

Please provide any comment by 28 March.

**Report of the 36th Session of the IALA VTS Committee**

**11 – 15 March 2013**

***Executive Summary***

* 78 members, a record number, from 28 countries, participated in VTS36; 13 for the first time;
* There was one observer from Morocco;
* The Committee considered 44 input papers and produced 7 output papers;
* Draft documents submitted for Council approval:
  + Draft revised Recommendation V-120 on VTS in Inland Waters (item 8.4);
* Information papers for Council:
  + Draft submission to IMO new unplanned output (A.857(20)) (item 8.2).
* Liaison notes were produced to:
  + ANM20 (item 8.16);
  + e-NAV13 (item 9.5).
* The need to further liaise between the Operational and Technical Working Groups has resulted in a delay in completing the draft revised Recommendation V-128 on Operational and Technical Performance Requirements for VTS Equipment until VTS37 (item 9.2);
* A general overview of the IMO’s Zero Accident campaign was provided (item 6.2 & 8.17);
* This was a fast paced meeting, in which much work was done to ensure completion of Tasks at VTS37;
* Inter-sessional work is planned but none is ‘face to face’;
* The brochure for the VTS Simulation Training seminar was completed;
* Four VTS experts were registered with the WWA during the meeting (item 6.1);
* Changes were proposed to the Committee’s Work Programme (VTS36/output/2).

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| VTS Committee  36th Session | 15 March, 2013 |

Report of the 36th Session of the IALA VTS Committee

# General

The 36th meeting of the **VTS Committee** was held from 11 – 15 March 2013 at IALA, with Tuncay Çehreli as Chair and Neil Trainor as Vice Chair. The Secretary for the meeting was Mike Hadley.

Seventy eight members from twenty eight countries participated in VTS36; 13 for the first time, with one observer.

Apologies were received from:

|  |  |  |
| --- | --- | --- |
| **NAME** | **ORGANIZATION** | **COUNTRY** |
| William Burns | USCG | USA |
| Thomas Crane | USCG | USA |
| Reinhard Ecklord | USCG | USA |
| Francesco Frau | Selex-Sisteme | Italy |
| Philip Giertz | Federal Waterways | Germany |
| Kevin Gregory | IHMA |  |
| Karl Otto | SAMSA | South Africa |
| Alfonso Ruiz de Lobera | SASEMAR | Spain |
| Paul Townsend | MCA | UK |
| Palka Wojciech | Maritime Office Gdynia | Poland |

The Chairman opened the meeting by welcoming all participants to VTS36, particularly those attending for the first time and those returning after absence. He said that that it was good to be back at IALA, although the change of venue to Istanbul for VTS35 had been a success on a number of levels. The Chairman went on to say that VTS36 was an important one as there was much to do with only one further session in this Work programme.

The Chairman then introduced Mike Card, Deputy Secretary-General of IALA, who, having introduced himself, said that, the role of IALA is primarily one of harmonisation, which is of special significance to the VTS Committee, although it may be that, in future, IALA may be responsible for issuing some standards. Mention was then made of a regional VTS forum, based in Singapore and sponsored by the IMO Technical Co-operation Division, in which the WWA had been asked to play a role. It was pointed oyt that being almost at the end of a Work Programme meant that preparations for the next needed to be finalised and the Committee was encouraged to ensure that the VTS plan was progressed as much as possible. The Deputy Secretary-General acknowledged the voluntary nature of the work undertaken by the Committee and thanked the members for their contributions before wishing everyone a successful week.

The Chairman then said that the Secretary General was expected to return to IALA on Wednesday.

## Administrative announcements

The Secretary gave a safety and administration brief, for which he was thanked by the Chairman

## Approval of the agenda

The agenda was reviewed and adopted (VTS36/1 rev3).

# Review of action items from VTS35

Input paper VTS36/2 rev1 refers.

## Action items – IALA Secretariat

It was noted that all Secretariat actions were complete. The Secretary noted that there should have been an additional action to forward VTS36/output/2 (Draft Strategy Paper) back to the Committee after it had been considered by the Council (Action 11).

## Action items – VTS Committee Members

The action items for Committee members were then reviewed. By their timing many actions had to be considered complete but the level of requested inputs was disappointing and it was hoped that members had brought their contributions with them. In this respect, the Chairman highlighted action 27(*VTS Committee members are requested to submit example audit checklists used by authorities to assess VTS centres as input papers to VTS36*.) and action 28 (*The VTS Committee is requested to review VTS35/output/2 and provide further input to VTS36*.).

# Review of input papers

The list of input papers (VTS36/3 rev6) was reviewed, in the context of Tasks and Working Groups, and their disposition for consideration and / or action agreed.

The Chairman thanked all those who had contributed to the input papers.

# Reports from other bodies

## Report of Council 54

Paper VTS36/21 refers. The Chairman drew attention to the:

* comments about decision on voyage planning at MSC91;
* reaction to the draft Strategy Paper;
* support requested of Council members about support for an unplanned output and the current lack of reaction;
* need for the Committee to draft a paper abut a new work item dealing with the update of IMO Resolution A.857(20);
* comments regarding SMCP;
* approval of the VTS Simulation Workshop;
* approval of the Guideline of VTS Types of Service;
* assumption of IALA representation at IMO by the Deputy Secretary-General;
* approval of the changes to the Work Programme
* comments about the 2016 Symposium, which then sparked a short discussion.

## PAP24

Paper VTS36/23 refers. The Chairman drew attention to the:

* comments made about the VTS Committee;
* need to provide ANM with VTS questions for the 2014 – 2018 Annual Questionnaire;
* Committee / Sub-Committee reforms being discussed at IMO;
* need for a document review process.

In conclusion, the Chairman suggested that Committee members join and make use of IALA LinkedIn and said that the editor of the IALA Bulletin is on the lookout for high definition photographs that can be used in future editions and has requested that he be informed if there are any items that the Bulletin is not covering that members think that it should.

Action items

Members are requested to provide copyright free, high definition photographs for use in the IALA Bulletin.

Members are requested to inform the editor of the IALA Bulletin ([paul.ridgway@iala-aism.or](mailto:paul.ridgway@iala-aism.or)g) if they can suggest topics that are not currently covered.

## MSC91

Paper VTS36/24 refers.

The Chairman drew attention to the:

* future development of specific requirements for voyage planning for passenger ships;
* continuation of the preparation of the Mandatory IMO Audit Scheme;
* final adoption of resolution MSC.347(91) containing the ‘Recommendation for the protection of the AIS VHF data link’;
* adoption of safety of navigation as one of the four priorities for the IMO Technical Co-operation Programme for 2014.

It was also noted that the IEC has asked IALA to consider taking custody of two AIS standards, which, if they were accepted, would mean that IALA would begin issuing international standards for the first time.

# Reports from rapporteurs

## Developments in e-learning, IALA World-Wide Academy (Task M1\*)

This item was deferred until a representative of the WWA was available later in the week (see item 6.1).

## Use and impact of risk and decision making tools (Task M2\*)

Paper VTS36/38 refers.

The Chairman expressed his thanks to Kerrie Abercrombie for her input.

## Liaison with e-NAV Committee (Task M3\*)

Pieter Paap said that he had been unable to provide a pre-meeting written report but that one would be available for inclusion in the report. However, he noted that the e-NAV Committee, encouraged by the Chairman of the IMO e-Navigation Correspondence group, are in the process of developing a description for Maritime Service Portfolios. The stated indication by IMO that it would focus on ship matters and that IALA would be responsible for shore matters was mentioned but there seemed some indecision about the interface between the two. The necessary participation by members of both the VTS and e-NAV Committees at the forthcoming VTS Portrayal Workshop was agreed.

Action item

Pieter Paap is requested to raise the subject of e-NAV Committee members attending the VTS Portrayal workshop at e-NAV13.

## Usage of the World VTS Guide (Task M4\*)

The Editor of the World VTS Guide (Paul Owen) informed the Committee that the World VTS Guide Board, at their last meeting on 12th December in London, agreed that IALA would take over control of the Guide and that the existing Board Members would become members of a new World VTS Guide Advisory Panel.

The Editor further advises that with effect from 14th March 2013 there will be no further charges for either viewing the information on the Guide, or for adding, updating or keeping VTS information on the Guide. The costs will be covered by sponsorships. The one exception is where a VTS Authority requests the Editor to add or update their entry, on their behalf, from information they provide.

The Editor briefly explained the new system for adding and accessing the VTS information and offered to give a tutorial to anyone requesting this during the week. There are downloadable manuals included in the Guide website. He also provided some statistics on the website usage provided by Google Analytics.

There was a short discussion about the need for registration, from which it emerged that registration is only necessary if wishing to add or amend the details of a VTS and that all requests for registration are closely vetted.

In response to several questions Paul Owen said that there is no change to the present arrangement whereby the VTS Authority has full editorial rights over what is published on the World VTS Guide, regardless as to whether the Editor creates the entry on behalf of the VTS Authority or a representative of the VTS Authority directly creates the entry. The editorial rights to any VTS entry in the World VTS Guide rest automatically with the VTS Authority, and they exercise these rights by registering on the World VTS Guide for access to the relevant VTS(s). Registration enables access to one, or several related, VTS.

The Editor is there to protect the integrity of the World VTS Guide.He does this through the careful authorisation of registrants requesting access to the website and by checking completed/updated VTS entries for appropriateness (see the ‘About Us’ page on the website**)**, for any typographical errors, or other hindrances before final publication. If any problems are found he will liaise the VTS Authority.

There have already been inappropriate registrations, e.g. on checking one company that attempted to register, the Editor discovered that they were a ship chandlers and were likely looking for a way to advertise their services; registration was declined. The second line of defence is final publication of a completed VTS entry, which the Editor is required to approve.

## IALA Dictionary (Task M5\*)

The Chairman said that he had nothing to report under this agenda item.

## Competent Pilotage Authority (Task M6\*)

This is a new monitoring item, introduced at the direction of the IALA Council; the forum is not due to meet until 11 – 13 June. It was noted, with gratitude, that Raymond Seignette volunteered, conditionally, to act as the monitoring item’s rapporteur, subject to the finalisation of the terms of reference of the forum.

# Presentations

There were two presentations made during the meeting. They form part of the output from the meeting.

## The IALA World-Wide Academy (WWA)

The presentation was made by Stephen Bennett at the beginning of the Thursday afternoon plenary.

Stephen Bennett updated the Committee about the activities and procedures of the WWA. The presentation covered:

* The WWA’s place within IALA;
* The WWA’s role in both capacity building and training;
* The outputs that the WWA will produce and its programme for Awareness and Assessment;
* The WWA’s approach to accreditation;
* The process for registering as an IALA expert;
* A summary of the countries in which accredited training courses exist or are in the process of being established.

The presentation concluded with the statement that four VTS experts (Tuncay Cehreli, Neil Trainor, Terry Hughes and Monica Sundklev) had ‘signed up’ and been approved, during the meeting.

## The Zero Accident concept

An overview of the IMO’s Zero Accident campaign was provided by Gurpreet Singhota, IMO, at the beginning of the Friday morning plenary session (see item 8.17).

# Establish Working Groups

The Chairman ran through the expectations for the week.

Three working groups were then established, as outlined below:

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| Working Group (WG) | Working Group Chair / Vice Chair |
| WG1 – VTS Operations | James Clark / Monica Sundklev |
| WG2 – Technical | René Hogendoorn / Robert Townsend |
| WG3 – Personnel and Training | Terry Hughes / Niels Mygind |

Before breaking into Working Groups there was a short discussion about training and the potential WWA involvement in it. It was agreed that any queries / comments should be reserved until Stephen Bennett made his presentation later in the week.

# Working Group 1 – Operations

At total of 36 members were involved with WG 1, approximately half were at IALA for the first time. 8 subgroups were created to consider the 10 tasks planned to be tackled during the meeting.

## Develop criteria, guidance or general provisions, for submission to IMO, on establishing and operating a VTS beyond territorial seas, to include a clarification of the difference between a VTS Area established / extending beyond territorial seas and operated as a VTS in its own right and a ship reporting system managed / monitored by a VTS. (Task 2\*)

This task was closed following the 52nd session of the IALA Council.

## Review/update/provide input to IMO on Resolution A.857(20) - Guidelines For Vessel Traffic Services (Task 3\*)

An information paper, including a draft submission for a New Unplanned Output regarding the review of IMO Resolution A.857(20) was finalised.

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| Name | Organisation |
| Jacinto De Sousa (Chair) | Signalis, Portugal |
| Neil Trainor | AMSA, Australia |
| Dirk Eckhoff | NCA, Germany |
| Trond Ski | NCA, Germany |
| Pieter Paap | Netherlands Ministry of Infrastructure and Environment |
| Tuncay Cehreli | DGCS, Turkey |
| Per Baek Hansen | Danish Admiral Fleet HQ, Soundrep |

Action item

The Secretariat is requested to forward VTS36/output/4 (Information paper, explaining the need to review IMO Resolution A.857 (20)) to the Council to approve.

## Update the VTS Manual (Task 4\*)

This task was not progressed during VTS36.

## Review VTS Recommendation on V-120 on Vessel Traffic Services in inland waters (dated 06/2001) (Task 5.a.ii\*)

A draft revised Guideline was finalised.

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| Name | Organisation |
| Ben Rohner (Chair) | Port of Rotterdam, Netherlands |
| Els Bogeart | VTS, Belgium |
| Gerardine Delanoye | RWS, Netherlands |
| Pieter Paap | Netherlands Ministry of Infrastructure and Environment |

Action item

The Secretariat is requested to forward VTS36/output/7 (Draft revised Recommendation V-120 on Vessel Traffic Services in inland waters) to Council for approval

## Review VTS Recommendation on V-125 on the use and presentation of symbology (dated 12/2004) (Task 5.a.iii\*)

Completed. Approved at the 53rd session of the Council.

## Review VTS Recommendation on V-127 on VTS operating procedures (dated 06/2004) (Task 5.a.iv\*)

Completed. Approved at the 51st session of the Council.

## Produce a Recommendation on standard nomenclature (i.e. radio call signs) for use when referring to a VTS Centre (Task 8\*)

Completed. Approved at the 51st session of the Council.

## Produce Guidelines on the provision of VTS Types of Service (Task 10\*)

Completed. Approved at the 54th session of the Council.

## Produce a Guideline on VTS support and interaction with allied services in emergency situations, SAR, disaster management, law enforcement and regulatory compliance. (Task 11\*)

This task was progressed during VTS 36.

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| --- | --- |
| Name | Organisation |
| Zhang Chongyang | China MSA |
| Marco Svantesson | Swedish Maritime Administration |
| Jeong Byeong Woo | Korea Maritime Administration |
| Phaithaya Khumwaree | Thailand Marine Dept |
| Thanatip Jantarapakde | Thailand Marine Dept |
| Grisha Atanasov | PI VTS Burgas, Bulgaria |
| Antonio Carlos Oliveira | ADM Moraes Rego Center Brazil |
| Raymond Seignette (Chair) | Port of Rotterdam Authority |

Action item

The Secretariat is requested to forward VTS36/WG1/WP3 (Guideline on VTS support and interaction with allied services in emergency situations, SAR, disaster management, law enforcement and regulatory compliance (Task 11)) to VTS37.

The VTS Committee is requested to review VTS6/WG1/WP3 and provide further input to VTS37.

## Produce a Guideline on the use of decision support tools in VTS. (Task 12\*)

This Task was progressed during VTS 36 including liaison with a member of WG2 as some issues contained in the document relate to chapter 11 of the DRAFT V128 currently under review. It was proposed that the Task also be placed onto the 2014 - 2018 work plan for completion by VTS 39. A request was also made to forward the document to WG3 as it was felt that there may be some training implications contained in the DRAFT guideline.

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| Name | Organisation |
| Kamal Lakhmas | Morocco Port Authority |
| Jean-Charles Cornillou (Chair) | CETMEF, France |
| Juri Ehandi | Estonian VTS Authority |
| Malin Dreijer | Norwegian Coastal Authority |
| Jorgen Brandt | Great Belt VTS, Denmark |
| Romain Gallen | CETMEF, France |
| Shin Okubo | Japan Coastguard |
| Huang Xigang | Maritime Administration, China |

Action item

The Secretariat is requested to forward VTS36/WG1/WP4 (Guideline on the use of decision support tools in VTS (Task 12)) to VTS37.

WG3 members are requested to review and if necessary comment on VTS36/WG1/WP4 (Guideline on the use of decision support tools in VTS (Task 12)) at VTS37.

## Produce a Guideline on assessing and auditing the overall performance of VTS Centres with respect to their effectiveness in mitigating risk and as described in Chapter 18, Quality Management, in the VTS Manual (Task 13\*)

This task was progressed during VTS 36 (based on the AMSA input paper VTS36/40 & VTS36/41)

It was agreed that the focus of the guideline should be on the checklist contained in the annex.

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| Name | Organisation |
| Wong Wing-Hung (Chair) | Marine department, Hong Kong SAR |
| Ma Chi Tak | Marine department, Hong Kong SAR |
| Lucia Bakker | Canada Coast Guard (MCTS) |
| Are Piel | Estonian Maritime Administration |
| Tom Southall | IHMA |
| Mikko Turunen | Finnish Transport Agency |

Action item

The Secretariat is requested to forward VTS36/WG1/WP5 (Draft Guideline on Assessing and Auditing the Overall performance of VTS Centres (Task 13) to VTS37.

## Review SMCP as it relates to VTS and communicate suggested changes to IMO (Task 14\*)

This task is temporarily in abeyance.

## Co-ordinate work required to update the NAVGUIDE (Task 19\*)

This task was not progressed during VTS 36.

Action items

The Secretariat is requested to forward input paper VTS36/7 paper to VTS37 for completion.

Committee members are requested to review the IALA NAVGUIDE in preparation for VTS 37.

## Develop an IALA VTS Strategy Paper on the ‘Needs for the future delivery of VTS’ (Task 21)

This task was progressed during VTS 36. The VTS committeeareinvited to review Task 21: Develop a IALA VTS Strategy Paper on the ‘Needs for the future delivery of VTS’ inter-sessionally, by e-mail, and have all comments and reviews back toJacinto De Sousa by May 31st 2013.

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| Name | Organisation |
| Jacinto De Sousa (Chair) | Signalis, Portugal |
| Neil Trainor | AMSA, Australia |
| Dirk Eckhoff | NCA, Germany |
| Trond Ski | NCA, Germany |
| Pieter Paap | Netherlands Ministry of Infrastructure and Environment |
| Tuncay Cehreli | DGCS, Turkey |
| Per Baek Hansen | Danish Admiral Fleet HQ, Soundrep |

Action items

The VTS Committee is requested to review the IALA Strategy Paper addressing the delivery of VTS in a rapidly changing world (VTS36/WG1/WP1) and the associated Matrix (VTS36/WG1/WP2) and provide comment to Jacinto De Sousa by 31 May 2013.

The Secretariat is requested to forward VTS36/WG1/WP1 and VTS36/WG1/WP2 to VTS37.

## Review V-128 chapters 1-8

This task was requested by the chair of WG 2 on the first day of VTS36. It was completed and the results passed to WG2 for consideration.

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| Name | Organisation |
| Tuomas Martikainen | Finnish Transport Agency |
| Roman Modeev (Chair) | Transas |

## Consider VTS items for the 2014 - 2018 IALA questionnaire

This Task was in response to the ANM enquiry (PAP23 Action 15) and was completed.

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| Name | Organisation |
| Paul Owen | IFSMA |
| Ugur Karabay (Chair) | DGCS, Turkey |

Action item

The Secretariat is requested to forward VTS36/output/3 (Review VTS items on the IALA questionnaire) to the ANM Committee.

## Review Terms of Reference and Criteria for the IMO Zero accident campaign

When a broad overview of the document was given, members of WG1 voiced various concerns that are detailed in the working paper (VTS36/WG1/WP6).

The Secretariat will place VTS36/WG1/WP6 on the ftp server for review and comment on the terms of Reference and Criteria for the IMO Zero accident campaign. Monica Sundklev and Tom Southall will finalise the comments and forward them to the Secretariat for onward transmission to Council and finally (if approved) to IMO. The final document must be with the: Director, Maritime Safety Division at the IMO by May 31st 2013. (several actions, linking dates and deadlines were determined)

Gurpreet Singhota (IMO representative) gave an overview of the above campaign and also provided answers to the concerns raised by the Committee.

It was made clear that the output would be presented as an information document to NAV 59 (September 2nd-6th September). The proposal would then need to be forwarded to the Maritime Safety Committee, which has responsibility to consider any matters directly affecting maritime safety. Following that, the IMO Council (C112) in June 2014 would be informed of this development, for final endorsement before the campaign is launched.

In clarification, in response to the question as to whether the proposed campaign concerned Vessel Traffic Services in territorial waters, it was said that the original draft criteria had been developed based on SOLAS regulation V/12 (Vessel Traffic Services – which mention VTS in territorial waters). However, if the Committee wished the criteria could be made ’generic’.

Following this:

* it was agreed that the campaign could include all VTS’s, not just VTS which are contained in the world VTS guide;
* the nature of the zero accident campaign was discussed and it was also agreed that a ‘zero accident campaign’ was an admirable vision, but that it was not necessarily a pre-requisite for applying to be considered by the campaign.

Parallels were drawn between this proposed campaign and the IMO bravery awards. Further, it was suggested that a similar criteria questionnaire be developed.

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| Name | Organisation |
| Tuncay Cehreli | DGCS, Turkey |
| Monica Sundklev (Chair) | Swedish Transport Agency |
| Tom Southall | IHMA |
| James Clark | UK Maritime and Coastguard Agency |

Action items

Monika Sundklev and Tom Southall are requested to forward VTS36/WG1/WP6 to the secretariat by 8 April 2013.

When available, the Secretariat is requested to place VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) immediately on the ftp server.

The Secretariat is requested to advise Committee members that VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) is on the ftp server for review and that comment to Monica Sundklev and Tom Southall ([monica.sundklev@transportstyrelsen.se](mailto:monica.sundklev@transportstyrelsen.se) & thomas.southall@pla.co.uk) is required by 12 April 2013.

Monica Sundklev and Tom Southall are requested to finalise the revised VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) and forward it to the Secretariat by the 16 April 2013.

The Secretariat is requested to place the revised VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) on the ftp server and invite committee members to approve the document with any final comments to Tom and Monika by the 22 April 2013.

Monika Sundklev and Thomas Southall are requested to forward the final committee approved VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) to the Secretariat by 24 April 2013.

The Secretariat is requested to forward the final version of VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) to Council for approval.

If approved, the Secretariat is requested to forward the final and approved VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) to the Director, Maritime Safety Division at the IMO by the 31 May 2013 for presentation to IMO NAV 59.

# Working Group 2 – Technical

## Review Recommendations & Guidelines (Tasks 5.a.i\* & 5.b.ii\*)

Task completed

## Review V-128 – Operational and Technical Performance Requirements for VTS Equipment (Annexes 2, 3, 6, 7, 8 and 9) (Task 6\*)

Significant progress was made during the session. In particular, annexes 9 to 13 were revised in small groups and then reviewed by the entire Working Group. Given the volume of work however, the WG could not complete the review of these annexes.

Comments, provided by WG1, were incorporated into annexes 1 – 8. The issues raised were all resolved.

During revision of Recommendation V-128 annex 10, it was noted that there is an impact on Recommendation V-125 - On the Use and Presentation of Symbology at a VTS Centre (including AIS)- Ed. 2. In particular, V-125 addresses technical issues that were considered more appropriate for V-128. After consultation with the WG1 chair, it is proposed that a task should be raised for the 2014-2018 work programme to address this issue.

In order to finalise the revision of V-128, it is recommended that

1. WG2 completes the review of annexes 9-13 by April 30, 2013 and produces a final draft revised V-128.
2. The completed draft revised V-128 is made available to all committee members for review.
3. Committee members are requested to provide their comments to the WG2 chair no later than August 1, 2013.
4. An input paper, containing the completed revision to V-128, is submitted to VTS37 for approval. Comments, marked as ‘Editorial’ and ‘Minor’ will be incorporated into the input paper.
5. At VTS37, only comments marked as “To Be Discussed” will be reviewed.

It was noted that, due to the size of the document, there would be no page-by-page review in plenary.

When reviewing the revised V-128, committee members are specifically requested to

* separate out those operational issues that should be addressed in a more appropriate IALA guideline or recommendation;
* where possible, seek advice on the more specialist technical issues addressed by the document;
* continue to draft the revised Recommendation V-128 inter-sessionally and submit a draft revised Recommendation V-128 to the Secretariat before 30 April, 2013.

Action items

The Secretariat is requested to post the draft revised Recommendation V-128 (VTS36/WG2/WP1) to the ftp server and Committee website for Working group review.

The Chair of WG2 is requested to provide a finalised draft revised Recommendation V-128 to the Secretariat.

When available, the Secretariat is requested to distribute the draft revised Recommendation V-128 to all Committee members for review and advise them of its availability.

Committee members are requested to provide comments to the chair and vice chair of WG2 ([rene.hogendoorn@hitt.nl](mailto:rene.hogendoorn@hitt.nl) & [robert.townsend@mcga.gov.uk](mailto:robert.townsend@mcga.gov.uk)), with copy to the Committee Chair and Vice Chair ([tcehreli@kegm.gov.tr](mailto:tcehreli@kegm.gov.tr) & neil.trainor@amsa.gov.au), before August 1, 2013.

WG2 members are requested to finalise the revision of Recommendation V-128 and to submit it to VTS37 as an input paper for approval by the Committee.

WG2 members are requested to continue drafting the revised Recommendation V-128 inter-sessionally and submit a draft revised Recommendation V-128 to the Secretariat before 30 April, 2013.

Following comment, the Chair of WG2 is requested to provide a revised version of V-128 to the Secretariat for posting on the ftp server and the Committee website.

When available, the Secretariat is requested to advise the VTS Committee when the revised V-128 is available and ask that comment be made to the Chair of WG2.

Committee members are requested to review and if necessary comment on the revised version of V-128 to the Chair of WG2 by 1 August 2013.

## Produce a Recommendation on harmonized functional VTS/VTM requirements for networking and information exchange (Task 7\*)

This Task has been completed.

## Specify VTS and (associated stakeholder) user needs in relation to the allocation of the radio frequency spectrum, for further delivery to the IMO and ITU (Task 17\*)

This Task has been completed.

## Input Papers

VTS36/18 and VTS36/19 rev1

The e-Navigation Committee requested feedback on the Draft Guideline on Harmonised portrayal of e-Navigation-related Information. Only limited time was available to for this task. A liaison note (VTS36/output/5) and a commented on Draft Guideline on Harmonised portrayal of e-Navigation-related Information, with track changes, (VTS36/output/6) were prepared containing the observations.

Action item

The Secretariat is requested to forward liaison note VTS36/output/5 to the e-NAV Committee.

The Secretariat is requested to forward the commented on Draft Guideline on Harmonised Portrayal of e-Navigation-related Information (VTS36/output/6) to the e-NAV Committee.

# Working Group 3 – Personnel & Training

## Review VTS Recommendations and Guidelines to ensure consistency with the VTS Manual including: 1027 Simulation in VTS Training (dated 06/2002) (Task 5b iii\* & Task 5b iv\*)

This task was not progressed during this session.

## Develop Model Course (V-103) on 'Train the Trainer' (Task 9\*)

Work was continued on this Model Course.

Action item

The Secretariat is requested to forward VTS36/WG3/WP1 to VTS37.

## Produce a position paper on the need for mandatory training for VTSOs, including certification / accreditation and encourage member states to support this initiative at IMO (Task 15\*)

This task is complete.

## Produce a recommendation on training and certification standards for Navigating Officers participating in a VTS for further delivery to IMO (Task 16\*)

This task is complete

## Consider developing a separate and distinct VTS Training Manual to complement the V-103 Model courses (Task 18\*)

The WG have considered this Task and recommend that this be put on the work programme for 2014-2018. This task is considered complete.

## Produce a Model Course on Refresher Training and Revalidation (Task 20\*)

Work was continued on this Task.

Action Item

The Secretariat is requested to forward VTS36/WG3/WP2 to VTS37.

# Working Group 4 – VTM (WG4)

This Task was removed from the Work Programme of the VTS Committee as a result of a decision taken at the 52nd session of the IALA Council.

# Future Work Programme (2014 – 2018)

The draft future work programme was reviewed (VTS36/C&VC/WP1). It is due to be completed at VTS37.

Action items

The Secretariat is requested to forward VTS36/C&VC/WP1 (Future Work Programme) to VTS37.

# Review of output and working papers

The Working Group Chairmen reported on the work carried out by their Working Groups.

The output documents listed at Annex E were reviewed and their disposition agreed.

The Secretariat was requested to forward / action the output documents, as indicated earlier in the report.

The Chairman then thanked the Chairs, Vice Chairs and members of the working groups for all their efforts during the week.

# Any Other Business

## Workshop – VTS Portrayal (Bremen – March 2013)

A meeting of the Steering Group took place during VTS36. The Chairman drew the meetings attention to the event and reminded members that there is a limit of 50 attendees.

## Seminar – VTS Simulation Training (Wageningen & Port of Rotterdam – September 2013)

An initial meeting of the Steering Group took place during VTS36. The Chairman drew the meetings attention to the event and reminded members that there is a limit of 50 attendees. It was noted that a document, giving observations and findings, will form part of the reading list for the seminar.

## IMO’s ‘Zero Accident’ concept

This item was covered under agenda items 6.4 and 8.17.

## IALA Bulletin

The Chairman reminded the meeting that the editor of the IALA Bulletin has asked for suitable high-definition photographs / graphics that can be used, if necessary with attribution, in future editions and that members have been requested to suggest topics that the Bulletin should cover that are not currently included.

Action items

Committee members are requested to provide suitable high-definition photographs / graphics that can be used, if necessary with attribution, in future editions of the Bulletin.

Committee members are requested to propose topics for inclusion in the Bulletin that are not currently covered.

# Review of Session Report

The report of the meeting (VTS36/output/1) was reviewed and approved by the Committee.

Action Item

The Secretariat is requested to forward the report of VTS36 (VTS36/output/1) to the IALA Council, to note.

## Changes to the Work Programme

Proposed changes to the Work Programme were agreed (VTS36/output/2).

Action Item

The Secretariat is requested to forward the proposed changes to the VTS Committee’s Work Programme (VTS36/output/2) to the IALA Council, to approve.

# Date and venue of next meeting

VTS37 will meet from 16 – 20 September, 2013 at IALA.

# Closing of the Meeting

The Chairman again expressed his thanks for all the hard work done during the meeting and then said that he also appreciated the camaraderie that had been evident during the week.

The Chairman then asked if there were any final comments that members wished to make; there were none, at which he wished everyone a pleasant and safe journey home.

# List of Annexes

1. Agenda

A copy of the agenda is at Annex A.

1. Participants

A list of VTS36 participants is at Annex B.

1. Working Group Participants

A list of working group participants is at Annex C.

1. Input Papers

A list of input papers is at Annex D.

1. Output and Working papers

A list of output and working papers is at Annex E.

1. Action Items

A list of action items is at Annex F.

1. VTS36 Agenda

**36th Meeting of the Vessel Traffic Services Committee**

The 36th meeting of the **VTS Committee** will be held from 11 – 15 March 2013, at IALA.

The opening plenary will commence at 1300 on Monday 11 March, and the closing plenary will end at approximately 1300 on Friday 15 March.

Committee Chair, Vice-Chair and Working Group Chairpersons are requested to meet at 0900 on Monday 11 March.

Change from VTS35

**AGENDA**

1. Approval of the agenda
2. Review of action items from last meeting
3. Review of input papers
4. Reports from other bodies:
   1. Report from IALA Council – 54th Session, December 2012
   2. Report from PAP24, October 2012
   3. Report from MSC91, October 2012
5. Reports from rapporteurs:
   1. Developments in e-learning, IALA W-W Academy (M1\*)
   2. Use and impact of risk and decision making tools (M2\*)
   3. Liaison with e-Navigation Committee (M3\*)
   4. Usage of the World VTS Guide (M4\*)
   5. IALA Dictionary (M5\*)
   6. Competent Pilotage Authority Forum (CPAF) (M6\*)
6. Presentations (15 minutes)
   1. Update on IALA WWA Stephen Bennett (Thursday afternoon)
   2. The Zero Accident campaign Gurpreet Singhota (Friday morning)
7. Establish Working Groups
8. Working Group 1 – Operations (WG1)
   1. Develop criteria, guidance or general provisions, for submission to IMO, on establishing and operating a VTS beyond territorial seas, to include a clarification of the difference between a VTS Area established / extending beyond territorial seas and operated as a VTS in its own right and a ship reporting system managed / monitored by a VTS. (Task 2\*) – Task complete
   2. Review/update/provide input to IMO on Resolution A.857 (20) - Guidelines For Vessel Traffic Services, taking into account the development and implementation of the VTM concept (Task 3\*) – Task temporarily in abeyance
   3. Update the VTS Manual (Task 4\*) – Task complete
   4. Review Recommendations & Guidelines (Tasks 5.a.ii\*, 5.a.iii\* & 5.a.iv\*)
   5. Produce a Recommendation on standard nomenclature (i.e. radio call signs) for use when referring to a VTS Centre (Task 8\*) – Task complete
   6. Produce Guidelines on the provision of VTS Types of Service (Task 10\*) – Task complete.
   7. Produce a Guideline on VTS support and interaction with allied services in emergency situations, SAR, disaster management, law enforcement and regulatory compliance (Task 11\*)
   8. Produce a Guideline on the use of decision support tools in VTS. (Task 12\*)
   9. Produce a Guideline on assessing and auditing the overall performance of VTS Centres with respect to their effectiveness in mitigating risk and as described in Chapter 18, Quality Management, in the VTS Manual (Task 13\*)
   10. Review SMCP as it relates to VTS and communicate suggested changes to IMO (Task 14\*) – Task temporarily in abeyance
   11. Co-ordinate work required to update the NAVGUIDE (Task 19)
   12. Develop a Strategy Paper on the ‘Needs for the future delivery of VTS’ (Task 21\*)
9. Working Group 2 – Technical (WG2)
   1. Review Recommendations & Guidelines (Tasks 5.a.i\* & 5.b.ii\*)\*) – Task complete.
   2. Review V-128 – Operational and Technical Performance Requirements for VTS Equipment (Annexes 2, 3, 6, 7, 8 and 9) (Task 6\*)
   3. Produce a Recommendation on harmonized functional VTS requirements for networking and information exchange (Task 7\*) – Task complete.
   4. Specify VTS and (associated stakeholder) related user needs in relation to the allocation of the radio frequency spectrum, for further delivery to the IMO and ITU (Task 17\*) – Task complete.
10. Working Group 3 – Personnel & Training (WG3)
    1. Review Recommendations & Guidelines (Tasks 5.b.i\*, 5.b.iii\* & 5.b.iv\*)
    2. Develop Model Courses (V-103) on training the trainer (Task 9\*)
    3. Produce a position paper on the need for mandatory training for VTSOs, including certification / accreditation and encourage member states to support this initiative at IMO (Task 15\*) – Task complete
    4. Produce a recommendation on training and certification standards for Navigating Officers participating in a VTS for further delivery to IMO (Task 16\*) – Task complete
    5. Consider developing a separate and distinct VTS Training Manual to complement the V-103 Model courses (Task 18\*)
    6. Produce a Guideline on refresher training and revalidation (Task 20)
11. Working Group 4 – VTM (WG4) (Task removed at C52)
12. Future Work Programme (2014 – 2018)
13. Review of output and working papers
14. Any Other Business
    1. Workshop – VTS Portrayal (Bremen – March 2013)
    2. Seminar – VTS Simulation Training (MARIN / Rotterdam – September 2013)
    3. IMO’s ‘Zero Accident’ campaign
    4. The IALA Bulletin
15. Date and venue of next meeting
16. Review of session report
17. VTS36 Participants

**Country**

**Australia** **Australian Maritime Systems Ltd**

Mr Andrew DONALD

655 MacArthur Ave Central

Pinkenba

QLD 4008

Australia

Mobile phone: +61 407377430

e-mail [andrew.donald@marsys.com.au](mailto:andrew.donald@marsys.com.au)

**Australia**  **Specialist - Vessel Traffic Services, Australian Maritime Safety Authority**

**(Vice**

**Chairman)** Mr. Neil TRAINOR

GPO Box 10790

Brisbane, QLD 4000

Australia

Phone +61 (0)2 6279 5929

Fax +61 (0)2 6279 5966

Mobile phone: +61 (0)408 559 849

e-mail [neil.trainor@amsa.gov.au](mailto:neil.trainor@amsa.gov.au)

**Belgium** **Flemish VTS (Afdeling Scheepvaartbegeleiding)**

Ms Els BOGAERT

Maritiem Plein 3

8400 Oostende

Belgium

Phone +32 59 255 447

Fax +32 59 255 441

Mobile phone: +32 474 23 68 25

e-mail [els.bogaert@mow.vlaanderen.be](mailto:els.bogaert@mow.vlaanderen.be)

**Belgium** **Flemish VTS (Afdeling Scheepvaartbegeleiding)**

Mr Stefaan PRIEM

Maritiem Plein 3

8400 Oostende

Belgium

Phone

Fax +32 59 255 441

Mobile phone: +32 499 949 381

e-mail [stefaan.priem@mow.vlaanderen.be](mailto:stefaan.priem@mow.vlaanderen.be)

**Brazil** **"Almirante Moraes Rego"**

Capt Antonio Carlos LEITE ALVES DE OLIVEIRA

Rua Barao de Jaceguai, S/N

Ponta da Armaçao

24048900 Niteroi RJ

Brazil

Phone +5521 2189 3527

Fax +55 21 2189 3439

Mobile phone: +55 21 7403 5755

e-mail [antonio.carlos@camr.mar.mil.br](mailto:antonio.carlos@camr.mar.mil.br)

e-mail (alternative) [acarlosoliv@yahoo.com.br](mailto:acarlosoliv@yahoo.com.br)

**Bulgaria** **Bulgarian Ports Infrastructure Co.**

Mr Grisha ATANASOV

1574 Sofia 69

Shipchenski prohod blvd

Bulgaria

Phone +359 56 84 63 48

Mobile phone: +359 885 035 330

e-mail [g.atanasov@bgports.bg](mailto:g.atanasov@bgports.bg)

e-mail (alternative) [gri-63@abv.bg](mailto:gri-63@abv.bg)

**Bulgaria** **Bulgarian Ports Infrastructure Co.**

Mr Petar PETROV

1574 Sofia 69

Shipchenski prohod blvd

Bulgaria

Phone +359 52 687 978

e-mail [pe.petrov@bgports.bg](mailto:pe.petrov@bgports.bg)

**Canada** **Canadian Coast Guard**

Ms Lucia BAKKER

200 Kent St

Ottawa ON K1A 0E6

Canada

e-mail [Lucia.Bakker@dfo-mpo.gc.ca](mailto:Lucia.Bakker@dfo-mpo.gc.ca)

**Canadian Coast Guard**

Mr Tom MONTOR

200 Kent Street

Ottawa, ON K1A 0E6

Canada

Mobile phone: +1 613 698 5547

e-mail [tom.montor@dfo-mpo.gc.ca](mailto:tom.montor@dfo-mpo.gc.ca)

e-mail (alternative) [tom.montor@crystalmanor.org](mailto:tom.montor@crystalmanor.org)

**China** **China MSA**

Mr Xigang HUANG

229 Binhe Rd

Shenzhen

China

Phone +86 755 83797135

Fax +86 755 83797141

Mobile phone: +86 180 2537 8889

e-mail [huangxigang@sz.msa.gov.cn](mailto:huangxigang@sz.msa.gov.cn)

e-mail (alternative) [xigang\_h@hotmail.com](mailto:xigang_h@hotmail.com)

**China MSA**

Mr Honghui ZHENG

No. 7 Lixiang Road

Huangpu District

Gunangzhou

China

Phone +86 20 8235 4205

Fax +86 20 8235 4195

Mobile phone: +86 138 088 98 721

e-mail [zhhhui\_gz@gdmsa.gov.cn](mailto:zhhhui_gz@gdmsa.gov.cn)

**China MSA**

Mr. Chong Yang ZHANG

Jianguomennei Avenue, 11

Beijing

China

Phone +86 10 6525 931 72

Fax +86 10 652 93 269

Mobile phone: +86 1350 968 6236

e-mail [szmsa@hotmail.com](mailto:szmsa@hotmail.com)

**Marine Department, HKSAR Government**

Mr. Wing-Hung WONG

4/Fl, Outer Pier,

Macau Ferry Terminal

Sheung Wan

Hong Kong, China

Phone + 852 22337813

Fax + 852 28579042

e-mail [wh\_wong@mardep.gov.hk](mailto:wh_wong@mardep.gov.hk)

**Marine Department, HKSAR Government**

Mr Chi-Tak MA

Government Land Allocation N° KT1115

Kwai Chung, NT

Hong Kong

China

Phone +852 274 36 043

Fax +852 27 430 751

e-mail [ctma@mardep.gov.hk](mailto:ctma@mardep.gov.hk)

**Denmark** **Great Belt VTS**

Capt. Jørgen BRANDT

Admiral Danish Fleet Headquarters

Sylowsvej 8

DK-4220 Korsør

Denmark

Phone + 45 58 37 68 68

Mobile phone: +45 40 15 29 18

e-mail [boss@mil.dk](mailto:boss@mil.dk)

e-mail (alternative) [sok-oc601@mil.dk](mailto:sok-oc601@mil.dk)

**Denmark** **Royal Danish Navy, Maritime Assistance Service**

Capt. Niels Jacob MYGIND

P.O. Box 1483

8220 Brabrand

Denmark

Phone +45 89 43 34 17

e-mail [njmyg@mil.dk](mailto:njmyg@mil.dk)

**SOUND VTS**

Capt Per Baek HANSEN

Hans Michelsensgatan 9

BOX 855 SE-201 Malmoe

SE-201 Malmoe

Sweden

Phone +45 22 91 06 29

Mobile phone: +45 22 91 06 29

e-mail [pbh@mil.dk](mailto:pbh@mil.dk)

e-mail (alternative) [sok-oc650@mil.dk](mailto:sok-oc650@mil.dk)

**Terma A/S**

Dr. Jens-Erik LOLCK

Hovmarken 4-6

DK-8520 Lystrup

Denmark

Phone +45 87 43 60 00

Fax +45 87 43 60 01

Mobile phone: +45 40 11 64 52

e-mail [jel@terma.com](mailto:jel@terma.com)

**TERMA AS**

Mr. Jens Christian PEDERSEN

Hovmarken 4

DK-8520 Lystrup

Denmark

Phone + 45 87 43 62 42

Fax + 45 87 43 60 01

Mobile phone: +45 20 435 357

e-mail [jcp@terma.com](mailto:jcp@terma.com)

**Ecuador** **INOCAR**

Mr Carlos PAUCAR

Casilia 5940

Guayaquil

Ecuador

e-mail [carlos-luendro1969@hotmail.com](mailto:carlos-luendro1969@hotmail.com)

**INOCAR**

Mr Danilo VASCONEZ

Casilia 5940

Guayaquil

Ecuador

e-mail [jodc23491969@gmail.com](mailto:jodc23491969@gmail.com)

**Estonia** **Estonia Maritime Administration**

Mr Juri EHANDI

Valge 4

Tallinn

Estonia

Phone +372 6205 669

Mobile phone: +372 56 229 188

e-mail [jyri.ehandi@vta.ee](mailto:jyri.ehandi@vta.ee)

**Estonian Maritime Administration**

Mr Are PIEL

Valge 4

Tallinn

Estonia

Phone +372 6205 760

Mobile phone: +372 50 44764

e-mail [are.piel@vta.ee](mailto:are.piel@vta.ee)

**Finland** **Finnish Transport Agency**

Mr Mika HALTTUNEN

Sammalkuja 1 a 7

20810 Turku

Finland

Phone +358 40 571 4288

Mobile phone: +358 40 571 4288

e-mail [mika.halttunen@fta.fi](mailto:mika.halttunen@fta.fi)

**Finnish Transport Agency**

Mr Tuomas MARTIKAINEN

P.O. Box 33

FI-00520 Helsinki

Finland

Phone +358 40 829 9895

e-mail [tuomas.martikainen@fta.fi](mailto:tuomas.martikainen@fta.fi)

**Finnish Transport Agency**

Mr Mikko TURUNEN

Finland

e-mail [mikko.turunen@fta.fi](mailto:mikko.turunen@fta.fi)

**France** **CETMEF**

Mr Jean-Charles CORNILLOU

Technopôle Brest Iroise

BP 5

29280 Plouzané

France

Phone +33 2 98 05 67 41

Fax +33 2 98 05 67 67

e-mail [jean-charles.cornillou@developpement-durable.gouv.fr](mailto:jean-charles.cornillou@developpement-durable.gouv.fr)

**CETMEF**

Dr Romain GALLEN

Technopôle Brest Iroise

BP 5

29280 Plouzané

France

Phone +33 2 98 05 67 83

e-mail [romain.gallen@developpement-durable.gouv.fr](mailto:romain.gallen@developpement-durable.gouv.fr)

**Germany** **Federal Waterways and Shipping Administration**

Mr. Rainer STRENGE

Traffic Technologies Centre

Am Berg 3

56070 Koblenz

Germany

Phone + 49 261 9819 2000

Fax + 49 261 9819 2155

Mobile phone: +49 151 2642200

e-mail [rainer.strenge@wsv.bund.de](mailto:rainer.strenge@wsv.bund.de)

**SIGNALIS**

Mr. Holger KLINDT

Hanna-Kunath-Str. 3

28199 Bremen

Germany

Phone +49 421 457 1752

Fax +49 421 457 4215

Mobile phone: +49 151 1620 3696

e-mail [holger.klindt@signalis.com](mailto:holger.klindt@signalis.com)

e-mail (alternative) [klindt.holger@arcor.de](mailto:klindt.holger@arcor.de)

Capt. Jacinto DE SOUSA

Sucursal em Portugal

Quinta da Fonte

Edifício Forum Piso 2

2770-192 Paço de Arcos

Portugal

Phone +351 21 440 16 42

Mobile phone: +351 91 998 32 04

Fax +351 21 440 16 44

e-mail [jacinto.desousa@signalis.com](mailto:jacinto.desousa@signalis.com)

e-mail (alternative) jacintopsousa@netcabo.pt

**Waterways and Shipping Administration**

Mr. Dirk ECKHOFF

Waterways and Shipping Directorates North & Northwest

Hindenburgufer 247

24106 Kiel

Germany

Phone + 49 431 3394 5702

Fax + 49 431 3394 6399

e-mail [dirk.eckhoff@wsv.bund.de](mailto:dirk.eckhoff@wsv.bund.de)

**IALA** **Accredited Representative of IALA to IMO / Dean, IALA WWA**

R-Adm. Jean-Charles LECLAIR

10 rue des Gaudines

78100 Saint Germain en Laye

France

Phone +33 4 93 88 25 25

Mobile phone: +33 6 62 29 02 74

e-mail [jean-charles.leclair@iala-aism.org](mailto:jean-charles.leclair@iala-aism.org)

**Programme Manager, WWA**

Mr Stephen BENNETT

10 rue des Gaudines

Saint Germain en Laye

France

Phone +44 243 533 148

Fax +33 1 34 51 82 05

Mobile phone: +44 7787 320 761

e-mail [Stephen.Bennett@iala-aism.org](mailto:Stephen.Bennett@iala-aism.org)

**Technical Co-ordination Manager**

Dr. Mike HADLEY

10 rue des Gaudines

78100 Saint Germain en Laye

France

Phone +33 1 34 51 70 01

Fax +33 1 34 51 82 05

Mobile phone: +44 7887 548 227

e-mail [mike.hadley@iala-aism.org](mailto:mike.hadley@iala-aism.org)

e-mail (alternative) [advnav@btinternet.com](mailto:advnav@btinternet.com)

**IFSMA** **International Federation of Shipmasters' Associations**

Capt. Paul OWEN

202 Lambeth Road

London SE1 7JY

UK

Phone + 44 20 7261 0450

Fax + 44 20 7928 9030

Mobile phone: +44 77 4063 7309

e-mail [hq@ifsma.org](mailto:hq@ifsma.org)

**IHMA International Harbour Masters’ Association**

Mr Thomas SOUTHALL

Port of London Authority

London River House

Royal Pier Road

Gravesend

UK

Phone +44 1 474 562 242

Fax +44 1 474 562 281

e-mail [thomas.southall@pla.co.uk](mailto:thomas.southall@pla.co.uk)

**IMO** **International Maritime Organisation**

Capt Gurpreet SINGHOTA

Maritime Safety Division

4 Albert Embankment

London SE1 7SR

United Kingdom

Phone +44 (0)20 7735 7611

Fax +44 (0)20 7587 3210

e-mail [gsinghot@imo.org](mailto:gsinghot@imo.org)

**Iraq** **General Company for Ports of Iraq**

Mr Subhi Naser Hezam AL-GHZAWI

Iraq Basral Maqal

Iraq

Mobile phone: +96 47 81 22 32 378

e-mail [sub\_na2005@yahoo.com](mailto:sub_na2005@yahoo.com)

**General Company for Ports of Iraq**

Capt Badr Ramadahn Mayea AL-KHAMEES

Iraq Basral Maqal

Iraq

Phone +96 47 80 139 4595

Mobile phone: +9647 801 39 4595

e-mail [badrramadan20@yahoo.com](mailto:badrramadan20@yahoo.com)

**Italy** **Italian Coastguard**

Lt Barbara MAGRO

Italian Coastguard Headquarter Roma

Italy

Mobile phone: +39 328 0492564

e-mail [barbara.magro@mit.gov.it](mailto:barbara.magro@mit.gov.it)

**ITGC - VTS Training Centre (Messina)**

Lt j Raffaele Danilo MURVANA

Via s. Raineri

c/o Base Marina Militare

98121 Messina

Italy

Phone +39 090 6010703

Fax +39 090 6413970

Mobile phone: +39 331 6486129

e-mail [raffaele.murvana@mit.gov.it](mailto:raffaele.murvana@mit.gov.it)

**Japan** **Japan Coast Guard, Maritime Traffic Department**

Lt Cdr Shin OKUBO

1-3, Kasumigaseki 2 chome

Chiyoda-ku

Tokyo 100-8918

Japan

Phone +81 3 3591 6361

e-mail [okubo-s8wmw@kaiho.mlit.jp](mailto:okubo-s8wmw@kaiho.mlit.jp)

**Japan Radio Company Ltd.**

Mr Katsutoshi Ashida

Mitaka Plant

1-1, Shimorenjaku 5 chome

Mitaka-Shi

Tokyo 181-8510

Japan

Phone +81 422 45 9831

Fax +81 422 45 9683

e-mail ashida.katsutoshi@jrc.co.jp

**Korea** **GMT Cybernetics**

Mr Kil Yong KIM

Republic of Korea

Phone +82 02 488 6502

e-mail yonjjang@gmtc.kr

**Ministry of Land, Transport and Maritime Affairs**

Mr Byeong Woo JEONG

Government Complex Sejong

Doum6-Ro

Sejong City 33-012

Korea

Phone +82 44 201 4120

Fax +82 44 56131

Mobile phone: +82 10 3610 0666

e-mail [Jack2745@naver.com](mailto:Jack2745@naver.com)

e-mail (alternative) [jack2745@korea.kr](mailto:jack2745@korea.kr)

**Morroco** **Tangier Med Port Authority**

Capt Kamal LAKHMAS

Deputy Harbour Master in VTS

Zone Franche de Ksar El Majaz

Oued R'mel Commune Anjra

Morocco

Phone +212 5 39 70 83

Fax +212 5 39 33 70 91

e-mail [k.lakhmas@tmsa.ma](mailto:k.lakhmas@tmsa.ma)

**Netherlands** **MARIN Wageningen**

Mr Cees STEDEHOUDER

Haagsteeg 2

P.O. Box 28

6700 AA Wageningen

The Netherlands

Phone +31 317 47 99 39

Fax +31 317 49 32 45

Mobile phone: +31 6 53 90 15 87

e-mail [c.stedehouder@marin.nl](mailto:c.stedehouder@marin.nl)

e-mail (alternative) [cmstedehouder@planet.nl](mailto:cmstedehouder@planet.nl)

**Ministry of Infrastructure and for the Environment**

Mr Pieter PAAP

PO Box 5044

2600 Delft

Netherlands

Mobile phone: +31 6 466 36 190

e-mail [pieter.paap@rws.nl](mailto:pieter.paap@rws.nl)

e-mail (alternative) [pieter.l.paap@quicknet.nl](mailto:pieter.l.paap@quicknet.nl)

**Ministry of Infrastruture and Environment**

Mrs Gerardine DELANOYE

Rijkswaterstaat Zeeland

Commandoweg 50

4381 BH Vlissingen

The Netherlands

Phone +31 118 424730

Mobile phone: +31 6 5076045

e-mail [gerardine.delanoye@rws.nl](mailto:gerardine.delanoye@rws.nl)

**Port of Rotterdam Authority**

Mr. Ben ROHNER

World Port Center

Postbus 6622

3002 AP Rotterdam

Netherlands

Phone +31 10 252 1184

Fax +31 10 252 43 99

Mobile phone: +31 6 5353 1001

e-mail [b.rohner@portofrotterdam.com](mailto:b.rohner@portofrotterdam.com)

e-mail (alternative) [b.rohner@hccnet.nl](mailto:b.rohner@hccnet.nl)

**Port of Rotterdam Authority**

Mr Raymond SEIGNETTE

P.O. Box 6622

3002 AP Rotterdam

The Netherlands

Phone +31 10 252 2017

Fax +31 10 252 1020

Mobile phone: +31 10 252 3604

e-mail [RWP.Seignette@portofrotterdam.com](mailto:RWP.Seignette@portofrotterdam.com)

**SAAB**

Mr René HOGENDOORN

PO Box 717

7300 AS Apeldoorn

The Netherlands

Phone +31 555 432 501

Mobile phone: +31 610 925 412

e-mail [rene.hogendoon@hitt.nl](mailto:rene.hogendoon@hitt.nl)

**Stichting NNVO**

Ms Lilian BIBER-KLEVER

Admiraal Luvcashof 7a

3115 Schiedam

The Netherlands

Phone +31 10 40 900 40

Fax +31 10 40 900 49

Mobile phone: +31 6 33 66 87 87

e-mail [lbiber@nnvo.nl](mailto:lbiber@nnvo.nl)

e-mail (alternative) [bureau@nnvo.nl](mailto:bureau@nnvo.nl)

**Norway** **Kongsberg Norcontrol IT**

Mr Siddi WOUTERS

Norway

Phone +47 33 08 48 49

Fax +47 33 04 57 35

Mobile phone: +47 97 41 17 88

e-mail [siddi.wouters@kongsberg.com](mailto:siddi.wouters@kongsberg.com)

**Norwegian Coastal Administration**

Mr Richard AASE

Postbox 466

5516 Haugesund

Norway

Phone +47 52733315

Mobile phone: +47 91866969

e-mail [richard.aase@kystverket.no](mailto:richard.aase@kystverket.no)

**Norwegian Coastal Administration**

Ms Malin DREIJER

P.O 466

5501 Haugesund

Norway

Phone +47 52 73 32 47

Mobile phone: +47 52 19 05 75

e-mail [malin.dreijer@kystverket.no](mailto:malin.dreijer@kystverket.no)

**Norwegian Coastal Administration**

Mr Trond SKI

Postbox 1502

6025 Alesund

Norway

Phone + 47 70 23 10 64

Mobile phone: +47 95 19 08 01

e-mail [trond.ski@kystverket.no](mailto:trond.ski@kystverket.no)

**VisSim AS**

Mr Peter EADE

Vollveien 5

N-3183 Horten

Norway

Phone +47 33 07 18 90

Fax +47 33 07 18 99

Mobile phone: +47 48 27 83 35 / +44 7802 400280

e-mail [peter.eade@vissim.no](mailto:peter.eade@vissim.no)

**Philippines** **Philippine Coast Guard**

CDR Joselito QUINTAS

Commanding Office, Vessel Traffic Management Services

139 25th Street

Port Area 1018 Manila

Philippines

Phone +63 94 75 35 42 88/527848

Mobile phone: +63 91 66 30 77 85

e-mail [tholites2003@yahoo.com](mailto:tholites2003@yahoo.com)

**Philippine Coast Guard**

Mr Godofredo VAGILIDAD

139 25th Street Port Area

1018 Manila

Philippines

Phone +63 252 73 909

Mobile phone: +63 91 73 14 30 99

e-mail [sage4121@yahoo.com](mailto:sage4121@yahoo.com)

**Russia** **Transas Co**

Mr Roman MODEEV

V.O. Maly pr-i, 54-4

St. Petersburg 199178

Russia

Phone + 7 812 325 31 31

Fax + 7 812 325 31 32

Mobile phone: + 7 911 210 08 44

e-mail [roman.modeev@transas.com](mailto:roman.modeev@transas.com)

**Transas Tech. Ltd.**

Mr Dmitry OBLIZANOV

Shore-Based Product Unit

54-4 Maly pr., V.O.

199178 St Petersburg

Russia

Phone +7 812 325 31 31

Fax +7 812 325 31 32

Mobile phone: +7 911 980 31 52

e-mail [dmitry.oblizanov@transas.com](mailto:dmitry.oblizanov@transas.com)

**Spain** **SASEMAR**

Mr Carlos FERNANDEZ SALINAS

Callé Leon XIII N° 6 2° C

33209 Gijon

Spain

Phone +34 63 55 725 47

e-mail [fernandezsalinas@gmail.com](mailto:fernandezsalinas@gmail.com)

**Sweden** **Swedish Maritime Administration**

Mr Marco SVANTESSON

Box 855

S-201 80 Malmoo

Sweden

Phone +46 10 4784796

Mobile phone: +46 709 647 742

e-mail [marco.svantesson@sjofartsverket.se](mailto:marco.svantesson@sjofartsverket.se)

**Swedish Transport Agency**

Ms. Monica SUNDKLEV

Transportstyrelsen

60173 Norrköping

Sweden

Phone +46 10 495 3336

Mobile phone: +46 767 211 049

e-mail [monica.sundklev@transportstyrelsen.se](mailto:monica.sundklev@transportstyrelsen.se)

**Thailand** **Marine Department**

Mr Thanatip JANTARAPAKDE

Vessel Traffic Control & Maritime Security Center

Laem Chabang Port, Sriracha

Chonburi

Thailand

Phone +66 38 400 270

Fax +66 38 400 271

Mobile phone: +66 83 999 8597

e-mail [thanatip.j@md.mail.go.th](mailto:thanatip.j@md.mail.go.th)

e-mail (alternative) [thanatipj@hotmail.com](mailto:thanatipj@hotmail.com)

**Marine Department of Thailand**

Mr Phaithaya KHUMWAREE

Vessel Traffic Control and Maritime Security Center

SRIRACHA VTS

Thailand

e-mail [phaithaya@hotmail.com](mailto:phaithaya@hotmail.com)

**Thailand Marine Department**

Mr Khumwaree PHAITHAYA

Vessel Traffic Control & Maritime Security Center

Laem Chabang Port, Sriracha

Chonbury

Thailand

Phone +66 38 495 162

Fax +66 38 495 163

Mobile phone: +66 800 1818 36

e-mail [phaithaya@hotmail.com](mailto:phaithaya@hotmail.com)

**Turkey** **Barbaros Uh. Alattin Yanasco Sk. No. 19**

Capt Ugur KARABAY

Kapton apt. D. 7 134668

Uskudar

Istanbul

Turkey

Phone +90 533 68 1991 /+90 216 562

Fax +90 212 249 3691

Mobile phone: +90 533 618 1991

e-mail [ugurkarabay@hotmail.com](mailto:ugurkarabay@hotmail.com)

**Turkey**  **Directorate General of Coastal Safety**

**(Chairman)**

Capt. Tuncay CEHRELI

Meclisi Mebusan cad.

No. 14 Salipazari

34433 Beyoglu

Turkey

Phone

Fax +90 212 249 3691

Mobile phone: +90 505 296 78 75

e-mail [tcehreli@kegm.gov.tr](mailto:tcehreli@kegm.gov.tr)

e-mail (alternative) [tcehreli@hotmail.com](mailto:tcehreli@hotmail.com)

**UK** **Kelvin Hughes**

Mr David TURNAGE

Voltage

Mollison Avenue

Enfield EN3 7XQ

UK

Phone +44 1992 805 224

Fax +44 1992 805 310

Mobile phone: +44 7834 328890

e-mail [dave.turnage@kelvinhughes.co.uk](mailto:dave.turnage@kelvinhughes.co.uk)

**Maritime and Coastguard Agency**

Mr Kaimes BEASLEY

MRCC Dover

Langdon Battery

Swingate, Dover CT15 5NA

UK

Phone +44 1304 21 85 03

Fax +441304 218505

Mobile phone: +44 7730 812 921

e-mail [kaimes.beasley@mcga.gov.uk](mailto:kaimes.beasley@mcga.gov.uk)

e-mail (alternative) [paul.townsend@mcga.gov.uk](mailto:paul.townsend@mcga.gov.uk)

**Maritime and Coastguard Agency**

Mr. Robert TOWNSEND

Bay 3/1 Spring Place

105 Commercial Road

Southampton SO15 1EG

UK

Phone + 44 2380 839 683

Fax + 44 2380 329 429

Mobile phone: +44 7795 287 836

e-mail [robert.townsend@mcga.gov.uk](mailto:robert.townsend@mcga.gov.uk)

e-mail (alternative) [paul.townsend@mca.gov.uk](mailto:paul.townsend@mca.gov.uk)

**Maritime Coastguard Agency**

Mr James CLARK

Vessel Traffic Management Policy Lead

Bay 2/05 Spring Place, 105 Commercial Road

Southampton SO15 1EG

UK

Phone +44 (0)23 8083 9645

Fax +44 (0)23 8032 9204

Mobile phone: +44 (0)7920 154 931

e-mail [James.Clark@mcga.gov.uk](mailto:James.Clark@mcga.gov.uk)

**Representing Trinity House**

Capt. Terry HUGHES

1 Claudius Way, Roman Park

Lydney, GLOS

GL15 5NN

UK

Phone +44 1594 845 258

e-mail [info.maritime-vts@spamex.com](mailto:info.maritime-vts@spamex.com)

1. Working Group Participants
2. Operations

|  |  |  |
| --- | --- | --- |
|  | Name | Organisation / Country |
|  | James Clark (Chair) | Maritime and Coastguard Agency / UK |
|  | Monica Sundklev (Vice Chair) | Swedish Transport Agency |
|  | Subhi Naser Hezan Al Ghzawi | General Company for Ports of Iraq |
|  | Badr Ramadhan Mayea Al Khamees | General Company for Ports of Iraq |
|  | Grisha Atansov | Port Infrastructure / Bulgaria |
|  | Lucia Bakker | Canadian Coast Guard |
|  | Els Bogaert | Waterways & Shipping Administration / Belgium |
|  | Jørgen Brandt | Great Belt VTS / Denmark |
|  | Jean-Charles Cornillou | Centre d’Etudes Techniques Maritimes Et Fluviales (CETMEF), Brest / France |
|  | Jacinto de Sousa | SIGNALIS / Portugal |
|  | Malin Dreijer | NCA / Norway |
|  | Jüri Ehandi | Estonian Maritime Administration |
|  | Per Baek Hansen | Sound VTS / Denmark |
|  | Xigang Huang | China Maritime Safety Administration |
|  | Kyeong Woo Jeong | Ministry of Land, Transport and Maritime Affairs (MLTM) / Korea |
|  | Ugur Karaby | DGCS / Turkey |
|  | Phaithaya Khumwarce | Marine Department / Thailand |
|  | Kamal Lakhmas | Tangier Port Authority / Morocco (Observer) |
|  | Chi-Tak Ma | Marine Department / Hong Kong (SAR) |
|  | Tuomas Martikainen | Finnish Transport Agency |
|  | Roman Modev | TRANSAS / Russia |
|  | Shin Okubo | Japanese Coast Guard |
|  | Antonio Carlos Leite de Alves | Brazilian Navy |
|  | Paul Owen | IFSMA / IALA |
|  | Pieter Paap | Ministry of Infrastructure and the Environment / The Netherlands |
|  | Carlos Paucar | INOCA / Ecuador |
|  | Are Piel | Estonian Maritime Administration |
|  | Ben Rohner | Port of Rotterdam Authority / The Netherlands |
|  | Raymond Seignette | Port of Rotterdam Authority / The Netherlands |
|  | Gurpreet Singhota | IMO |
|  | Trond Ski | NCA / Norway |
|  | Italo Solari | DIRECTEMAR / Chile |
|  | Thomas Southall | IHMA |
|  | Marco Svantesson | Swedish Maritime Agency |
|  | Jantarapakdi Thanatip | Marine Department / Thailand |
|  | Mikko Turunen | Finnish Transport Agency |
|  | Danilo Vascona | Ecuadorian Navy |
|  | Wing-Hung Wong | Marine Department / Hong Kong (SAR) |
|  | Kyeong Woo Jeong | Ministry of Land, Transport and Maritime Affairs (MLTM) / Korea |
|  | Chongyang Zhang | China Maritime Safety Administration |

1. Technical

|  |  |  |
| --- | --- | --- |
|  | Name | Organisation / Country |
|  | Rene Hogendoorn (Chair) | SAAB / the Netherlands |
|  | Robert Townsend (Vice Chair) | Maritime & Coastguard Agency / UK |
|  | Richard Aase | NCA / Norway |
|  | Katsutoshi Ashida | Japan Radion Co Ltd / Japan |
|  | Andrew Donald | AMS / Australia |
|  | Peter Eade | VisSim AS / Norway |
|  | Dirk Eckhoff | Federal Waterways and Shipping / Germany |
|  | Romain Gallen | CETMEF / France |
|  | Kil Yong Kim | GMT Co. / Korea |
|  | Holger Klindt | SIGNALIS / Germany |
|  | Jens Erik Lolck | TERMA AS / Denmark |
|  | Tom Montor | Canadian Coast Guard |
|  | Dmitry Oblizanov | Transas Technologies / Russia |
|  | Jens Christian Pedersen | TERMA AS / Denmark |
|  | Rainer Strenge | Federal Waterways / Germany |
|  | David Turnage | Kelvin Hughes / UK |
|  | Siddi Wouters | Kongsberg Norcontrol IT / Norway |
|  | Honghui Zheng | China Maritime Safety Authority |

1. Personnel & Training

|  |  |  |
| --- | --- | --- |
|  | Name | Organisation / Country |
|  | Terry Hughes (Chair) | Trinity House / UK |
|  | Niels Jacob Mygind (Vice Chair) | Admiral Danish Fleet / Denmark |
|  | Kaimes Beasley | Maritime and Coastguard Agency / UK |
|  | Lilian Biber-Klever | NNVO / Netherlands |
|  | Gerardine Delanoye | Rijkswaterstaat Zeeland / Netherlands |
|  | Mika Halttunen | Finnish Transport Agency |
|  | Barbara Magro | Italian Coast Guard |
|  | Raffaele Danilo Murvana | Italian Coast Guard |
|  | Stefaan Priem | Waterways & Marine Administration / Belgium |
|  | Joselito Quintas | Philippine Coast Guard |
|  | Carlos Fernandez Salinas | SASEMAR / Spain |
|  | Cees Stedehouder | Maritime Simulation Centre / The Netherlands |
|  | Godofredo Vagilidad | Philippine Coast Guard |

1. List of Input Papers

All papers are posted on the FTP site and the Committee website

| Meeting | Number | Title / Author (if required) | Agenda Item | Presented by / WG | Posting |
| --- | --- | --- | --- | --- | --- |
|  |  | Report of VTS35 |  | All | 1 |
|  |  | VTS input paper template |  | All | 1 |
| VTS36/ | 1 rev3 | Agenda | 1 | TC / TCM | Late |
| VTS36/ | 2 rev1 | Actions from VTS35 | 2 | TC / TCM | Late |
| VTS36/ | 3 rev5 | Papers' List | 3 | TC / TCM | Late |
| VTS36/ | 4 rev1 | Programme for the week | 3 | TC / TCM | 5 |
| VTS36/ | 5 | Draft future work programme (2014 - 2018) |  | C&VC | 1 |
| VTS36/ | 6 | Draft Liaison note to ANM on NAVGUIDE | 8.11 | 1 | 1 |
| VTS36/ | 7 | Draft Liaison note to ANM - VTS changes to NAVGUIDE | 8.11 | 1 | 1 |
| VTS36/ | 8 | Task 19 - VTS IALA NAVGUIDE review to ANM (same file as VTS35-input-9) | 8.11 | 1 | 1 |
| VTS36/ | 9 | Task 13 - Draft Guideline on Assessing & Auditing the Overall Performance of VTS Centre (but see VTS36/40) | 8.9 | 1 | 1 |
| VTS36/ | 10 | Task 11 - Draft Guideline on VTS Support and interaction with allied services | 8.7 | 1 | 1 |
| VTS36/ | 11 | Task 5 (ii) - Draft V-120 recommendations | 8.4 | 1 | 1 |
| VTS36/ | 12 | Draft Decision Support Guidelline | 8.8 | 1 | 1 |
| VTS36/ | 13 | Draft Liaison note to ANM on the Annual Questionnaire | 14.4 | 1 | 1 |
| VTS36/ | 14 | Draft revised Recommendation V-128 - Superceded See VTS36/34, VTS36/35, VTS36/36, VTS36/37 | 9.2 | 2 | 1 |
| VTS36/ | 15 | Draft Model Course - Train the Trainer | 10.2 | 3 | 1 |
| VTS36/ | 16 | Draft Model Course - Refresher Training for VTS Personnel | 10.6 | 3 | 1 |
| VTS36/ | 17 | Comment from IMO on amendment to SMCP | 8.10 | 1 | 1 |
| VTS36/ | 18 | Liaison note from e-NAV about draft Guideline on Harmonised Portrayal of e-Navigation related Information | 15.1 | 1/2 | 1 |
| VTS36/ | 19 rev1 | Draft Guideline on Harmonised Portrayal of e-Navigation related Information | 15.1 | 1/2 | 5 |
| VTS36/ | 20 | Liaison note from e-NAV on the IVEF Product Specification | 9 | 2 | 1 |
| VTS36/ | 21 | Report of Council's 54th session | 4.1 | TC / TCM | 1 |
| VTS36/ | 22 | VTS Committee Work Programme | 13 | TC NT | 1 |
| VTS36/ | 23 | Report of PAP24 | 4.2 | TC / TCM | 1 |
| VTS36/ | 24 | MSC 91 report | 4.3 | TC / TCM | 1 |
| VTS36/ | 25 | Meeting programme revised December 2012 | INF | ALL | 2 |
| VTS36/ | 26 | Updating IALA documentation | 12 | TC/NT | 2 |
| VTS36/ | 27 | Master List of IALA Recommendations | 12 | TC/NT | 2 |
| VTS36/ | 28 | Master List of Guidelines | 12 | TC/NT | 2 |
| VTS36/ | 29 | Master List of Other publications | 12 | TC/NT | 2 |
| VTS36/ | 30 | Master List of Model Courses | 12 | TC/NT | 3 |
| VTS36/ | 31 rev1 | Records of decisions - Zero Accident | INF | ALL | 5 |
| VTS36/ | 32 | IMO/IALA Award for Accident Zero Campaign | 14.3 | 1/3 | 3 |
| VTS36/ | 33 | Brief Report on the Intersessional V-128 Editorial Meeting | 9 | 2 | 3 |
| VTS36/ | 34 | Draft revised V-128 Chapters 1-8 | 9 | 2 | 3 |
| VTS36/ | 35 | Draft revised V-128 Chapters 9-13 | 9 | 2 | 3 |
| VTS36/ | 36 | Request for comments on draft revised V-128 | 9 | 2 | 3 |
| VTS36/ | 37 | Draft revised V-128 Comment Sheet | 9 | 2 | 3 |
| VTS36/ | 38 | Rapporteur Report - Use and impact of risk and decision support tools | INF | All | 3 |
| VTS36/ | 39 | Develop Model Course (V-103) on 'Train the Trainer' - AMSA | 10.2 | 3 | 4 |
| VTS36/ | 40 | Task 13 Draft Guideline on Assessing and Auditing the Overall Performance of VTS Centres - AMSA comment | 8.9 | 1 | 4 |
| VTS36/ | 41 | Revised draft Guideline Assessing and Auditing the Overall Performance of VTS Centres | 8.9 | 1 | Late |
| VTS36/ | 42 | Best Practice - Conference 2014 | INF | All | Late |
| VTS36/ | 43 | Best Practice submission form | INF | All | Late |
| VTS36/ | 44 | Draft VTS Strategy paper | 8.12 | 1 | Late |

1. List of Output and Working Papers

Output documents are submitted for review by a body other than the Committee initiating the document.

|  |  |  |
| --- | --- | --- |
| Number | Title | Status |
| VTS36/output/1 | Draft Report | To Council to note |
| VTS36/output/2 | Proposed changes to the VTS Committee’s Work Programme | To Council to approve |
| VTS36/output/3 | Liaison note to ANM on IALA Questionnaire | To ANM20 |
| VTS36/output/4 | Information paper to Council for Submission IMO 857(20) | To Council to approve |
| VTS36/output/5 | Liaison note to e-NAV on Draft Guideline on Harmonised Portrayal of e-Navigation-related Information | To e-NAV13 |
| VTS36/output/6 | Comments on Draft Guideline on Harmonised Portrayal of e-Navigation-related Information | To e-NAV13 |
| VTS36/output/7 | Draft revised Recommendation V-120 VTS in Inland Waters | To Council to approve |

Working papers are documents that will remain within the Committee for further review.

|  |  |  |
| --- | --- | --- |
| Number | Title | Status |
| VTS36/WG1/WP1 | Task 21 IALA VTS Strategy | To VTS37 |
| VTS36/WG1/WP2 | Task 21 IALA VTS Strategy matrix | To VTS37 |
| VTS36/WG1/WP3 | Task 11 Draft Guideline on VTS Interaction with Allied and other Services | To VTS37 |
| VTS36/WG1/WP4 | Task 12 Draft Guideline on Decision Support Tools | To VTS37 |
| VTS36/WG1/WP5 | Task 13 Revised draft Guidelines for Auditing and Assessing VTS | To VTS37 |
| VTS36/WG1/WP6 | IMO-IALA Award for Accident Zero Campaign | To VTS37 |
|  |  |  |
| VTS35/WG2/WP1 |  | To VTS37 |
|  |  |  |
| VTS35/WG3/WP1 | Draft Model Course V104 on Train the Trainer | To VTS37 |
| VTS35/WG3/WP2 | Draft Model course on VTS Revalidation & Refresher Training | To VTS37 |
|  |  |  |
| VTS35/C&VC/WP1 | Future Work Programme | To VTS37 |

1. Action Items

Action Items for Secretariat

1. The Secretariat is requested to forward VTS36/output/4 (Information paper, explaining the need to review IMO Resolution A.857 (20)) to the Council to approve. 10
2. The Secretariat is requested to forward VTS36/output/7 (Draft revised Recommendation V-120 on Vessel Traffic Services in inland waters) to Council for approval 10
3. The Secretariat is requested to forward VTS36/WG1/WP3 (Guideline on VTS support and interaction with allied services in emergency situations, SAR, disaster management, law enforcement and regulatory compliance (Task 11)) to VTS37. 11
4. The Secretariat is requested to forward VTS36/WG1/WP4 (Guideline on the use of decision support tools in VTS (Task 12)) to VTS37. 12
5. The Secretariat is requested to forward VTS36/WG1/WP5 (Draft Guideline on Assessing and Auditing the Overall performance of VTS Centres (Task 13) to VTS37. 12
6. The Secretariat is requested to forward input paper VTS36/7 paper to VTS37 for completion. 12
7. The Secretariat is requested to forward VTS36/WG1/WP1 and VTS36/WG1/WP2 to VTS37. 13
8. The Secretariat is requested to forward VTS36/output/3 (Review VTS items on the IALA questionnaire) to the ANM Committee. 13
9. When available, the Secretariat is requested to place VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) immediately on the ftp server. 14
10. The Secretariat is requested to advise Committee members that VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) is on the ftp server for review and that comment to Monica Sundklev and Tom Southall (monica.sundklev@transportstyrelsen.se & thomas.southall@pla.co.uk) is required by 12 April 2013. 14
11. The Secretariat is requested to place the revised VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) on the ftp server and invite committee members to approve the document with any final comments to Tom and Monika by the 22 April 2013. 14
12. The Secretariat is requested to forward the final version of VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) to Council for approval. 14
13. If approved, the Secretariat is requested to forward the final and approved VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) to the Director, Maritime Safety Division at the IMO by the 31 May 2013 for presentation to IMO NAV 59. 14
14. The Secretariat is requested to post the draft revised Recommendation V-128 (VTS36/WG2/WP1) to the ftp server and Committee website for Working group review. 15
15. When available, the Secretariat is requested to distribute the draft revised Recommendation V-128 to all Committee members for review and advise them of its availability. 15
16. When available, the Secretariat is requested to advise the VTS Committee when the revised V-128 is available and ask that comment be made to the Chair of WG2. 16
17. The Secretariat is requested to forward liaison note VTS36/output/5 to the e-NAV Committee. 16
18. The Secretariat is requested to forward the commented on Draft Guideline on Harmonised Portrayal of e-Navigation-related Information (VTS36/output/6) to the e-NAV Committee. 16
19. The Secretariat is requested to forward VTS36/WG3/WP1 to VTS37. 16
20. The Secretariat is requested to forward VTS36/WG3/WP2 to VTS37. 17
21. The Secretariat is requested to forward VTS36/C&VC/WP1 (Future Work Programme) to VTS37. 17
22. The Secretariat is requested to forward the report of VTS36 (VTS36/output/1) to the IALA Council, to note. 18
23. The Secretariat is requested to forward the proposed changes to the VTS Committee’s Work Programme (VTS36/output/2) to the IALA Council, to approve. 18

Action Items for Members

1. Pieter Paap is requested to raise the subject of e-NAV Committee members attending the VTS Portrayal workshop at e-NAV13. 8
2. The VTS Committee is requested to review VTS6/WG1/WP3 and provide further input to VTS37. 11
3. WG3 members are requested to review and if necessary comment on VTS36/WG1/WP4 (Guideline on the use of decision support tools in VTS (Task 12)) at VTS37. 12
4. Committee members are requested to review the IALA NAVGUIDE in preparation for VTS 37. 12
5. The VTS Committee is requested to review the IALA Strategy Paper addressing the delivery of VTS in a rapidly changing world (VTS36/WG1/WP1) and the associated Matrix (VTS36/WG1/WP2) and provide comment to Jacinto De Sousa by 31 May 2013. 13
6. Monika Sundklev and Tom Southall are requested to forward VTS36/WG1/WP6 to the secretariat by 8 April 2013. 14
7. Monica Sundklev and Tom Southall are requested to finalise the revised VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) and forward it to the Secretariat by the 16 April 2013. 14
8. Monika Sundklev and Thomas Southall are requested to forward the final committee approved VTS36/WG1/WP6 (IMO-IALA Award for Accident Zero Campaign) to the Secretariat by 24 April 2013. 14
9. The Chair of WG2 is requested to provide a finalised draft revised Recommendation V-128 to the Secretariat. 15
10. Committee members are requested to provide comments to the chair and vice chair of WG2 (rene.hogendoorn@hitt.nl & robert.townsend@mcga.gov.uk), with copy to the Committee Chair and Vice Chair (tcehreli@kegm.gov.tr & neil.trainor@amsa.gov.au), before August 1, 2013. 15
11. WG2 members are requested to finalise the revision of Recommendation V-128 and to submit it to VTS37 as an input paper for approval by the Committee. 16
12. WG2 members are requested to continue drafting the revised Recommendation V-128 inter-sessionally and submit a draft revised Recommendation V-128 to the Secretariat before 30 April, 2013. 16
13. Following comment, the Chair of WG2 is requested to provide a revised version of V-128 to the Secretariat for posting on the ftp server and the Committee website. 16
14. Committee members are requested to review and if necessary comment on the revised version of V-128 to the Chair of WG2 by 1 August 2013. 16
15. Committee members are requested to provide suitable high-definition photographs / graphics that can be used, if necessary with attribution, in future editions of the Bulletin. 18
16. Committee members are requested to propose topics for inclusion in the Bulletin that are not currently covered. 18