0103 (V-103) to a Recommendation and a Guideline on Recruitment, Training and Certification of VTS Personnel | Both R0103 and G1156 approved at C72 | X | X | X | ~~X~~ | X |  |  |  |  |  |
| Training and Certifi­cation | Training and Assessment | 3.3.1.b | Review / update Model Course C103/1 – VTS Operator |  | X | X | X | ~~X~~ | X | X | X | X |  | WWA |
| 3.3.1.c | Review / update Model Course C103/2 – VTS Supervisor |  |  |  |  |  |  |  |  | X |  | WWA |
| 3.3.1.d | Review / update Model Course 103/3 |  |  |  |  |  |  |  | X | X | X | WWA |
| 3.3.1.e | Review / update Model Course 103/4 |  |  |  |  |  |  |  |  |  | X | WWA |
| 3.3.1.f | Review / update Model Course 103/5 |  |  |  |  |  |  |  |  |  | X | WWA |
| Training and Certifi­cation | Training and Assessment | 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 New Title: G1017 Assessment for Recognition of Prior Learning in VTS Training | G1017 approved at C73 |  |  | X | ~~X~~ | X | X |  |  |  |  |
| Training and Certifi­cation | Training and Assessment | 3.3.3 | ~~Produce a VTS Training Manual to complement the V‐103 and its model courses~~ | Task deletion approved at C70 |  |  |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |  |  |  |
| Training and Certifi­cation | Competency, certification and revalidation | 3.4.1 | Review and update Guideline 1014 on Accreditation of VTS Training Organizations and Approval to Deliver IALA VTS Model Courses | G1014 approved at C74 |  |  |  | ~~X~~ | X | X | X |  |  | WWA |
| Vessel Traffic Services | VTS Additional Services | 3.5.1.a | Develop guidance on VTS training for deck officers | G1149 approved at C70 | X | X | X |  |  |  |  |  |  |  |
| AtoN Planning and Service Require­ment | Obligations and regulatory compliance | 3.5.1.b | Develop Recommendation on Marine Aids to Navigation awareness for Mariners | R1021 approved at C72 |  |  | X | ~~X~~ | X |  |  |  |  | ARM |

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| **Symposia, Workshops & Seminars for 2018-2023 work period** | **Date** | **Place** | **Lead / Target Group** |
| Workshop on Initial Operational Capability (IOC) Phase of E-Navigation Services | 08-10 April 2019 | Singapore | ENAV lead |
| IALA Seminar on the Revision of the IMO Resolution for Vessel Traffic Services | 24-28 June 2019 | IALA HQ, France | VTS lead / All |
| IALA Symposium (VTS and ENAV) | 12-16 April 2021 | Virtual | VTS, ENAV / All |
| Joint workshop on Marine Aids to Navigation in the autonomous world | 24-28 May 2021 | Virtual | ENAV lead / All |
| Joint IALA workshop on Cyber security in Marine AtoN operations | 12/15-19 November 2021 | Virtual | ARM lead /All |
| Joint IHO and IALA Workshop on S-100 and S-200 Development and Portrayal | 5-9 September 2022 | Norway | ARM lead |
| Joint workshop between VTS and ARM Committee on MSs and/or digital services |  |  | ARM lead / VTS, ENAV |
| Joint workshop on sustainability in Marine AtoN provision | November 2023 | IALA HQ, France | ENG lead / All |

Legend:

Blank: Ongoing task

Light orange: To Council to note or to approve

Light grey: Task completed or deleted