**Preliminary VTS Committee Work Programme 2018 – 2022 (Task list)**

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| **Standard** | **Topic Area** | **Task** | **Status** | **Strategy/**  **Priority** | **45** | **46** | **47** | **48** | **49** | **50** | **51** |
|  |  | **WG#1 – Operations** |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Implementation | 1.1.1 Revision of IMO Resolution A.857(20) Guidelines for Vessel Traffic Services | Ongoing |  | X | 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 Recommendation and associated Guideline) |  |  |  |  |  | X | X | X | X |
| Vessel Traffic Service | VTS Implementation | 1.1.3 Develop Model Course on planning, implementing, operating and managing VTS in developing countries |  |  |  |  |  | X | X |  |  |
| Vessel Traffic Services | VTS Implementation | 1.1.4 Develop Guideline on the Provision of local services (previously described as Local Port Services - LPS) |  |  | 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 and associated Guideline) |  |  |  |  |  |  | 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) |  |  |  |  |  |  | X | X |  |
| 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 |  |  | X | X |  |  |  |  |  |
| Vessel Traffic Services | VTS Operations | 1.2.4 Develop Guideline on Maritime Service Portfolios for VTS | Ongoing |  | X | X | X |  |  |  |  |
| 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 |  |
| Vessel Traffic Services | VTS Operations | 1.2.6 Develop Guideline on how to develop a safety culture in VTS |  |  |  |  | X | X | X |  |  |
| 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 |  |  |  | X | X | X |  |  |  |
| Vessel Traffic Services | VTS Operations | 1.2.8 Preparation of Guidance on IALA Standards, Recommendations and Guidelines Relating to VTS - A Reference List |  |  | X |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Communications | 1.3.1 Develop Guideline on VTS Communications, Phrases/Phraseology (with WG3) |  |  | X | X | X |  |  |  |  |
| Vessel Traffic Services | VTS Communications | 1.3.2 Develop Recommendation on Digital information transfer between ship and shore in VTS operations (Operational aspects) |  |  |  | X | X | X |  |  |  |
| Vessel Traffic Services | N/A | 1.4.1 Update and publish the VTS Manual and develop related procedures for its future management |  |  | X | X | X | X |  |  |  |
| Vessel Traffic Services | N/A | 1.4.2 Develop procedures for the ongoing management and conduct of the Global VTS Questionnaire |  |  | X | X |  |  |  |  |  |
| Vessel Traffic Services | N/A | 1.4.3 Prepare a “living document” on “Future VTS”, including emerging technologies and human element. |  |  |  |  |  |  | X | X | X |
| Vessel Traffic Services | N/A | 1.4.4 Produce a Guideline on preparing for Zero Accident Campaign |  |  |  |  |  |  |  |  |  |

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|  |  | **WG#2 – Technology** |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Data and Information Management | 2.1.1 Develop Guideline on the portrayal of VTS information and data (both operational and technical aspects) (with WG1) |  |  | X | X | X | X |  |  |  |
| Vessel Traffic Services | VTS Data and Information Management | 2.1.2 Develop Recommendation on Cyber-Security (lead ENG, all Committees via Workshop) |  |  |  |  | X | X | X | X |  |
| Vessel Traffic Services | VTS Technology | 2.2.1 Review and update Recommendation V-128 on Operational and Technical Performance of VTS Systems |  |  |  |  |  | X | X | X | X |
| Vessel Traffic Services | VTS Technology | 2.2.2 Review and update Guideline 1111 on Preparation of Operational and Technical Performance Requirements for VTS Systems |  |  | X | X | X | X |  |  |  |
| Vessel Traffic Services | VTS Technology | 2.2.3 Develop Guideline on the technical acceptance of a VTS system | Ongoing |  | X | X |  |  |  |  |  |
| Information services | Data models and data encoding | 2.3.1 Develop a data model for digital information services for VTS (e.g. route exchange) |  |  | X | X | X |  |  |  |  |
| Information Services | Data models and data encoding | 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) |  |  |  |  |  | X | X | X | X |

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|  |  | **WG#3 –Training** |  |  |  |  |  |  |  |  |  |
| Vessel Traffic Services | VTS Implementation | 3.1.1 Develop Guideline on human factors [and ergonomics] in VTS | Ongoing |  | X | X |  |  |  |  |  |
| Vessel Traffic Services | VTS Operations | 3.2.1 Develop Guideline on the management of a VTS |  |  | X | X | X |  |  |  |  |
| Vessel Traffic Services | VTS Operations | 3.2.2 Review, update and reformat Guideline 1045 on staffing level at VTS centres. |  |  |  |  |  |  |  | X | X |
| Training and Certification | Training and Assessment | 3.3.1 Review and update V-103 on the Standards for Training and Certification of VTS Personnel and its associated Model Courses. |  |  | X | X | X |  |  |  |  |
| 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 |  |  |  |  | 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 | Ongoing |  | X | X | X | X |  |  |  |
| Training and Certification | Competency, certification and revalidation | 3.4.1 Review and update Guideline 1014 on the Accreditation and Approval Process for VTS Training |  |  |  |  |  | X | X | X | X |
| Training and Certification | N/A | 3.5.1 Develop guidance on VTS awareness for navigating officers | Ongoing |  | X | X |  |  |  |  |  |

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| **Symposia, Workshops & Seminars for 2018-2022 work period** | **Date** | **Place** |  |
| IALA Symposium (VTS and ENAV) | 25-29 May 2020 | Rotterdam, the Netherlands | All, ENAV |
| Workshop on Harmonising the Delivery of VTS Communications | 18-22 Feb 2019 | Republic of Korea | WG1&3 |
| International workshop on the revision of IMO Res. A.857(20) | Mid 2019 | IALA HQ | All |
| Joint seminar with WWA on VTS training, accreditation and approval process. |  |  | WG3, WWA |
| Joint workshop between VTS and ARM Committee on MSP and/or digital services |  |  | WG1, ARM |
| Joint workshop on Data modelling between ENAV and VTS |  |  | WG2, ENAV |
| Joint IALA workshop on Cyber security in Marine AtoN operations |  |  | All, ENG |