**VTS Committee Task Plan 2018 – 2023 Rev.6 (2021-09-20)**

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| **Standard**  | **Topic Area** | **Task** | **Status** | **45** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **Coop****WG** |
|  |  | **WG#1 – Operations** |  |  |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Implementation | * + 1. Revision of IMO Resolution A.857(20) Guidelines for Vessel Traffic Services
 | Revision of resolution completed.  | X | X | X |  |  |  |  |  |  | 2,3 |
| * + - 1. Update Guideline 1089 to be in line with revised IMO Resolution on Vessel Traffic Services post adoption.
 | Provisional approval at C72 Enforcement pending approval of IMO Resolution  |  | X | X | ~~X~~ | X |  |  |  |  | 2,3 |
| * + - 1. Update documents that require changes to incorporate the new terminology post adoption of the revised IMO Resolution on Vessel Traffic Services.
 | Preparations of IALA documents ongoing. |  | X | X | ~~X~~ | X | X | X |  |  | 2,3 |
| * + - 1. Review and update Rec V-120 to be a GL (under R0119)
 | Ongoing task  |  |  |  |  |  | X | X |  |  | 2,3 |
| 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 Recommendation and associated Guideline 1050 on the Establishment of VTS) |  Approval of R0119 and G1150 at C72. |  |  | X | ~~X~~ | X |  |  |  |  | 2,3, WWA (task 1.1.3) |
| Vessel Traffic Service | VTS Implementation | 1.1.3 Develop guideline G1160 Competencies for Planning and Implementing | Approved at C73 |  |  |  | ~~X~~ | X | X |  |  |  | 3WWA |
| Vessel Traffic Services | VTS Implementation | 1.1.4 Develop a Guideline G1142 on the Provision of Local Port Services (LPS) other than VTS | Completed at VTS45 | 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 Recommendation R0127 and associated Guideline G1141 on Operational Procedures for VTS) | 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) | Review following C73 decision |  |  |  |  | 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 | Completed at VTS46 | 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 1.2.7Await outcomes on MS from other partiesOngoing task | 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 | Ongoing task |  |  |  |  |  | X | X | X |  | 2,3, and MASS TF |
| Vessel Traffic Services  | VTS Operations | 1.2.6 Develop a Guideline on how to develop a safety culture in VTS | Ongoing task |  |  |  |  |  | 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 | Ongoing task by Sec. | X |  |  |  |  |  |  |  |  | 2,3 |
| 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 a Recommendation on Digital information transfer between ship and shore in VTS operations (operational aspects) | Commence at VTS51 |  |  |  |  |  |  | X | X |  | ARM, ENAV |
| Vessel Traffic Services | N/A | 1.4.1 Continuous update of VTS Manual  |  Ongoing task |  | X | X | ~~X~~ | X | X | X | X | X | 1,2,3 |
| Vessel Traffic Services | N/A | 1.4.2 Develop procedures for the ongoing management and conduct of the Global VTS Questionnaire | On hold, pending data base management | X | X | X | ~~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 |  |  |  |  | ~~X~~ | X | X | X |  | 2,3 and 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) | Include relevant issues from both V-125 and G1105 | X | X | X | ~~X~~ | X | X | X |  |  | 1,3  |
| Digital Communi-cation techno-logies | Harmonized connectivity | 2.1.2 Develop a Recommendation and Guideline on Cyber-Security in AtoN operations (lead by ARM, all Committees via Workshop)  | Waiting for workshop on cyber security in Nov.2021 |  |  | X | ~~X~~ | ~~X~~ | X |  | X |  | 1,3 |
| Vessel Traffic Services | VTS Technologies | 2.2.1 Review and update Recommendation V-128 on Operational and Technical Performance of VTS Systems  | Together with task 2.2.2Ongoing task |  |  |  | ~~X~~ | X | X | 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. Ongoing task | X | X | X | X | X | X | X | X | X |  1 |
| 2.2.1.a G1111 Establishing Functional & Performance Requirements for VTS Systems | Ongoing task | X | X | X | X | X | X | X |  |  |  |
| 2.2.1.b G1111-1 Producing Requirements for the Core VTS System | Ongoing task | X | X | X | X | X | X | X |  |  |  |
| 2.2.1.c G1111-2 Producing Requirements for Voice Communications |  |  |  |  |  |  |  |  |  |  |  |
| 2.2.1.d G1111-3 Producing Requirements for RADAR | Ongoing task | X | X | X | X | X | X | X |  |  |  |
| 2.2.1.e G1111-4 Producing Requirements for AIS and VDES |  |  |  |  |  |  |  |  |  |  |  |
| 2.2.1.f G1111-5 Producing Requirements for Environment Monitoring Systems |  |  |  |  |  |  |  |  |  |  |  |
| 2.2.1.g G1111-6 Producing Requirements for Electro Optical Systems |  |  |  |  |  |  |  |  |  |  |  |
| 2.2.1.h G1111-7 Producing Requirements for Radio Direction Finders |  |  |  |  |  |  |  |  |  |  |  |
| 2.2.1.i G1111-8 Producing Requirements for Long Range Sensors |  |  |  |  |  |  |  |  |  |  |  |
| 2.2.1.j G1111-9 Framework for Acceptance of VTS Systems | Ongoing task | X | X | X | X | X | X | X |  |  |  |
| Vessel Traffic Services | VTS Technologies | ~~2.2.3 Develop a Guideline on Acceptance of VTS systems~~ | Merged with Task 2.2.2 one specific GL under G1111  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |  |  |  |
| Information services | Data models and data encoding | 2.3.1 Develop a Product Specification under the S-100 framework for VTS | Ongoing task | 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) | Ongoing task |  |  |  | ~~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 |  Ongoing task |  | 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  |  Ongoing task | 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 |  |  |  |  |  |  |  |  |  |
| Training and Certification | Training and Assessment | 3.3.1a Review and split R0103 (V-103) to a Recommendation and Guideline  | Both completed at VTS49, approval at C72 | X | X | X | ~~X~~ | X |  |  |  |  |  |
| Training and Certifi-cation | Training and Assessment | 3.3.1b Review / update Model Course 103/1 – VTS Operator |  Ongoing task | X | X | X | ~~X~~ | X | X | X | X |  | WWA |
| Training and Certifi-cation | Training and Assessment | 3.3.1c Review / update Model Course 103/2 – VTS Supervisor | Commence at VTS51 |  |  |  |  |  |  | X | X |  | WWA |
| Training and Certifi-cation | Training and Assessment | 3.3.1d Review / update Model Course 103/3  | Commence at VTS51 |  |  |  |  |  |  | X | X |  | WWA |
| Training and Certifi-cation | Training and Assessment | 3.3.1e Review / update Model Course 103/4 | Commence at VTS51 |  |  |  |  |  |  | X | X |  | WWA |
| Training and Certifi-cation | Training and Assessment | 3.3.1f Review / update Model Course 103/5 | Commence at VTS51 |  |  |  |  |  |  | X | X |  | WWA |
| Training and Certifi-cation | 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 | Approved at C73 |  |  | X | ~~X~~ | X | X |  |  |  |  |
| Training and Certifi-cation | Training and Assessment | ~~3.3.3 Produce a VTS Training Manual to complement the V‐103 and its model courses~~ | C70 approved task deletion |  |  |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |  |  |  |
| Training and Certifi-cation | Competency, certification and revalidation | 3.4.1 Review and update Guideline 1014 on the Accreditation and Approval Process for VTS Training  | Ongoing work |  |  |  | ~~X~~ | X | X | X |  |  | WWA |
| Vessel Traffic Services | N/A | 3.5.1a Develop guidance on VTS training for deck officers | Completed at VTS47 | X | X | X |  |  |  |  |  |  |  |
| 3.5.1b Develop Recommendation on Marine Aids to Navigation awareness for Mariners  | Completed at VTS49Approved at C72 |  |  | X | ~~X~~ | X |  |  |  |  |  |

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| **Symposia, Workshops & Seminars for 2018-2022 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 |
| IALA workshop on ERSP Standardization | 29 Nov/02 December 2021 | Virtual | ENG lead |
| Joint IHO and IALA Workshop on S-100 and S-200 Development and Portrayal | June 2022 | Norway | ARM lead |
| Joint workshop between VTS and ARM Committee on MSs and/or digital services |  |  | ARM lead / VTS, ENAV |

Legend:

Blank: Task completed

Light brown: Ongoing task

Light grew: For approval to Council