

**Report of the 33rd Session of the IALA VTS Committee**

**19 – 23 September 2011**

***Executive Summary***

* 70 members, from 25 countries, attended VTS33; 19 for the first time.
* The Committee considered 56 input papers and produced 8 output papers.
* There was considerable debate about the precise nature of Navigation Assistance service (NAS).
* Draft documents submitted for Council approval:
* Revision of IALA Guideline No. 1014 on the Accreditation and Approval Process for VTS Training (VTS33/output/2).
* Liaison notes were produced on:
* VTS Beyond Territorial Seas (VTS33/output/3);
* On IALA Guideline No. 1026 (VTS32/output/4).
* The VTM Working Group were tasked to produce documents to support the deliberations of the ad hoc group on VTM, which are to be forwarded to the group by the Committee Chairman. These included a:
* Synopsis of relevant VTM documentation;
* Outline road map for VTM;
* Revised communications plan;
* Revised VTM workshop application. (Paragraph 11.1)
* A revision of VTS terms has been produced for the IALA Dictionary. (Paragraph 5.5)
* Terms of reference for each Working group were finalised. (Paragraph 14.2)
* The Committee continues to require rapporteurs for three of its monitoring items. The most significant shortfall being the liaison between the VTS and e-NAV Committees. (Paragraph 5)
* A second Training / Accreditation meeting is planned for 24March 2012, the day following VTS34. (Paragraph 4.1)
* Changes were proposed to the Committee’s Work Programme (Annex G).
* A request was made for the earlier availability of the reports of Council meetings. (Paragraph 14.7)
* The Committee have amended the timing of events on the opening day of a Committee meeting, in order to gain additional time for Working groups. (Paragraph 16)
* One inter-sessional meeting, for the Technical Working group, in order to progress the updating of IALA Recommendation V-128 on Operational and Technical Performance Requirements for VTS Equipment has been proposed. (Paragraph 9.2)

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| VTS Committee  33rd Session | 23 September, 2011 |

Report of the 33rd Session of the IALA VTS Committee

# General

The 33rd meeting of the **VTS Committee** was held from 19 – 23 September 2011 at IALA, with Tuncay Çehreli as Chair and Neil Trainor as Vice Chair. The Secretary for the meeting was Mike Hadley.

Apologies were received from:

|  |  |  |
| --- | --- | --- |
| **NAME** | **ORGANIZATION** | **COUNTRY** |
| Philip Giertz | Wasser und Schiffahrtsdirektion | Germany |
| Zheng Honghui | CMSA | China |
| Berker Iricioglu | DGCS | Turkey |
| Morten Brix Laursen | DaMSA | Denmark |
| Xavier Lefevre | Signalis | France |
| Roman Modeev | Transas | Russian Federation |
| Niels Jacob Mygind | Admiral Danish Fleet | Denmark |
| Tayfun Yalcin | DGCS | Turkey |

The Chairman opened the meeting by welcoming all participants to VTS33, particularly the significant number attending for the first time and those returning after absence. He once again acknowledged the kind hospitality of DaMSA, in making the previous meeting’s arrangements.

The Chairman presented the Secretary General apologies adding that he would join the meeting on Friday.

## Administrative announcements

The Secretary provided information on health and safety and administrative matters. He then gave details on other matters, such as the requirements for accessing the ftp server and the wireless internet service.

The Chairman thanked the Secretariat for the information provided.

## Approval of the agenda

The agenda was reviewed and adopted (VTS33/1/1 rev2).

# Review of action items from VTS32

Input paper VTS33/2/1 refers.

## Action items – IALA Secretariat

These were noted as complete.

## Action items – VTS Committee Members

With the following exceptions, the actions for members were considered complete.

**Action 41.** It was noted that nothing had been received, in response to the request for input of papers regarding VTS support / response to emergency situations and regulatory enforcement. However, it was recognised that, as Task 11 starts at VTS34, there was still time for inputs to be made and members were encouraged to do so.

Action Item

Committee members are requested to submit information papers to VTS34 with examples of VTS support / response to emergency situations and regulatory enforcement.

**Action 43.** It was noted that nothing had been received, in response to the request for input to a model course aimed at training the trainers. However, this action can continue and WG3 members were urged to make an input.

Action Item

WG3 members are requested to provide input for the draft model course ‘train the trainer’ in time for VTS34.

**Action 45.** There has been no response to the request for input concerning the Future Work Programme (2014 – 2018). The Chairman offered two thoughts of his own:

* The recording and reporting of accidents / incidents
* The recording and reporting of near misses

He said that he would return to the topic at the Friday plenary session. (See paragraph 14.7.)

# Review of input papers

The list of input papers (VTS33/3/1 rev6) was reviewed, in the context of Tasks and Working Groups, and their disposition for consideration and / or action agreed.

# Reports from other bodies

## Report of Council 51

Paper VTS33/4/1 refers. The Chairman drew attention to the:

* Formation of the Council’s ad hoc group on VTM;
* The Council’s on-going concern about inter-sessional meetings;
* The views expressed about VTS beyond territorial seas;

This led to a discussion about exactly what was meant by the Council’s remarks, as Working Group 1 (Operations) are unaware of the justification of reversing the view about IMO’s enthusiasm for the topic, following the statement made at MSC 88 (MSC 88-26 articles 11.28 – 11.39). It was agreed that an information paper to Council, seeking further clarification, was required.

* The support for mandatory training for VTSOs and the recognition that the Committee should organise another training / accreditation meeting in the early part of 2012.

The meeting will take place, at IALA, on Saturday 24 March 2012, following VTS34.

## IMO MSC89

Paper VTS33/4/2 refers. The Chairman drew attention to the discussions on:

1. LRIT.
2. Protection of the AIS VHF Data Link.
3. IMO Mandatory Audit Scheme.
4. General Provisions on Ships’ Routeing and the opportunity that this may provide for use of the IALA Risk Management Toolbox.

## NAV57

Paper VTS33/4/3 refers. The Chairman drew attention to the discussion on:

1. The IMO’s Correspondence group on e-Navigation.
2. The IMO – IHO harmonisation group on data models and its terms of reference.
3. The statement that polar VTMIS is considered premature.

## PAP21

Paper VTS33/4/4 refers. The Chairman drew particular attention to this report, which, unfortunately, neither he nor the Vice-Chairman had been able to attend. He mentioned:

1. The comments made about accreditation and mandatory training of VTSOs.
2. The potential move of the e-Navigation Committee’s WG6 (Information Portrayal) to the VTS Committee.

Working Groups were requested to discuss the implications of relocating the e-Navigation Committee’s WG6 (Information Portrayal) to the VTS Committee for discussion at agenda item 14.6.

1. The discussion and proposed way ahead with regard to VTM / Match.
2. The discussion about establishing VTS beyond territorial seas, in its own right.
3. The views expressed about the pursuit of national agendas within Committees and the guidance provided by the Legal Advisory Panel.
4. The views expressed about the conduct of WG inter-sessional meetings.

# Reports from rapporteurs

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

This item was deferred, in view of the presentation being provided by RAdm Jean-Charles Leclair. A volunteer to act as rapporteur for future meetings is required.

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

RAdm Jean-Charles Leclair said that the IALA Risk Management Toolbox is under the management of the EEP Committee. At least annual seminars, covering PAWSA, IWRAP Mk2 and simulation are held, with the next one planned for 27 November to 1 December, in Oman. He went to explain that the commercial version, which can automatically import AIS data, is now available at a cost of €3000. Given that this will allow a speedy assessment of risk of collision / grounding, which is a statutory responsibility of a coastal state, the price was believed to be very reasonable.

A volunteer to act as rapporteur for future meetings is required.

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

There was no input for this item. A volunteer to act as rapporteur for future meetings is required.

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

Paul Owen reported a slight increase to the figures for visitors presented during VTS 32.

* Monthly Average (2011) 3,600
* Peak number of 10/Jun/2011 530
* How do visitors find the World VTS Guide website:
* 56% via websites
* 32% from Search Engines (majority come from Google)

A project to update the World VTS Guide website is underway.

### Updates to entries completed to VTS information

(Germany) Stralsund East, Stralsund North, Wolgast, Sassnitz, Wismar, Travemunde, (USA) Prince William Sound, Houston, Puget Sound, (China) Hong Kong, (UK) London.

### Updates in hand

Akashi Kaikyo, Bisan Seto, Ise Wan, Kanmon Kaikyo, Kobe, Kurusima Kaikyo, Nagoya, Osaka, Tokyo Bay, Yokohama.

### New VTS recently added

(Italy) Bonifacio, (Korea) Busan, Busan New Port, Daesun, Donghae, Gunsan, Incheon, Jeju, Jindo, Masan, Mokpo, Pohang, Pyeongtaek, Ulsan, Wando, Yeosu.

### New VTS in hand

(Italy) Messina, Palermo, Mazara del Vallo, (Russia) Anvira, (Australia) Melbourne.

### New VTS Anticpated

(France) Marseille Fos.

## IALA Dictionary

Papers VTS33/5/5 and VTS33/10/1 refer. The Chairman, as rapporteur for this monitoring item, drew attention to the two papers and requested comments from the Committee. At the plenary on Thursday afternoon, he requested permission to forward the combined proposals from VTS33/5/5 and VTS33/10/1 to PAP for approval and for subsequent forwarding to the editor of the IALA Dictionary (VTS33/output/8). This was approved by the Committee, subject to the inclusion of the sources of definitions being included.

Action Item

The Secretariat is requested to revise VTS33/output/8 (Liaison note to the editor of the IALA Dictionary) to show the sources of definitions it contains.

The Secretariat is requested to forward the revised version of VTS33/output/8 (Liaison note to the editor of the IALA Dictionary) to the editor.

# Presentations

There were two presentations during the opening Session; both form part of the output from the meeting.

## Decision making tools for VTSOs

The script used by Cdr Hisao Sakamoto is at ANNEX H.

In response to a question about recording near misses, Cdr Sakamoto said that the functionality is still be tested but that, in due course, it would be recording near misses. The point was also picked up by a member referring to the usefulness of MSC Circ.7 for both safe navigation and ship owners.

In response to a question about the origins of the safety zones indicated on slide 7 of the presentation, it was said that the area triggering an alert is displayed by entering the required data in advance. These designated CPA / TCPA and automatic alert functions should be fixed by passage conditions, the traffic situation in the particular area and VTSO operational requirements determined by practical experiments. Designated CPA / TCPA are different for specific areas and individual VTS Centres.

## The IALA World-Wide Academy (WWA)

Jean-Charles Leclair began with the background to and aims of the WWA. He mentioned that IALA Recommendation E-141 on the Standards for Training and Certification of AtoN Personnel was equivalent to IALA Recommendation V-103 on the Standards for Training and Certification of VTS Personnel. He went on to say that the WWA is beginning to attract the interest of sponsors and then gave a new definition of the WWA:

‘*The IALA WWA is the vehicle by which IALA delivers training and capacity building*.’

The steps by which the WWA’s objectives could be achieved were addressed and it was stressed that IALA will need both subject experts and training institutes but said that there is no intention of conflicting with IALA’s industrial members. The current lack of information on both experts and relevant training institutes, accredited and private, was highlighted. Ending with further reference to sponsorship, which could be available next year, Jean-Charles Leclair said that IALA needed to be ready.

In response to a question, it was said that the IALA WWA is not a physical body and to a further question about whether or not there is a clear procedure for the certification / authentication of experts, it was said that although a list exists it is not currently well managed, something that sponsorship should help to rectify.

# Establish Working Groups

The Secretary ran through the outline programme for the week.

Four working groups were then established, as outlined below:

|  |  |
| --- | --- |
| Working Group (WG) | Working Group Chair / Vice Chair |
| WG1 – VTS Operations | Barry Goldman / William Burns |
| WG2 – Technical | Rene Hogendoorn / John Davis |
| WG3 – Personnel and Training | Terry Hughes / Els Bogaert |
| WG4 – VTM | Pieter Paap / Raymond Seignette |

The Working Group Chairpersons then outlined the status of their tasks and the objectives for their WG during the meeting.

During discussion it was agreed that paper VTS33/8/6 (Navigational Assistance Service / Navigational Safety Service) needed to be reviewed by the Legal Advisory Panel (LAP). However this decision was changed after further discussion.

The process by which the finalisation of the VTS Manual (2012) is to be managed was agreed.

1. The WGs were requested to review and comment on paper VTS33/8/11 (latest draft of the VTS Manual (2012)) by the end of the meeting.
2. On completion of the meeting, continue the review & provide photographs – deadline for comments to Terry Hughes is 21 October 2011.
3. A revised document would be available on the ftp server by 28 October 2011.
4. Committee members are to make their final comment by 4 November.
5. The finalised document, ready for Council approval, will be posted to the ftp server on 11 November.

Action item

Committee members are requested to note the timetable for the production of the VTS Manual and provide the information, comments and photographs requested.

# Working Group 1 - Operations

## 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\*)

It is considered that the existing Guideline 1071 meets the requirement as far is reasonably possible within IMO resolutions. A liaison note to Council has been prepared proposing this task be marked as completed.

Action item

The Secretariat is requested to forward VTS33/output/3 (liaison note requesting further guidance on VTS beyond territorial seas) to Council.

## 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\*)

This task has been progressed during this session. It has been agreed that WG3 will take the lead on Annex 2 that covers training aspects and WG1 and WG 3 will liaise over the development of this task.

Action item

The Secretariat is requested to forward VTS33/WG1/WP1 (draft revision of A.857 (20)) to VTS34

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

This task is scheduled to be completed at VTS33. Discussion took place under agenda item 7.

## Review Recommendations & Guidelines

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

This task is due to start at VTS35.

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

Existing document in pretty good shape and only minor amendments are required. However, additional material is required on ARPA and radar tracking. Some has been included but more needs to be included. With this exception the document revision is considered to be very nearly complete. The document will be posted as a working document and will be ready for finalization at VTS 34.

Action items

The Secretariat is requested to forward VTS33/WG1/WP4 (draft revision of V-125 on the use and presentation of symbology) to VTS34.

Committee Members are requested to review VTS33/WG1/WP4 with a view to finalising the document at VTS 34.

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

Completed. Approved by 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\*)

The Committee would like to acknowledge the very valuable input from Australia following their intercessional review and thank them for their input.

The draft guideline is now reaching maturity and is developing well as a single document covering all types of services. It needs to be reviewed by Members with a view for it to be completed at VTS34.

Taking note also of an input paper from IHMA on NAS this generated lengthy discussion in which it was recognised that there was a problem but no easy mechanism for its resolution. As a temporary measure wording has been included in this task that meets the existing IMO resolution. It was however considered that this impacted on Task 3 and that there is an opportunity to reconsider how NAS is delivered in the revised text of the IMO resolution. The Committee Vice Chair and Working Group 1 undertook to prepare a short input paper to inform VTS34, Task 3.

Action item

The Secretariat is requested to forward VTS33/WG1/WP2 (draft Guideline on Provision of Vessel Traffic Services (INS, NAS and TOS)) to VTS34.

The Committee Vice Chair and Working Group 1 Chair are requested to prepare a short input paper to inform VTS34 about progress with Task 3.

## Produce a Guideline on VTS support / interaction in emergency response, law enforcement, regulatory compliance, SAR and disaster management, including VTS initiated NAS, in consideration of VTM developments (Task 11\*)

This task is due to start at VTS35.

The Committee recommends renaming Task 11 to "Produce a Guideline on VTS support and interaction with allied services in emergency situations, law enforcement, regulatory compliance, SAR and disaster management."

It is anticipated that Committee Members will have examples of emergency procedures that can inform this task.

Action item

The Secretariat is requested to draw Council’s attention to the proposed renaming of Task 11 (on VTS support and interaction with Allied Services) for approval.

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

This task is due to start at VTS35.

## 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\*)

Work has started on this task.

Action item

The Secretariat is requested to forward VTS33/WG1/WP3 (on assessing and auditing the overall performance of VTS Centres) to VTS34.

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

Progress is being made on this task, which has been extended two sessions following Council’s approval in recognition of the work involved.

From this work it is already evident that many parts of SMCP that do not relate directly to VTS are also now in need of updating and that the document itself has passed the target date for review. It is considered that it is not too early to invite national support for an IMO submission requesting review of SMCP as a whole to which the work being developed in this task can inform the VTS section rather than waiting for the task to be completed before an approach to IMO.

Action item

The Secretariat is requested to forward VTS33/WG1/WP5 (SMCP suggested changes to A.918(22)) to VTS34.

National members are requested to consider supporting an IMO submission requesting review of SMCP as a whole.

# Working Group 2 – Technical

## Working Group Teams

Immediately after the introduction of the agenda and the work items, the working group broke into 3 teams with the following tasks:

* Review of
* Guideline 1026 – AIS as a VTS Tool,
* Recommendation V-102 – Application of the “User Pays” Principle to VTS,
* Input paper VTS33-9-8 Ship and Shore VHF installations: Interference between AIS and radio mobiles, led by John Davis;
* V-128, Annex 2 – Radar, led by Jens-Christian Pedersen;
* V-128, Annex 9 – Data Processing, led by Rene Hogendoorn.

The reviews were completed and the results are reflected in the sections below.

With respect to the work on V-128, considerable progress was made, but a lot more work is needed to complete the document. The working group agreed to divide the responsibilities for the respective annexes. J-C.Pedersen offered to collate and format the resulting draft document. Work will continue inter-sessionally and at VTS34.

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

Work continued on the structure of the document, which was augmented as follows:

Annex 1 – Core Operational Requirements for VTS

Annex 2 – Radar

Annex 3 – Automatic Identification System (AIS)

Annex 4 – Environmental Sensors

Annex 5 – Electro-Optical Equipment

Annex 6 – Radio Direction Finders

Annex 7 – Long Range sensors

Annex 8 – Radio Communications

Annex 9 – Data Processing and Display

Annex 10 – Data Display

Annex 11 – Decision Support

Annex 12 – External Information Exchange

Annex 13 – Verification and Validation

Each of the annexes will follow a common structure and be subdivided into, at least, the following sections:

* Introduction
* Definitions
* Characteristics
* Requirements
* Specific Design, Installation and Maintenance Considerations

Annex 2 was reviewed and substantially extended. The working group considered the current rate of progress insufficient and therefore proposed an inter-sessional meeting from January 30, 2012, starting 13.00 hours to February 1, 2012. The location of the inter-sessional meeting will be Amsterdam. Contributions to the draft document are expect before January 20, 2012 and should be sent to J-C Pedersen who will compile them into a draft document. The draft document will be reviewed and extended during the inter-sessional meeting. The responsibilities are divided as follows:

| **Section** | **Title** | **Contributors** |
| --- | --- | --- |
| ANNEX 1 | CORE OPERATIONAL REQUIREMENTS FOR VTS | **R. Hogendoorn**, S. Guest, J-C. Pedersen |
| ANNEX 2 | RADAR | **J-C. Pedersen**, R Strenge, H Klindt, D. McGilvray, S. Inoue, W. Palka R. Aase, L. Gourmelen |
| ANNEX 3 | AUTOMATIC IDENTIFICATION SYSTEM (AIS) | **J. Davis**, S. Guest |
| ANNEX 4 | ENVIRONMENTAL SENSORS | **D. McGilvray**, H. Klindt, L. Gourmelen |
| ANNEX 5 | ELECTRO-OPTICAL EQUIPMENT | **I. Solari,**  J. Davis |
| ANNEX 6 | RADIO DIRECTION FINDERS | **D. Oblizanov,** R. Strenge |
| ANNEX 7 | LONG RANGE SENSORS | **R. Sukhin**, S. Guest, R. Aase |
| ANNEX 8 | RADIO COMMUNICATIONS | **R. Townsend**, L. Gourmelen, T. Montor |
| ANNEX 9 | DATA PROCESSING | **R. Hogendoorn**, W. Palka, D. Oblizanov, R.Gallen, S. Inoue |
| ANNEX 10 | DATA DISPLAY | **S. Guest,** R. Hogendoorn, R Gallen |
| ANNEX 11 | DECISION SUPPORT | **R. Gallen,** S. Guest |
| ANNEX 12 | EXTERNAL INFORMATION EXCHANGE | **R. Hogendoorn**, D. Oblizanov, R. Gallen |
| ANNEX 13 | VERIFICATION AND VALIDATION | **J-C. Pedersen** ( to be addressed later on ) |

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

The IALA Recommendation on the Inter-VTS Exchange Format Service (IVEF) was approved by Council. The working group considered this task to be complete. Any further work will be done within the scope of V-128 (Annex 12).

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

The liaison note from the e-NAV Committee (VTS33/9/3) was discussed. It was recognized that more study of the existing IALA Maritime Radio Communications Plan and the IALA World-wide Radio Navigation Plan was needed. Members of the working group are invited to consider these documents before VTS34 where the subject will be completed.

## Review of Guideline 1026 – AIS as a VTS Tool (Task 5b.ii)

The review of guideline 1026 resulted in a liaison note to Council with an advice to withdraw the document, because the information contained in the document is incomplete, at places incorrect and almost entirely covered by the information in the VTS manual and Recommendation V-128. The part of the document that is not covered will be added to the updated V-128.

Task 5bii is considered complete.

Action item

The Secretariat is requested to forward VTS33/output/4 (Liaison note on the review of IALA Guideline 1026 – AIS as a VTS tool) to Council and the e-NAV Committee.

If approved by the Council, the Secretariat is requested to delete IALA Guideline 1026 from the list of IALA publications.

## Review of Recommendation V-102 Application of the “User Pays” Principle to VTS (Task 5a.i)

The review of recommendation V-102 resulted in a liaison note to secretariat with the conclusion that the document is still relevant and no update is needed.

Task 5a.i is considered complete.

Action item

The Secretariat is requested to note the results of the review of V-102, as stated in VTS33/output/5.

## Response to input paper VTS33/9/8

From the review of input paper VTS33/9/8, the conclusion was drawn that VTSOs should be made aware that VHF voice communication may interfere with AIS transmissions.

Action item

Working Groups 1 and 3 are requested to note the conclusion that VHF voice communication may interfere with AIS transmissions.

# Working Group 3 – Personnel & Training

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

The WG was requested by WG1 to review Annex 2 of IMO Resolution A.857(20) and have commenced the review and update - to continue VTS34.

## Review Recommendations & Guidelines (Tasks 5.b.i\*, 5.b.iii\* & 5.b.iv\*)

This is an on-going process.

## Develop Model Courses (V-103) on the provision of NAS, refresher training and training the trainer (Task 9\*)

The Committee decided that the development of Model Courses on NAS and Refresher Training should not be progressed. Although the topic of NAS is covered in the Model Course V-103/1 (VTSO Training), it should be further amplified during the course with more enhanced training during the OJT period at the VTS centre where the VTSO is operationally employed.

Refresher training is dynamic and it is therefore difficult to produce such a model course. It was decided that a Guideline on the subject would be more beneficial and Revalidation could also be included.

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

Work has started on a review of SMCP and will be proposing changes in due course.

## 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\*)

A position Paper was sent to PAP after VTS32. After consulting with Jean-Charles Leclair it has been decided to produce an output Paper for VTS34.

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

An Output paper on this topic VTS33/output/6 (VTS Training in STCW for Navigating Officers) was produced.

Action item

Jean-Charles Leclair is requested to convert VTS33/output/6 into a format suitable for submission to STW.

The Secretariat is requested to forward the revised VTS33/output/6 to PAP, with a view its approval.

If approved, the Secretariat is requested to forward the revised VTS33/output/6 to Council, with a view to approval for submission to IMO (STW).

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

This Task has been considered and it has been decided that a separate VTS Training Manual may be useful but will take time to develop. IALA has already produced a VTS Training Manual on DVD but this is purely a list of documentation. The 'new' VTS Training Manual will need to be more comprehensive.

## Draft revised Guideline 1014

In order to be consistent with the wording in the 2010 Manila STCW amendments, it was decided to change the wording contained in this Guideline to reflect the format chosen by STW in so much that **Courses are Approved** and **Institutions/Organizations are Accredited**. The original Guideline was approved prior to the 2010 Conference

Action item

Committee members are requested to comment on the draft Guideline on the Accreditation and Approval process for VTS Training (VTS33/output/2) by 21 October to the Secretariat, with copy to Terry Hughes and the Chairman.

If required, Terry Hughes is requested to revise VTS/output/2 (on the Accreditation and Approval process for VTS Training) and then submit it to the Secretariat for submission to Council.

If able to be finalised, the Secretariat is requested to forward VTS33/output/2 (on the Accreditation and Approval process for VTS Training) to Council, for approval.

# Working Group 4 VTM

## Define the concept and develop the scope of the VTM, including role of VTS in VTM and support to ship and port security and other services. (In consultation with e-NAV, and focusing on the VTS/VTM related architecture and specifying the VTS/VTM functional requirements.) (Task 1\*)

At the request of the Chairman of the VTS Committee and based on discussions with the Secretary-General and the Chairman of the ad hoc Council member group on VTM (Council51) preceding VTS33, the VTM Working Group worked the entire week on a special task to support to the work of the ad hoc Council member group.

Drafts were made of

* an overall informative document covering all relevant information on VTM/MATCH (incl. abstracts of Committee output documents, working papers and relevant addressed issues during the development process);
* a possible outline towards a roadmap for the further development of the concept;
* a review of the Communication Strategy Plan;
* a proposal for a workshop with a focus on informing and discussion with (non-) governmental maritime organisations and agencies on participation in the development of the VTM/MATCH concept.

The work will be finalized by correspondence one week after VTS33 and after his review the Chair of the VTS Committee will send the documents to the Chair of the ad hoc Council member Group. Following this the final results will be made available on the ftp-server to the members of the VTS Committee.

# Future Work Programme (2014 – 2018)

There were no input papers, however, see item 10.6.2. The Chairman asked that all members give further thought to what they would like to see in the 2014 – 2018 Work Programme.

Action item

Members are requested to provide input to agenda item 13 (Future Work Programme (2014 – 2018) at VTS34.

# 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 these documents, as indicated earlier in the report.

The Chairman then thanked all of the Working Group Chairmen for their reports and the members of the Working Groups for their hard work during the meeting.

# Any Other Business

## Workshops & Seminars (2010 – 2014)

The Secretary explained the need for forward planning in making arrangements for workshops and seminars, particularly as more are being planned for this work programme than were arranged for the last one. The Committee was asked to be in a position to submit the requests for the remaining two ‘VTS’ events by the end of VTS34. There were some queries about where the requirements for future workshops / seminars had arisen and the Secretary showed the initial bids from Committees that had been approved, in principle, by the Council.

In discussion it was agreed that a Training workshop in India was a good idea as it offered an opportunity for spreading IALA’s expertise into a region that had not yet been visited by a training workshop. The Chairman of WG3 offered to take the lead in planning for this event.

Action item

The Chairman of WG3 is requested to co-ordinate the initial planning for the training workshop and prepare a workshop application for approval by the Committee at VTS34.

It was also suggested that there may be merit in combining the proposed e-NAV workshop on portrayal, currently planned for early March 2012, with the maritime surface picture workshop, currently envisaged for March 2013. The Chairman of WG1 offered to take the lead in planning for this event.

Action item

The Chairman of WG1 is requested to co-ordinate the initial planning for the maritime surface picture workshop and prepare a workshop application for approval by the Committee at VTS34.

The Chairman said that the programme of workshops and seminars would be discussed at PAP22.

## Terms of Reference of Working Groups

Papers VTS33/14/4 – 7 refer.

The terms of reference drafted during VTS32 were converted to a common format by the Vice-Chairman of the Committee. They were reviewed and approved by the Committee, subject to minor amendments to the ToR for WG2, which will be agreed outside the meeting.

## List of accredited training institutes

Paper VTS33/10/2 refers.

The Chairman requested that all Committee members provide their national information to VTS34, so that VTS33/10/2 could be updated. It was noted that National Competent Authorities should hold this information and may also have access to the relevant certifications.

The Chairman also asked that members establish whether their National Competent Authority required VTSO training to be mandatory and be ready to provide this information at VTS34.

Action items

Committee members are requested to establish which training organisation have been accredited by their National Competent Authority and report this information to VTS34.

Committee members are requested to obtain copies of VTS Training Organisation certificates, if available.

Committee members are requested to establish whether their National Competent Authority requires mandatory training for VTSOs and report this information to VTS34.

## IALA NAVGUIDE

Papers VTS33/14/1 – 3 refers.

It was agreed that there needed to be a focal point for the conduct of this work and it was further agreed that WG1 should take on the role. A request for a new Work Item has been included at Annex G.

## e-Navigation Architecture ‘picture book’

Paper VTS33/14/8 refers.

It was agreed that the document is too complex for a layman and supported the Council’s view that a simplified document is still required, noting that only IMO approved diagrams should be used.

## Relocation of e-NAV6 WG6 – Information Portrayal

The proposal was discussed in plenary and had little support, although it was recognised that some of the work of the e-NAV Committee’s WG6 (Information Portrayal) would complement work in the VTS Committee’s WG1 (Operations) and WG2 (Technical). On this basis, a liaison note was drafted (VTS33/output/7).

Action item

The Secretariat is requested to forward VTS33/output/7 (Proposed relocation of information Portrayal WG from the e-NAV Committee to the VTS Committee) to both the e-NAV Committee and the PAP.

## Timing of the report of Council meetings

It was requested that the reports of Council meetings be available much earlier than is becoming the custom, as this might affect papers being input to the meeting. The Secretary said that the issue was already recognised and that it is the intention that future reports would be available within 14 days of the end of a Council meeting.

Action item

The Secretariat is requested to provide reports of future Council meetings within 14 days of the end of the meeting.

# Review of Session Report

The report of the meeting (VTS33/output/1) was reviewed and approved by the Committee.

Action Item

The Secretariat is requested to forward the report of VTS33 (VTS33/output/1) to the IALA Council, to note.

# Date and venue of next meeting

VTS34 is expected to meet from 19 – 23 March 2012 at IALA. It was agreed that the first day of the meeting would take the following form:

Pre-meeting starts at 0900

Pre meeting ends at 1200

Opening plenary starts at 1300

Coffee break at 1500 – 1530

Working Groups start at 1530

End of day 1730

# Closing of the Meeting

The Chairman introduced the Secretary-General, who apologised for his absence on business for most of the week. He then welcomed the Committee to the new offices before saying that he understood that the week had been most productive. He thanked the Committee for their hard work and hoped that they had enjoyed their first visit to the new accommodation, despite the need to rectify some teething challenges. He then wished everyone a safe journey home.

The Chairman first asked if there were any final comments that members wished to make; there were none. He then thanked all the VTS Committee members for their hard work and then thanked the WG Chairmen and Vice Chairmen and the Committee Vice Chairman, the Secretary and the Secretariat, to whom small presentations were made. He then also wished everyone and pleasant and safe journey home.

# List of Annexes

1. Agenda

A copy of the agenda is at Annex A.

1. Participants

A list of VTS33 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. Revision of the Work Programme

An updated VTS Committee Work Programme for 2010-2014 is at Annex G.

1. Presentation by Cdr Sakamoto.

The script for Cdr Sakamoto’s presentation is at Annex H.

1. VTS33 Agenda

**33nd Meeting of the Vessel Traffic Services Committee**

The 33rd meeting of the **VTS Committee** will be held from 19 – 23 September 2011, at IALA.

The opening plenary will commence at 1400 on Monday 19 September, and the closing plenary will end at approximately 1300 on Friday 23 September.

Committee Chair, Vice-Chair and Working Group Chairpersons are requested to meet at 1000 on Monday 19 September.

Work items / Tasks being addressed during this meeting are listed in the final table of Annex G of the report of the previous meeting, which was included in the initial invitation to this meeting.

Change from VTS32

**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. IALA Council – 51st Session, June 2011
   2. IMO – MSC89, May 2011
   3. IMO - NAV57, June 2011
   4. PAP21, April 2011
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. Presentations (15 minutes)
   1. Decision Making Tools for VTSO Cdr Hisao Sakamoto
   2. World-Wide Academy Jean-Charles Leclair
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\*)
   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\*)
   3. Update the VTS Manual (Task 4\*)
   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\*)
   6. Produce Guidelines on the provision of VTS Types of Service Produce Guidelines on the provision of VTS Information Services and VTS Traffic Organization Services (Task 10\*)
   7. Produce a Guideline on VTS support / interaction in emergency response, law enforcement, regulatory compliance, SAR and disaster management, including VTS initiated NAS, in consideration of VTM developments (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\*)
9. Working Group 2 – Technical (WG2)
   1. Review Recommendations & Guidelines (Tasks 5.a.i\* & 5.b.ii\*)
   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/VTM requirements for networking and information exchange (Task 7\*)
   4. Specify VTS and other VTM related user needs in relation to the allocation of the radio frequency spectrum, for further delivery to the IMO and ITU (Task 17\*)
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 the provision of NAS, refresher training and 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\*)
    4. Produce a recommendation on training and certification standards for Navigating Officers participating in a VTS for further delivery to IMO (Task 16\*)
    5. Consider developing a separate and distinct VTS Training Manual to complement the V-103 Model courses (Task 18\*)
11. Working Group 4 – VTM (WG4)
    1. Define the concept and develop the scope of the VTM, including the role and position of VTS in VTM and support to ship and port security and other services. (In consultation with e-NAV, and focusing on the VTS/VTM related architecture and specifying the VTS/VTM functional requirements.) (Task 1\*)
12. Future Work Programme (2014 – 2018)
13. Review of output and working papers
14. Any Other Business
    1. Workshops & Seminars (2010 – 2014)
    2. Terms of Reference of Working Groups
    3. List of certified training institutes
    4. IALA NAVGUIDE
    5. e-Navigation Architecture ‘picture book’
    6. Relocation of e-NAV6 WG6 – Information Portrayal
15. Date and venue of next meeting
16. Review of session report
17. VTS32 Participants

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1. List of input papers for VTS33

**List of Input Papers**

**VTS33**

**19 to 23 September, 2011**

**All papers are posted on the FTP server**

**Items highlighted are not on the Committee website.**

1. Approval of the agenda

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **Presented by:** | **Posting** |
| VTS33/1/1 rev2 | Agenda | T Çehreli (TC) | 6 |
| VTS33/1/2 | Programme for VTS33 | TC/IALA |  |

1. Review of action items from last meeting

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **Presented by:** | **Posting** |
| VTS33/2/1 | Action Items from VTS32 | TC / IALA | 1 |

1. Review of input papers

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **Presented by:** | **Posting** |
| VTS33/3/1 rev5 | List of Input Papers | TC / IALA | 6 |

1. Reports from other bodies

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | | **Title / Author (if required)** | **Presented by:** | **Posting** |
| VTS33/4/1 | IALA Council 51st Session | | TC / IALA | 4 |
| VTS33/4/2 | MSC89 Report | | TC / IALA | 1 |
| VTS33/4/3 | NAV57 Report | | TC / IALA | 2 |
| VTS33/4/4 | PAP21 Report | | TC / IALA | 1 |

1. Reports from rapporteurs

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **Presented by:** | **Posting** |
| VTS33/5/1 | Developments in e-learning, IALA WW Academy (M1) |  |  |
| VTS33/5/2 | Use and impact of risk and decision making tools (M2) |  |  |
| VTS33/5/3 | Liaison with e-Navigation Committee (M3) |  |  |
| VTS33/5/4 | Usage of the World VTS Guide (M4) |  |  |
| VTS33/5/5 | IALA Dictionary (M5) | TC | 3 |

1. Presentations
2. Establish Working Groups
3. Working Group 1 – Operations (WG1)
   1. Develop criteria, guidance or general provisions on establishing vessel traffic management measures, including VTS beyond territorial seas, to include a clarification of the difference between a VTS and a ship reporting system operated by a VTS and operated as a VTS (Task 2\*)
   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\*)
   3. Update the VTS Manual (Task 4\*)
   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\*)
   6. Produce Guidelines on the provision of VTS Types of Service Produce Guidelines on the provision of VTS Information Services and VTS Traffic Organization Services (Task 10\*)
   7. Produce a Guideline on VTS support / interaction in emergency response, law enforcement, regulatory compliance, SAR and disaster management, including VTS initiated NAS, in consideration of VTM developments (Task 11\*)
   8. Produce a Guideline onthe 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\*)

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **WG** | **Posting** |
| VTS33/8/1 | VTS Manual revision – draft Terms of Reference | 1 | 1 |
| VTS33/8/2 | IALA VTS Manual 2008-2012 | 1 | 1 |
| VTS33/8/3 | IMO Resolution A.857(20) review | 1 | 1 |
| VTS33/8/4 | Draft Guideline on service types | 1 | 1 |
| VTS33/8/4 rev1 | Draft Guideline on service types – reformatted | 1 | 2 |
| VTS33/8/5 | Suggested changes to IMO Resolution A.918(22) – SMCP | 1 | 1 |
| VTS33/8/6 | Navigational Assistance Service / Navigational Safety Service | 1 | 2 |
| VTS33/8/7 | U.S. Coast Guard 2011 VTS Centre Staffing Level – moved to VTS33/10/14 | 1 | 3 |
| VTS33/8/8 | Types of Service – Australia | 1 | 3 |
| VTS33/8/9 | Australia’s comments on VTS32-WG1-WP2 Draft Guideline on service types (Task 10) | 1 | 3 |
| VTS33/8/10 | Interference between AIS and radio mobile – see VTS33/9/8 | 1 | 4 |
| VTS33/8/11 | Draft VTS Manual – 2012 | 1 | 6 |

1. Working Group 2 – Technical
   1. Review Recommendations & Guidelines (Tasks 5.a.i\* & 5.b.ii\*)
   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/VTM requirements for networking and information exchange (Task 7\*)
   4. Specify VTS and other VTM related user needs in relation to the allocation of the radio frequency spectrum, for further delivery to the IMO and ITU (Task 17\*)

| **Number** | **Title / Author (if required)** | **WG** | **Posting** |
| --- | --- | --- | --- |
| VTS33/9/1 | Liaison note from WG4 on Data Structures | 2 | 1 |
| VTS33/9/2 | Liaison note from WG4 on Maritime Information Systems (MIS) Scope and Focus | 2 | 1 |
| VTS33/9/3 | Liaison note from e-NAV9 - Frequency spectrum | 2 | 1 |
| VTS33/9/4 | V-128 Ed 4 Operational and Technical Performance Requirements for VTS Equipment – draft - preVTS32 | 2 | 1 |
| VTS33/9/4 rev1 | V-128 Ed 4 Operational and Technical Performance Requirements for VTS Equipment – draft - preVTS32 - reformatted | 2 | 2 |
| VTS33/9/5 | V-128 Ed 4 Operational and Technical Performance Requirements for VTS Equipment – Annex 9 | 2 | 1 |
| VTS33/9/6 | V-128 Ed 4 Operational and Technical Performance Requirements for VTS Equipment – Annex 9.1 | 2 | 1 |
| VTS33/9/7 | WG2 Work Plan | 2 | 1 |
| VTS33/9/8 | Interference between AIS and radio mobile | 2 | 5 |

1. Working Group 3 – Personnel & Training
   1. Review Recommendations & Guidelines (Tasks 5.b.i\*, 5.b.iii\* & 5.b.iv\*)
   2. Develop Model Courses (V-103) on incident response, the provision of NAS, simulation, refresher training and 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\*)
   4. Produce a recommendation on training and certification standards for Navigating Officers participating in a VTS for further delivery to IMO (Task 16\*)
   5. Consider developing a separate and distinct VTS Training Manual to complement the V-103 Model courses (Task 18\*)

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **WG** | **Posting** |
| VTS33/10/1 | WG3 input to the IALA dictionary | 3 | 1 |
| VTS33/10/2 | IALA Accredited Training Institutions, 9Jun10 | 3 | 1 |
| VTS33/10/3 | Liaison Note from WG1 on Review of Annex 2 of Resolution A857 (20) | 3 | 1 |
| VTS33/10/4 | IALA Guideline 1027, as revised at VTS32 | 3 | 1 |
| VTS33/10/4 rev1 | IALA Guideline 1027, as revised at VTS32 - reformatted | 3 | 2 |
| VTS33/10/5 | Model Course V-103-5 NAS draft - VTS32 | 3 | 1 |
| VTS33/10/6 | Model Course V-103-6 Train the trainer draft - VTS32 | 3 | 1 |
| VTS33/10/7 | Model Course V-103-7 Refresher training draft - VTS32 | 3 | 1 |
| VTS33/10/8 | ICAO Annex 1 without Forward | 3 | 2 |
| VTS33/10/9 | Forward to ICAO Annex 1 | 3 | 2 |
| VTS33/10/10 | ICAO Annexes overview | 3 | 2 |
| VTS33/10/11 | Convention on ICAO Annexes | 3 | 2 |
| VTS33/10/12 | Convention on ICA Annex 1 status files | 3 | 2 |
| VTS33/10/13 | Draft Model Course template | 3 | 4 |
| VTS33/10/14 | U.S. Coast Guard 2011 VTS Centre Staffing Level – previously VTS33/8/7 | 3 | Late |

1. Working Group 4 - VTM
   1. Define the concept and develop the scope of the VTM, including the role and position of VTS in VTM and support to ship and port security and other services. (In consultation with e-NAV, and focusing on the VTS/VTM related architecture and specifying the VTS/VTM functional requirements.) (Task 1\*)

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **WG** | **Posting** |
| VTS33/11/1 | Draft Liaison note to Chair VTS e-Navigation plan | 4 | 1 |

1. Future Work Programme (2010 – 2014)

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **WG** | **Posting** |
| VTS33/12/1 |  |  |  |

1. Review of output and working papers
2. Any Other Business

|  |  |  |  |
| --- | --- | --- | --- |
| **Number** | **Title / Author (if required)** | **WG** | **Posting** |
| VTS33/14/1 | Liaison Note from ANM on the NAVGUIDE | 1 | 1 |
| VTS33/14/2 | NAVGUIDE Action Plan | 1 | 1 |
| VTS33/14/3 | NAVGUIDE Timetable | 1 | 1 |
| VTS33/14/4 | WG1 - Draft Terms of Reference | 1 | 1 |
| VTS33/14/5 | WG2 - Draft Terms of Reference | 2 | 1 |
| VTS33/14/6 | WG3 - Draft Terms of Reference | 3 | 1 |
| VTS33/14/7 | WG4 - Draft Terms of Reference | 4 | 1 |
| VTS33/14/8 | e-Navigation Architecture 'PictureBook' Information Paper – Recommendation e-NAV-140 | 2 | 1 |
| VTS33/14/9 | Information Portrayal ToR |  | 2 |
| VTS33/14/10 | Information Portrayal Work Plan |  | 2 |
| VTS33/14/11 | Ship and Shore VHF installations - interference between AIS and radio mobile – see VTS33/8/10 | 2 | 3 |
| VTS33/14/11 rev1 | Ship and Shore VHF installations - interference between AIS and radio mobile | 2 | 4 |

**Information Papers**

|  |  |  |
| --- | --- | --- |
| **Number** | **Title / Author (if required)** | **Posting** |
| VTS33/INF/1 | Meeting dates (2010 – 2014), following Council 51 | 2 |
| VTS33/INF/2 | Rules of Procedure for IALA Committees (2010-2014) , following Council 51 | 2 |
| VTS33/INF/3 | IALA Document Quality Assurance Process, following Council 51 | 2 |

1. Date and venue of next meeting
2. Review of session report
3. 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 |
| VTS33/output/1 | Draft Report | To Council to note |
| VTS33/output/2 | Draft revised Guideline 1014 Accreditation and Approval Process for VTS Training | To Council for approval |
| VTS33/output/3 | Liaison note to Council on VTS Beyond Territorial Seas | To Council for decision |
| VTS33/output/4 | Liaison Note to Council & e-NAV on Guideline 1026 | To Council for approval  To e-NAV10 to note |
| VTS33/output/5 | Liaison Note to Secretariat on V-102 - User Pays Principle | To Secretariat to note |
| VTS33/output/6 | Liaison Note to Secretariat - VTS Training in STCW for Navigating Officers | To Secretariat for preparation for PAP & Council |
| VTS33/output/7 | Liaison note to the e-NAV Committee on the proposed relocation of the Information Portrayal WG from the e-NAV Committee to the VTS Committee | To e-NAV10 to note |
| VTS33/output/8 | Liaison note to PAP - IALA Dictionary | To editor of the IALA Dictionary for action |

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

|  |  |  |
| --- | --- | --- |
| Number | Title | Status |
| VTS33/WG1/WP1 | Draft A857 review | To VTS34 |
| VTS33/WG1/WP2 | Draft Guideline on Provision of Vessel Traffic Service | To VTS34 |
| VTS33/WG1/WP3 | Draft on Auditing of VTS Centres | To VTS34 |
| VTS33/WG1/WP4 | Draft review of V-125 Ed2 - on use and presentation of symbology (including AIS) at a VTS Centre | To VTS34 |
| VTS33/WG1/WP5 | Suggested changes to IMO Resolution A.918(22) | To VTS34 |
|  |  |  |
| VTS33/WG2/WP1 | Draft V-128 | To VTS34 |
|  |  |  |
| VTS33/WG3/WP1 | Draft V-103/5 Model course – train the trainer | To VTS34 |
| VTS33/WG3/WP2 | Draft revised VTS Manual 2012 | To members for comment and VTS34 |
|  |  |  |
| VTS33/WG4/WP1 |  | To VTS34 |
|  |  |  |
| VTS Manual |  | To VTS34 |

1. Action Items

Action Items for Secretariat

1. The Secretariat is requested to revise VTS33/output/8 (Liaison note to the editor of the IALA Dictionary) to show the sources of definitions it contains. 9
2. The Secretariat is requested to forward the revised version of VTS33/output/8 (Liaison note to the editor of the IALA Dictionary) to the editor. 9
3. The Secretariat is requested to forward VTS33/output/3 (liaison note requesting further guidance on VTS beyond territorial seas) to Council. 11
4. The Secretariat is requested to forward VTS33/WG1/WP1 (draft revision of A.857 (20)) to VTS34 11
5. The Secretariat is requested to forward VTS33/WG1/WP4 (draft revision of V-125 on the use and presentation of symbology) to VTS34. 11
6. The Secretariat is requested to forward VTS33/WG1/WP2 (draft Guideline on Provision of Vessel Traffic Services (INS, NAS and TOS)) to VTS34. 12
7. The Secretariat is requested to draw Council’s attention to the proposed renaming of Task 11 (on VTS support and interaction with Allied Services) for approval. 12
8. The Secretariat is requested to forward VTS33/WG1/WP3 (on assessing and auditing the overall performance of VTS Centres) to VTS34. 13
9. The Secretariat is requested to forward VTS33/WG1/WP5 (SMCP suggested changes to A.918(22)) to VTS34. 13
10. The Secretariat is requested to forward VTS33/output/4 (Liaison note on the review of IALA Guideline 1026 – AIS as a VTS tool) to Council and the e-NAV Committee. 15
11. If approved by the Council, the Secretariat is requested to delete IALA Guideline 1026 from the list of IALA publications. 15
12. The Secretariat is requested to note the results of the review of V-102, as stated in VTS33/output/5. 15
13. Jean-Charles Leclair is requested to convert VTS33/output/6 into a format suitable for submission to STW. 16
14. The Secretariat is requested to forward the revised VTS33/output/6 to PAP, with a view its approval. 16
15. If approved, the Secretariat is requested to forward the revised VTS33/output/6 to Council, with a view to approval for submission to IMO (STW). 16
16. If able to be finalised, the Secretariat is requested to forward VTS33/output/2 (on the Accreditation and Approval process for VTS Training) to Council, for approval. 17
17. The Secretariat is requested to forward VTS33/output/7 (Proposed relocation of information Portrayal WG from the e-NAV Committee to the VTS Committee) to both the e-NAV Committee and the PAP. 19
18. The Secretariat is requested to provide reports of future Council meetings within 14 days of the end of the meeting. 19
19. The Secretariat is requested to forward the report of VTS33 (VTS33/output/1) to the IALA Council, to note. 19

Action Items for Members

1. Committee members are requested to submit information papers to VTS34 with examples of VTS support / response to emergency situations and regulatory enforcement. 7
2. WG3 members are requested to provide input for the draft model course ‘train the trainer’ in time for VTS34. 7
3. Committee members are requested to note the timetable for the production of the VTS Manual and provide the information, comments and photographs requested. 11
4. Committee Members are requested to review VTS33/WG1/WP4 with a view to finalising the document at VTS 34. 11
5. The Committee Vice Chair and Working Group 1 Chair are requested to prepare a short input paper to inform VTS34 about progress with Task 3. 12
6. National members are requested to consider supporting an IMO submission requesting review of SMCP as a whole. 13
7. Working Groups 1 and 3 are requested to note the conclusion that VHF voice communication may interfere with AIS transmissions. 16
8. Committee members are requested to comment on the draft Guideline on the Accreditation and Approval process for VTS Training (VTS33/output/2) by 21 October to the Secretariat, with copy to Terry Hughes and the Chairman. 17
9. If required, Terry Hughes is requested to revise VTS/output/2 (on the Accreditation and Approval process for VTS Training) and then submit it to the Secretariat for submission to Council. 17
10. Members are requested to provide input to agenda item 13 (Future Work Programme (2014 – 2018) at VTS34. 18
11. The Chairman of WG3 is requested to co-ordinate the initial planning for the training workshop and prepare a workshop application for approval by the Committee at VTS34. 18
12. The Chairman of WG1 is requested to co-ordinate the initial planning for the maritime surface picture workshop and prepare a workshop application for approval by the Committee at VTS34. 18
13. Committee members are requested to establish which training organisation have been accredited by their National Competent Authority and report this information to VTS34. 19
14. Committee members are requested to obtain copies of VTS Training Organisation certificates, if available. 19
15. Committee members are requested to establish whether their National Competent Authority requires mandatory training for VTSOs and report this information to VTS34. 19
16. Revision of the Work Programme (2010 - 2014)

Approved by IALA Council – June 2011

(Changes made/suggested at VTS33 are highlighted in yellow)

The VTS Committee deals with all aspects of VTS, including the expanding role of vessel monitoring with respect to maritime safety, environmental protection and security. In the work of the Committee, the following general aspects are to be taken into consideration:

* IALA Strategy;
* Integration & harmonisation;
* Regional & global aspects;
* Harmonized use of Definitions and Terms;
* Concepts associated with Risk Assessment / Management;
* Work Programme 2010 – 2014

| Task | Estimated number of sessions | Comments | Strategy Element |
| --- | --- | --- | --- |
| 1. Define the concept and develop the scope of the VTM, including the role and position of VTS in VTM and support to ship and port security and other services. (In consultation with e-NAV, and focusing on the VTS/VTM related architecture and specifying the VTS/VTM functional requirements.) | 4 |  | 13.1 & 13.4. Also  3.3, 3.4, 3.5, 5.1, 5.2, 5.6, 5.7, 10.1, 10.4, 10.11, 12.1, 13.5, 15.1, 15.2 & 15.3 |
| 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. | 4 |  | 5.7, 11.3 |
| 1. 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. | 3 |  | 1.2, |
| 1. Update the VTS Manual. | 3 |  |  |
| 1. Review VTS Recommendations and Guidelines to ensure consistency with the VTS Manual including:    1. Recommendations:       1. V-102 on the Application of the User Pays Principle to VTS (dated 03/1998);       2. V-120 on Vessel Traffic Services in inland waters (dated 06/2001);       3. V-125 on the use and presentation of symbology (dated 12/2004); and       4. V-127 on VTS Operating Procedures (dated 06/2004).    2. Guidelines:       1. 1017 Training Requirements for VTS Personnel (dated 06/2001);       2. 1026 AIS as a VTS Tool (dated 12/2001);       3. 1027 Simulation in VTS Training (dated 06/2002)       4. 1045 Staffing Levels at VTS Centres (dated 12/2005) | 1  2  2  4  3  3  4  4 |  | 3.4  5.5  3.4, 5.3, 5.8, 10.4, 13.2, 13.6, 15.3, 18.1  3.4, 5.3, 5.8, 10.4, 13.2, 13.6, 15.3, 18.1  3.4, 5.3, 5.8, 10.4, 13.2, 13.6, 15.3, 18.1 |
| 1. Review V-128 – Operational and Technical Performance Requirements for VTS Equipment:    1. Annex 2 – Performance Requirements on radar, including the effect of offshore installations (such as wind farms)    2. Annex 3 – Performance Requirements - (AIS), to include Class B & Inland AIS    3. Annex 6 – Performance Requirements – CCTV (Electro-optical equipment)    4. Annex 7 – Performance Requirements - Direction Finding (DF) equipment.    5. Annex 8 – DGNSS and additional positioning services equipment.    6. Annex 9 – Equipment for transfer of data between VTS centres (to include international VTS data exchange) | 6 |  | 5.1, 5.2 |
| 1. Produce a Recommendation on harmonized functional VTS/VTM requirements for networking and information exchange. | 5 |  | 3.3, 5.1, 5.2, 13.5 |
| 1. Produce a Recommendation on standard nomenclature (i.e. radio call signs) for use when referring to a VTS Centre. | 2 |  |  |
| 1. Develop Model Courses (V-103) on:    1. the provision of NAS;    2. refresher training; and    3. training the trainer. | 6 |  | 3.4, 5.8, 10.4, 15.3, 18.1 |
| 1. Produce Guidelines on the provision of VTS Types of Service. | 5 | To include slot management. | 5.4, 10.4 |
| 1. Produce a Guideline on VTS support and interaction with allied services in emergency situations, SAR, disaster management, law enforcement and regulatory compliance Produce a Guideline on VTS support / interaction in emergency response, law enforcement, regulatory compliance, SAR and disaster management, including VTS initiated NAS, in consideration of VTM developments. | 5 |  | 5.5 |
| 1. Produce a Guideline onthe use of decision support tools in VTS. | 2 |  | 5.5 |
| 1. 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. | 5 |  | 5.4, 10.1, 10.7 |
| 1. Review SMCP as it relates to VTS and communicate suggested changes to IMO. | 4 |  | 5.3 |
| 1. 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 | 2 |  | 10.4, 10.8, 15.3 |
| 1. Produce a recommendation on training and certification standards for Navigating Officers participating in a VTS for further delivery to IMO. | 3 |  | 15.3 |
| 1. Specify VTS and other VTM related user needs in relation to the allocation of the radio frequency spectrum, for further delivery to the IMO and ITU. | 4 |  |  |
| 1. Consider developing a separate and distinct VTS Training Manual to complement the V-103 Model courses. | 5 |  | 3.4, 5.3, 10.4 |
| 1. Co-ordinate work required to update the NAVGUIDE | 4 |  |  |
| 1. Produce a Guideline on refresher training and revalidation | 4 |  | 3.4, 5.8, 10.4, 15.3, 18.1 |

Monitoring Items

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Duration | Rapporteur | Strategy Element(s) |
| M1 Developments in e-learning, IALA World Wide Academy | Continuous |  |  |
| M2 Use and impact of risk and decision making tools | Continuous |  |  |
| M3 Liaison with the e-Navigation Committee | Continuous |  |  |
| M4 Usage of the World VTS Guide | Continuous | Paul Owen |  |
| M5 IALA Dictionary | Continuous | Tuncay Çehreli |  |

Deferred Items

|  |  |  |  |
| --- | --- | --- | --- |
| Task | No. of sessions | Comment | Strategy Element(s) |
| D1 None at this time |  |  |  |

**VTS Committee Work Plan - 2010 – 2014 X** = OPS, **X** = T, **X** = P&T, **X** = VTM and **X** = Committee

| Task | Session | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| 1. Define the concept and develop the scope of the VTM, including role of VTS in VTM and support to ship and port security and other services. (In consultation with e-NAV, and focusing on the VTS/VTM related architecture and specifying the VTS/VTM functional requirements.) | **X** | **X** | **X** | **X** | **X** | **X** |  |
| 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. | **X** | **X** | **X** | **X** |  |  |  |
| 1. 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. |  |  | **X** | **X** | **X** |  |  |
| 1. Update the VTS Manual. | **X** | **X** | **X** |  |  |  |  |
| 1. Review VTS Recommendations and Guidelines to ensure consistency with the VTS Manual including:    1. Recommendations:       1. V-102 on the application of the User Pays Principle to VTS (dated 03/1998); WG2       2. V-120 on Vessel Traffic Services in inland waters (dated 06/2001); WG1       3. V-125 on the use and presentation of symbology (dated 12/2004); and WG1       4. V-127 on VTS Operating Procedures (dated 06/2004). WG1    2. Guidelines:       1. 1017 Training Requirements for VTS Personnel (dated 06/2001); WG3       2. 1026 AIS as a VTS Tool (dated 12/2001); WG2       3. 1027 Simulation in VTS Training (dated 06/2002); WG3       4. 1045 Staffing Levels at VTS Centres (dated 12/2005). WG3 | **X**  **X** | **X**  **X**  **X** | **X**  **X**  **X**  **X**  **X**  **X** | **X**  **X**  **X**  **X**  **X** | **X**  **X**  **X**  **X** | **X**  **X**  **X**  **X** |  |
| 1. Review V-128 – Operational and Technical Performance Requirements for VTS Equipment:    1. Annex 2 – Performance Requirements on radar, including the effect of offshore installations (such as wind farms)    2. Annex 3 – Performance Requirements - (AIS), to include Class B & Inland AIS    3. Annex 6 – Performance Requirements – CCTV (Electro-optical equipment)    4. Annex 7 – Performance Requirements - Direction Finding (DF) equipment.    5. Annex 8 – DGNSS and additional positioning services equipment.    6. Annex 9 – Equipment for transfer of data between VTS centres (to include international VTS data exchange) | **X** | **X** | **X** | **X** | **X** |  |  |
| 1. Produce a Recommendation on harmonized functional VTS/VTM requirements for networking and information exchange. |  | **X** | **X** |  |  |  |  |
| 1. Produce a Recommendation on standard nomenclature (i.e. radio call signs) for use when referring to a VTS Centre. | **X** | **X** |  |  |  |  |  |
| 1. Develop Model Courses (V-103) on:    1. the provision of NAS;    2. refresher training; and    3. training the trainer. | **X** | **X** | **X** | **X** | **X** | **X** |  |
| 1. Produce Guidelines on the provision of VTS Types of Service. | **X** | **X** | **X** | **X** |  |  |  |
| 1. Produce a Guideline on VTS support and interaction with allied services in emergency situations, SAR, disaster management, law enforcement and regulatory compliance. Produce a Guideline on VTS support / interaction in emergency response, law enforcement, regulatory compliance, SAR and disaster management, including VTS initiated NAS, in consideration of VTM developments. |  |  |  | **X** | **X** | **X** | **X** |
| 1. Produce a Guideline on the use of decision support tools in VTS. |  |  |  |  | **X** | **X** |  |
| 1. 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. |  |  | **X** | **X** | **X** | **X** | **X** |
| 1. Review SMCP, as it relates to VTS, and communicate suggested changes to IMO. | **X** | **X** | **X** | **X** | **X** | **X** |  |
| 1. 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. | **X** | **X** |  |  |  |  |  |
| 1. Produce a recommendation on training and certification standards for Navigating Officers participating in a VTS for further delivery to IMO. | **X** | **X** | **X** |  |  |  |  |
| 1. Specify VTS and other VTM related user needs in relation to the allocation of the radio frequency spectrum, for further delivery to the IMO and ITU. | **X** | **X** | **X** | **X** |  |  |  |
| 1. Consider developing a separate and distinct VTS Training Manual to complement the V-103 Model courses. |  |  | **X** | **X** | **X** | **X** | **X** |
| 1. Co-ordinate work required to update the NAVGUIDE |  |  |  | **X** | **X** | **X** | **X** |
| 1. Produce a Guideline on refresher training and revalidation |  |  |  | **X** | **X** | **X** | **X** |

1. Presentation by Cdr Sakamoto, JCG.

Slide 2

My presentation outline is:

1. Basic Concept of Decision Making.
2. Basic Tools & Progressed function.
3. Training for Decision Making Tools.

Slide 3

Regarding the “IMO Formal Safety Assessment” and “IALA Guideline”, they are very similar and main purpose of them seems like safety measures for Maritime Accidents or such risk mitigation.

For example, deployment of AtoN is useful for safety measures, and the Guideline provides actual steps to our final Decision Making.

On the other side, When we prepare “Decision Making Tools for VTS Operator”, we have to apply the methodology of such Guidelines for VTS personnel manner or VTS Service elements.

Slide 4

When we apply the Risk Management System for VTS Operation, , careless miss or oversight of VTSO, should be considered in Japan.

Because VTS area in Japan is so congested, therefore, all of VTSO have made efforts to avoid near-miss.

In this meaning, we focused on practical CPA/TCPA to recognize risky approach and to prevent VTSO human error.

Slide 5

Last year, Japan Coast Guard revised, Act on Port Regulations and Act on Maritime Traffic Safety, to reinforce the functions of each VTS Centre in Japan.

Regarding this issue, this picture shows increasing work loads of VTSO, therefore supportive decision making tools for VTS Operator is necessary and required.

Slide 6

This VIDEO is of the Kanmon Strait, a typical traffic situation in Japan.

As you know, automatic calculation of CPA/TCPA is one of the decision making tools for VTSOs, but it is unavailable within waters such as the Kanmon Strait because of congestion, winding channels and no Traffic Separation Scheme.

Slide 7

This figure shows the new concept of CPA,TCPA.

As I mentioned, CPA/TCPA is useful in making a risk assessment, but it is unavailable for congested area or winding passage.

Therefore, JCG developed the variable CPA/TCPA function, which depends on directions from own vessel and particular areas.

As a result, a VTS Operator can use the automatic and practical CPA/TCPA alert function on such winding and congested waters as the Kanmon Strait.

Slide 8

These three pictures indicate an automatic alert function which means a kind of automatic risk assessment.

Fig1 shows deviation of the vessel; which alert using deviation detection line.

Fig2 shows overtaking of vessels; which alert uses the new functions such as variable CPA/TCPA calculation.

Fig.3 shows deviation and grounding, which alert uses deviation detection lines.

Slide 9

This sheet indicates second idea for the decision making tool for VTSOs.

Needless to say, incident assessment and learning from actual cases are quite significant to review or improve VTS Services.

Even so, collecting VTS Data, which consists of VHF Audio Data, Radar Tracking Data and Incident Comments, was very tough, taking two or three hours.

Therefore, JCG developed the new function for incident data collection easily. The new function is able to reduce the time taken to collect the data dramatically, from three hours to 15 minutes.

Slide 10

This is the image of progressed Incident Data Collecting function.

A VTSO chooses the Incident Area and designates collecting time by mouse, and clicks the small video clips on the display, all necessary data is composed automatically.

Slide 11

On this page, I introduce the reputation of these new functions.

How about the reception of the automatic alert function using variable CPA/TCPA calculation? The responses of the VTSOs was different, some said : “Good”, and some said : “Ah ha”.

That’s why, regarding risk estimation, each VTSO has a slightly different perspective. However, we are sure that this function will be a powerful tool under the OJT Instructor Training and, further development of Team Resource Management of each VTS center.

Concerned the Incident Data Collecting function, working time was reduced dramatically, however we have establish the methodology to extract the lesson points from the Incidents.

From this point of view, our office has commenced the co-work with the JCG Academy to develop the easy and clear methodology for incident analysis as next steps for the useful incident analysis in Japan.

At last, I can say that the most important thing is not only progressed equipment or functions, but also that robust VTS Services depend on each VTS Operator’s competency. Therefore, appropriate training is significant and indispensable.