



REPORT OF THE 44<sup>TH</sup> SESSION OF THE  
IALA VESSEL TRAFFIC SERVICES  
(VTS) COMMITTEE

25 to 29 September 2017

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## Report of the 44<sup>th</sup> Session of the IALA Vessel Traffic Services (VTS) Committee

### Executive Summary

The 44<sup>th</sup> Session of the VTS Committee was held at IALA Headquarters from 25 to 29 September 2017.

87 Delegates from 28 countries, 2 sister organisations and 5 observers participated in VTS44. Significantly, this included 23 participants for the first time;

This was the seventh meeting for the 2014-2018 Work Programme and the VTS Committee considered 39 input papers and produced 16 output papers of three Working Groups.

Key outputs included:

The completion of the following new Recommendations and Guidelines:

- Guideline for setting and measuring VTS objectives;
- Recommendation on VTS Communications;
- Guideline on VTS VHF Voice Communication;
- Recommendation on Portrayal of VTS Information and Data;
- Guideline on VTS information exchange with allied or other services;
- Recommendation on Auditing and Assessing VTS.

Additions to the draft IALA Standard 1040 on VTS because of three new Recommendations.

The following liaison notes were prepared:

- To Council to approve the draft new Recommendations and Guidelines as given above;
- To Council on a workshop on harmonising the delivery of VTS communications;
- To Council on pro-active work prior to Work Programme 2018-2022;
- To ARM on the 2018 NAVGUIDE;
- To ARM on the Recommendation and Guideline of Mobile AtoN;

The SG approved a face-to-face intersessional meeting for the revision of IMO Resolution A.857(20).

The draft new Work Programme for the VTS Committee (2018-2022) was completed and reviewed. It will be forwarded to PAP34 for further completion after which it will be submitted to Council for approval.

Overall status of the VTS Committee 2014-2018 Work Programme after VTS44:

Task	Start Session	Planned End Session	Revised End Session	Progress Indicator			Status Overview
				Green	Yellow	Red	
<b>TD#1 – Operations</b>							
1.1.1. Produce a Guideline on the use of decision support tools in VTS	38	39	38	☒	☐	☐	<b>Completed Approved at C59</b>
1.1.2. Update the VTS Manual	38	41		☒	☐	☐	<b>Completed VTS41 Approved at C62</b>
1.1.3. Produce a Guideline on marine casualty incident reporting and recording, including near miss situations as it relates to VTS	38	42		☒	☐	☐	Commenced VTS38 <b>Completed VTS42 Approved at C63</b>
1.1.4. Produce a Guideline on Maritime Service Portfolios for VTS	40	44		☐	☐	☒	Commenced VTS40 <b>To 2018-2022 WP</b>
1.1.5. Produce a Guideline on Preparing for IMO Member State Audit Scheme (IMSAS) as it relates to VTS	38	40		☒	☐	☐	<b>Completed Approved at C61</b>
1.1.6. Produce a Guideline for setting and achieving VTS objectives	42	44		☒	☐	☐	Commenced VTS42 Name change VTS43 <b>Completed VTS44</b>
1.2.1. Produce a Guideline on public and media relations in special / defined circumstances	43	44		☐	☐	☒	removed
1.3.1. Produce a Recommendation / Guideline on VTS Communications	39	44		☒	☐	☐	Commenced VTS39 <b>Completed VTS44</b>
1.4.1. Develop an “IALA VTS Strategy Paper” with regards to the delivery of VTS in a rapidly changing world and the possible implications for IMO Resolution A.857(20) Guidelines for Vessel Traffic Services	38	40	39	☒	☐	☐	<b>Completed Approved at C60</b>
1.4.2. Review/update/provide input to IMO on Resolution A.857(20) Guidelines for VTS	41	44		☐	☐	☒	Commenced VTS39 <b>To 2018-2022 WP</b>
1.4.3. Develop and conduct a global VTS Questionnaire	38	41		☒	☐	☐	<b>Completed</b> released on IALA Website (8 Aug-16)
1.4.4. Produce a Guideline on preparing for Zero Accident Campaign	38			☐	☐	☒	On hold pending IMO response
<b>TD#2 – Technology</b>							
2.1.1. Produce a Recommendation on the portrayal of VTS information and data	41	44		☒	☐	☐	Commenced VTS41 <b>Completed VTS44</b>
2.2.1. Develop Guidance on the technical acceptance of a VTS system	39	44		☐	☐	☒	Commenced VTS39 <b>To 2018-2022 WP</b>
2.2.2. Review V-128 – Operational and Technical Performance Requirements for VTS Equipment	38	44	39	☒	☐	☐	<b>Completed Approved at C60</b>
2.3.1. Provide a Guideline on the technical aspects of VTS information exchange between VTS and allied or other services	41	44		☒	☐	☐	Name change VTS43 <b>Completed VTS44</b>
<b>TD#3 – Training</b>							
3.1.1. Develop a Model Course on Revalidation Process for VTS Qualification and Certification	38	41		☒	☐	☐	<b>Completed Approved at C62</b>
3.1.2. Produce a VTS Training Manual to complement the V-103 and its model courses	40	44		☐	☐	☒	Commenced VTS40 <b>To 2018-2022 WP</b>
3.1.3. Review and update V-103 on the Standards for Training and Certification of VTS Personnel and other IALA guidance to reflect the introduction of V-103/5	42	44		☒	☐	☐	<b>Completed VTS43 Approved at C64</b>
3.3.1. Develop guidance on human factors and ergonomics in VTS	38	43		☐	☐	☒	Commenced VTS38 <b>To 2018-2022 WP</b>
3.4.1. Develop a Guideline on VTS Awareness for Navigating Officers	43	44		☐	☐	☒	Commenced VTS43 <b>To 2018-2022 WP</b>

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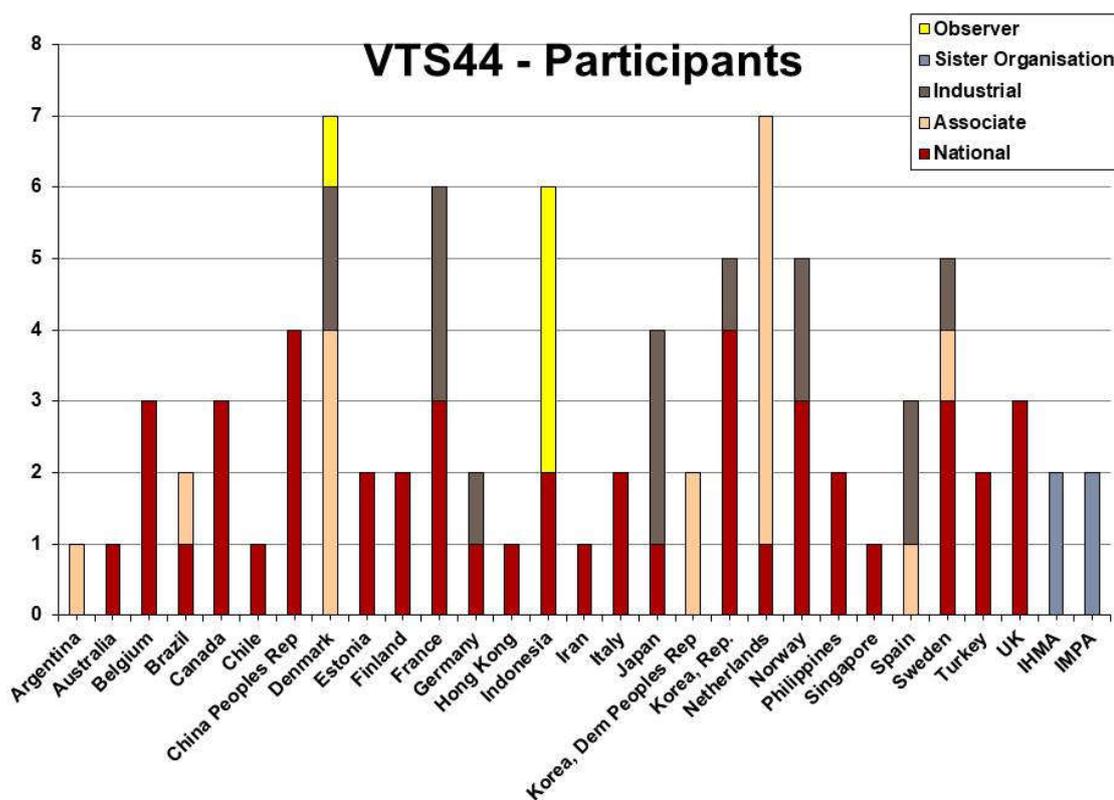
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## Report of the 44<sup>th</sup> Session of the IALA Vessel Traffic Services (VTS) Committee

### 1. INTRODUCTION

The 44<sup>th</sup> meeting of the VTS Committee was held from 25 to 29 September 2017 at IALA with Tuncay Çehreli as Chair and Neil Trainor as Vice Chair. The Secretary for the meeting was Wim van der Heijden.

87 Participants from 28 countries and 2 Sister organisations participated in VTS44; 23 for the first time. There were 5 observers.



The Deputy Secretary General Michael Card welcomed all participants to VTS44, in particular those returning after some absence and the delegates participating for the first time. He apologised the Secretary General because of an ITU meeting in Busan, Republic of Korea.

He mentioned that the renovation of the IALA office space is completed. He stated that this is the last meeting of the work period 2014-2018. Some changes of the Committee structures are in consideration e.g. work on resilient PNT will handed over from the ENAV Committee to the ENG Committee. Future IALA related events were attended:

- ENAV Underway North America will be in St. Johns, Newfoundland, Canada in October
- In the same week an IMO – IHO meeting will be held on data modelling
- FERNS, a Far East Navigation agreement between Korea, China and Russia
- IALA Seminar on Arctic Navigation, November
- Workshop on Maritime Connectivity (Maritime Cloud), November
- IALA Council meeting, December
- General Assembly Meeting, Korea, May 2018

The Committee Chair also welcomed almost 90 participants with the remark that 30% are participating for the first time.



### 1.1 Administrative announcements

Paper VTS44-1.1 (presentation) refers

The Secretary briefed some safety information which is also available at the registration desk.

He informed shortly about WiFi access, Fileshare facility and the printing facilities in the Lounge area.

He attended on the acronym used for Aids to Navigation which has been amended to Marine Aids to Navigation at PAP33 with AtoN as acronym. All text references should use Marine Aids to Navigation. The acronym MAtoN will be used for Mobile AtoN.

The following question was asked:

*Does anyone present have the knowledge of any patents, including pending Patents, held either by themselves or by other organisations or individuals, the use of which may be required to practice or implement the content of IALA Documents being developed or worked on in this Committee?*

No patents were noted.

### 1.2 Approval of the agenda

The agenda was reviewed and adopted (VTS44-1.2).

### 1.3 Introductions and apologies

The Chair welcomed the new participants of the Committee. At that moment some apologies were received as listed in Annex B.

### 1.4 Programme for the week

The Chair explained the programme for the week (VTS44-1.4) which was adopted.

## 2. REVIEW OF ACTION ITEMS FROM VTS43

Input paper VTS44-2.1 refers.

### 2.1 Action Items – IALA Secretariat

Action item 6, on the proposal to review IMO Resolution A.857(20), was approved in principle by Council and directed the IALA Secretariat to finalize it, taking into account comments from the Councilors.

It was noted that all other IALA Secretariat actions from VTS43 had been completed.

### 2.2 Action Items – VTS Committee Participants

Action item 26, 29 and 30. No inputs or comments were received.

Action item 28 (effective communication). New input was received for further consideration during the meeting.

### 3. REVIEW OF INPUT PAPERS

Input papers are numbered in line with the agenda.

There is no input on agenda item 3.1, IALA Standards. The Chair informed that the final approval of the seven Standards would be during the Council 65 meeting in December 2017 and then go for approval at the General Assembly meeting in 2018.

The following input papers were reviewed and appointed to the working groups with the following remarks:

- VTS44-3.2.1 on the International Workshop on Next Generation VTS is now a full report. During VTS43 just the summary was input (VTS43-3.2.9). Noted.
- VTS44-3.2.2 on Voice Alerting System will be followed by a plenary lunch presentation on Tuesday. Noted
- VTS44-3.2.3 on NI approach of Training Accreditation will be followed by a presentation for WG3 on Monday. Noted.
- VTS44-3.2.4 on a proposed workshop on Global Harmonisation of VTS Operational Delivery will be considered by WG1. It was remarked that it is scheduled at the same time as ENAV Underway Pacific which is in Seoul, Republic of Korea. DSG, Chair and the Korean delegation will discuss this further during the week.
- VTS44-3.3.1 and VTS44-3.3.5 will be reviewed by WG1.
- VTS44-3.3.2 will be reviewed by all WGs, WG1 will co-ordinate.
- VTS44-3.3.3 will be considered by Kevin Gregory and Tom Southall.
- VTS44-3.3.4 Noted.

### 4. REPORTS FROM OTHER BODIES

#### 4.1 IALA Council

The Committee noted the Council report, 64<sup>th</sup> Session, IALA, June 2017, paper VTS44-4.1.1 refers.

The Chair informed briefly about the report and the VTS related issues:

- The name change of Task 2.3.1 to Guideline on technical aspects of VTS information exchange between VTS and allied or other services was approved.
- The submission to IMO MSC on an update of MSC Circular 1065 on the IALA standards for training and certification of VTS personnel was approved.
- The withdrawal of IALA Guideline 1032 was approved.
- The submission to IMO MSC on the revision of IMO Resolution A.857(20) was approved in principle. See also chapter 2.1 above.
- Revision of Recommendation R0103 (V-103) was approved.
- The removal of Task 1.2.1 on the preparation of a guideline on public and media relations in special circumstances from the current work programme was approved.
- The name change of Task 1.1.6 on the production of a Guideline for setting and achieving VTS objectives was approved.

#### 4.2 IALA Policy Advisory Panel

The Committee noted the PAP33 report, paper VTS44-4.2.1 refers.

The Chair briefly introduced the report and VTS related matters. PAP33 recommended Council to have definitions in the individual Recommendations and Guidelines again after they have been checked against the Dictionary. This was approved during the Council 64 meeting.

Just before VTS44 the second Joint VTS – ENAV meeting was organised, open to Committee and Working Group Chairs and Vice Chairs of both Committees. It was a productive meeting to improve the communication and co-operation between the two Committees.

### 4.3 IMO

Input paper VTS44-4.3.1 of NCSR4 refers.

The Committee noted the report of NCSR4. A verbal report was already given during VTS43.

As no report of the 98<sup>th</sup> session of the Maritime Safety Committee (MSC98) as input was received the Chair highlighting two issues:

- MSC revoked its Circular related to the World VTS Guide and noted that the reference in Resolution A.857(20) is no longer valid;
- MSC98 approved a new output proposal on maritime autonomous surface ships.

### 4.4 ITU

Input paper VTS44-4.4.1, VTS44-4.4.2 and VTS44-4.4.3 refers.

It was reported that the ITU-WP5B input documents were produced by the ENAV Committee and relates to the new version of the Maritime Radio Communications Plan (MRCP). After Council approval it will be published on the IALA web and IMO NCSR will be informed.

## 5. REPORTS FROM RAPPORTEURS

### 5.1 Risk management toolbox

Rapporteur: Tuncay Çehreli

The IALA World-Wide Academy, in conjunction with China Maritime Safety Administration organized a training seminar on the IALA Risk Management Toolbox from 11 to 15 September 2017 at Jimei University, Xiamen, China.

The seminar has provided an international and regional overview of risk management and importance of stakeholder liaison before demonstrating the value of the IALA Risk Management Tools.

The other development since VTS43 is the production of three risk related documents by ARM Committee. Those are;

IALA Guideline G1124 – The Use of Ports and Waterways Safety Assessment (PAWSA) MkII Tool

IALA Guideline G1123 – The Use of IALA Waterway Risk Assessment Programme (IWRAP MkII)

IALA Recommendation R1002 – Risk Management for Marine Aids to Navigation

R1002 recommends the use of risk management and IALA risk management tools as part of the decision-making process for Marine Aids to Navigation. The Recommendation is expected to be normative in the draft Standard 1010. It supersedes Recommendation O-134.

## 6. PRESENTATIONS

### 6.1 IALA World-Wide Academy (WWA)

Paper VTS44-6.1 (presentation) refers.

The presentation was made by Omar Frits Eriksson.

The presentation showed some traffic density plots to illustrate the relationship between the amount of traffic and the Accredited VTS Training Organizations. It showed that there are gaps between the existing training

organisations and those in need. The WWA made over 1200 Recommendations in 30 missions to advice members.

## 6.2 Vessel Monitoring and Voice Alerting System for VTS

Paper VTS44-6.2 (presentation) refers.

The presentation was made by Xinli Lv.

A system is developed and presented for automatic voice warnings for collision risks and warnings in different situations. The presentation was followed by a discussion.

The Chair thanked all speakers for the presentations.

## 7. ESTABLISH WORKING GROUPS

The Chair outlined the procedure to be followed by working groups, including the associated paperwork, after which three working groups were established and their tasks outlined. A list of working group participants is at Annex C.

Working Group (WG)	Working Group Chair / Vice Chair
WG1 – Operations	Monica Sundklev (Chair) Jørgen Brandt Tom Southall
WG2 – Technology	Robert Townsend (Chair) Richard Aase
WG3 – VTS Training	Kevin Gregory (Chair) Lilian Biber-Klever

## 8. WORKING GROUP 1 – TD#1 - OPERATIONS (WG1)

41 participants were involved in working with the tasks of WG 1. Four subgroups were created to consider the tasks during VTS44, as follows:

### 8.1 Task 1.1.4 Produce a Guideline on Maritime Service Portfolios for VTS

The sub-working group assigned to the task 1.1.4 revised the working document from VTS43 “IALA Guideline Maritime Service Portfolios: Digitising Maritime Services” for MSPs 1, 2 and 3 and the document drafted by the ENAV committee (VTS44-3.3.5(ENAV21-14.2.5)).

This work will continue by correspondence to progress and an input paper will be provided for VTS45 and joint ENAV-VTS working group.

This group identified the need to provide VTS-focused user requirements for operational and technical services for other relevant remaining MSPs as well as potential additional VTS-related MSPs during the next working period.

The group noted a need to work jointly with the technical working group to develop Common Maritime Data Structure (CMDS) entries for the MSP1, MSP2 and MSP3 for next Work Programme.

The group noted that detailed guidelines on Maritime Service Portfolios for VTS should be developed after the completion of the IALA Guideline entitled: Maritime Service Portfolios, Digitising Maritime Services is finalized by ENAV and approved by Council. In order to achieve this, it is requested that the VTS committee extend the task to the next work program and approve a workshop on this task.

#### *Action item:*

*The **Committee Secretary** is requested to forward the draft Guideline on MSP (VTS44-12.2.1) as working paper to VTS45 for further development.*

### 8.2 Task 1.1.6 Produce a Guideline for setting and achieving VTS objectives

The Working Group reviewed and made significant changes in the draft guideline which were finalized. The review focused on that the guideline should be concise and simple so that the purpose of identifying and measuring VTS objectives can be achieved. The title of the Guideline was also changed to read: “Guideline for setting and measuring VTS objectives” since that covered the content better.

#### *Action item:*

*The **Committee Secretary** is requested to forward the Guideline for setting and measuring VTS objectives (VTS44-12.1.9) to Council for approval.*

### 8.3 Task 1.3.1 Produce a Recommendation / Guideline on VTS Communications

The VTS communications sub-group had a successful meeting and lots of input was received and discussed by all participants in the group. Work was progressed sufficiently enough that both the Recommendation and Guideline were completed. The title of the Guideline was changed to read: “Guideline on VTS VHF Voice Communication”.

#### *Action item:*

*The **Committee Secretary** is requested to forward the Recommendation (VTS44-12.1.11) and the Guideline (VTS44-12.1.10) on VTS Communications to Council for approval.*

### 8.4 Task 1.4.2 Review/update/provide input to IMO on Resolution A.857(20) Guidelines for VTS

The Working Group discussed the consequences of an interruption of one year on the work concerning the revision of IMO Resolution A.857(20) and concluded that the interruption is undesirable and probably will lead

to not achieving indicated deadlines (e.g. completion of revising the resolution within the biennium 2018-2019). Therefore, intersessional work (between VTS44 and VTS45) on this task pro-actively to the Work Programme 2018-2022, is recommended and needed.

The Committee drafted a liaison note to Council, taking into account approval procedures by the SG for intersessional work, with a request to note the information, the considerations and the proposal for intersessional work on the revision of Res. A.857(20).

The Committee also drafted a request to Secretary-General for the approval of a face-to-face intersessional meeting 10-13 April 2018. The request was approved during the meeting for 10 – 13 April 2018.

#### *Action items:*

*The **Committee Secretary** is requested to forward the liaison note on pro-active intersessional work on the revision of IMO Res.A857(20) prior to Work Programme 2018-2022 (VTS44-12.1.1) to Council to note.*

### **Miscellaneous**

#### **8.5 VTS44-9.3.1 WG2 Task 2.3.1 Draft Guideline on the interaction with other stakeholders**

The Working Group reviewed and responded to part of the guideline after request from WG2.

#### **8.6 Review Guideline 1101 Auditing and Assessing VTS with a view to create a new Recommendation**

The Working Group acknowledged the input from the vice-chair of the Committee and reviewed and finalised the Recommendation on auditing and assessing Vessel Traffic Services.

#### *Action item:*

*The **Committee Secretary** is requested to forward the Recommendation on auditing and assessing Vessel Traffic Services (VTS44-12.1.12) to Council for approval.*

#### **8.7 VTS44-3.3.1 (ARM6-12.1.13) Liaison ARM to VTS on MAtoNs VTS44-3.3.2 (ARM6-12.1.23) Liaison ARM to all Committees on mobile AtoN**

The working group responded to the request from ARM Committee on MAtoNs (VTS44-3.3.1) and forwarded text proposals on both the Recommendation and Guideline on MAtoN.

The Committee was also requested by ARM Committee (VTS44-3.3.2) to consider any innovative solutions which may provide for the new requirement and advise the ARM committee accordingly, but regrettably no proposals were forthcoming from members of the VTS Committee.

#### *Action item:*

*The **Committee Secretary** is requested to forward the liaison note on MAtoNs (VTS44-12.1.13) together with Annex 1 Recommendation on Mobile Aids to Navigation (MATON) (VTS44-12.1.14) and Annex 2 Guideline on Use of Mobile ATON (VTS44-12.1.15) to ARM for further considerations and to include a comment on VTS44-3.3.2 that no proposals were made by the members of the VTS Committee.*

#### **8.8 VTS44-3.2.4 Proposal workshop on harmonising the delivery of VTS communications**

The Committee was requested to consider the organisation of a workshop on “the Global Harmonisation of VTS Operational Delivery”. It was noted that there were other events at the proposed time for the workshop and therefore the submitter informed that the date of the proposed workshop can be altered to be hold in spring 2019.

The Committee was positive for holding a workshop on harmonising the delivery of VTS communications and supported the new proposed timing for the workshop in spring 2019. A revised workshop proposal was completed for further considerations of the Council for the next Work Programme. The Committee also agreed to arrange the workshop back-to-back with VTS46, dates yet to be confirmed.

The Korean Coast Guard will respond to the proposal for the back-to-back event by 30 October 2017.

*Action item:*

The **Committee Secretary** is requested to forward the liaison note to organize a workshop on VTS Communications including a workshop proposal (VTS44-12.1.8) to Council for further considerations and approval.

## 9. WORKING GROUP 2 – TD#2 - TECHNOLOGY (WG2)

### Introduction

21 participants joined the Working Group.

Tasks were presented as follows:

The WG2 had 5 papers to review, update, note and comment upon.

- VTS44-3.2.2 Liaison note from ARM to all committees on MAToN
- VTS44-9.1.1 Produce a Recommendation on Portrayal of VTS Information and Data.
- VTS44-9.2.1 Produce a Guideline on Acceptance of VTS Systems
- VTS44-9.3.1 Produce a Guideline on technical aspects of VTS information exchange between VTS and allied or other services
- IALA Guideline on Recommendations and Guidelines relating to VTS

After presenting these tasks the Working Group discussed the approach to the management of these tasks and agreed a plan for the week. Essentially, three sub-groups were created along similar lines to the previous sessions.

#### 9.1 Liaison note from ARM to all committees on MAToN

The workgroup had no comment to this liaison note

#### 9.2 Task 2.1.1 Produce a Recommendation on Portrayal of VTS Information and Data.

No comments received between VTS43 and VTS44, and the Working Group seeks the committee's approval to finalise the document for approval.

*Action Item:*

The **Committee Secretary** is requested to forward the draft Recommendation on Portrayal of VTS Information and Data (VTS44-12.1.6) to Council for approval.

#### 9.3 Task 2.2.1 Produce a Guideline on Acceptance of VTS Systems

Good progress was made on this task. The output is a working document which should be referred to VTS45 as an input paper. The task was scheduled for completion at VTS44; however this will go into the next working period, and will be scheduled for completion in the middle of next work period, as we need to ensure it aligns with any updates we make on Guideline 1111.

*Action Item:*

The **Committee Secretary** is requested to forward the working document on Acceptance of VTS Systems (VTS44-12.2.2) to VTS45.

#### 9.4 Task 2.3.1 Produce a Guideline on the technical aspects of VTS information exchange between VTS and allied or other services

No comments received between VTS43 and VTS44. However a few modifications and improvements have been made to the existing draft and the Working Group seeks the committees approval.

*Action Item:*

The **Committee Secretary** is requested to forward the draft Guideline on the technical aspects of VTS information exchange between VTS and allied or other services (VTS44-12.1.5) to Council for approval

## 9.5 Other documents

Two participants from WG2 have put significant work into the draft Guideline on Recommendations and Guidelines relating to VTS. The document is now cross linking all the related standards, recommendations and guidelines in a single document, to give a good overview of the VTS documents.

### *Action Item:*

The **Committee Secretary** is requested to forward the draft Guideline on the Reference list for VTS documents and the cross table as working documents (VTS44-12.2.5 and VTS44-12.2.6) to VTS45.

The work program for next work period have been prepared, discussed in the WG, and forwarded to committee Chair and Vice-Chair.

## 10. WORKING GROUP 3 – TD#3 – VTS TRAINING (WG3)

### Qualification, training, and certification of VTS personnel

#### 10.1 Task 3.1.2 Produce a VTS Training Manual to complement the R0103 and its model courses

The Working Group did not progress the work programme item related to the VTS Training Manual due to the workload related to other matters. It was considered that this item will be addressed during the 2018-2022 work programme period where a review and modernisation of IALA Recommendation R0103 and its associated model courses is planned.

### Accreditation and approval process for VTS training

#### 10.2 Input paper VTS44-3.2.3 Nautical Institute approach to the accreditation of training

The Working Group noted with thanks the information paper and associated presentation provided by the Nautical Institute. The role of third parties in the accreditation and approval process for VTS training has been further considered in a work programme proposal for the 2018-2022 period as a component of a review of IALA Guideline 1014.

### Human Factors and Ergonomics

#### 10.3 Task 3.3.1 Develop guidance on Human Factors and Ergonomics in VTS

The Working Group did not progress the work programme item related to Human Factors and Ergonomics in VTS due to the workload related to other matters.

### *Action item:*

The **Committee Secretary** is requested to forward working document on Human Factors (VTS44-12.2.3) as working paper for VTS45.

### VTS Awareness for Navigating Officers

#### 10.4 Task 3.4.1 Develop a Guideline on VTS Awareness for Navigating Officers

Work continued with the development of a Guideline on VTS Awareness for Navigating Officers in terms of the preparation of the scope for the Guideline.

### *Action item:*

The **Committee Secretary** is requested to forward working document on VTS Awareness for Navigating Officers (VTS44-12.2.4) as working paper for VTS45.

## 11. WORK PROGRAMME

### 11.1 Work Programme (2014 – 2018)

Input paper VTS44-11.1.1 refers.

The overall status report of the current Work Programme was reviewed and updated during the meeting. See table on next page.

### 11.2 Work Programme (2018 – 2022)

Output paper VTS44-11.2.3 and VTS44-11.2.4 refers

The final draft of the Work Programme 2018 – 2022 was completed, presented and discussed.

#### *Action item*

*The **Committee Secretary** is requested to forward the draft Work Programme (2018 – 2022) (VTS44-11.2.3) to PAP34 and then to Council for approval.*

*The **Committee Secretary** is requested to forward the Task Register (2018 – 2022) to VTS45 (VTS44-11.2.4).*

## VTS COMMITTEE 2014-18 WORK PROGRAMME, Overall Status Report (VTS44)

Task	Start Session	Planned End Session	Revised End Session	Progress Indicator			Status Overview
				Green	Yellow	Red	
<b>TD#1 – Operations</b>							
1.1.1. Produce a Guideline on the use of decision support tools in VTS	38	39	38	☒	☐	☐	<b>Completed Approved at C59</b>
1.1.2. Update the VTS Manual	38	41		☒	☐	☐	<b>Completed VTS41 Approved at C62</b>
1.1.3. Produce a Guideline on marine casualty incident reporting and recording, including near miss situations as it relates to VTS	38	42		☒	☐	☐	Commenced VTS38 <b>Completed VTS42 Approved at C63</b>
1.1.4. Produce a Guideline on Maritime Service Portfolios for VTS	40	44		☐	☐	☒	Commenced VTS40 <b>To 2018-2022 WP</b>
1.1.5. Produce a Guideline on Preparing for IMO Member State Audit Scheme (IMSAS) as it relates to VTS	38	40		☒	☐	☐	<b>Completed Approved at C61</b>
1.1.6. Produce a Guideline for setting and achieving VTS objectives	42	44		☒	☐	☐	Commenced VTS42 Name change VTS43 <b>Completed VTS44</b>
1.2.1. Produce a Guideline on public and media relations in special / defined circumstances	43	44		☐	☐	☒	removed
1.3.1. Produce a Recommendation / Guideline on VTS Communications	39	44		☒	☐	☐	Commenced VTS39 <b>Completed VTS44</b>
1.4.1. Develop an “IALA VTS Strategy Paper” with regards to the delivery of VTS in a rapidly changing world and the possible implications for IMO Resolution A.857(20) Guidelines for Vessel Traffic Services	38	40	39	☒	☐	☐	<b>Completed Approved at C60</b>
1.4.2. Review/update/provide input to IMO on Resolution A.857(20) Guidelines for VTS	41	44		☐	☐	☒	Commenced VTS39 <b>To 2018-2022 WP</b>
1.4.3. Develop and conduct a global VTS Questionnaire	38	41		☒	☐	☐	<b>Completed</b> released on IALA Website (8 Aug-16)
1.4.4. Produce a Guideline on preparing for Zero Accident Campaign	38			☐	☐	☒	On hold pending IMO response
<b>TD#2 – Technology</b>							
2.1.1. Produce a Recommendation on the portrayal of VTS information and data	41	44		☒	☐	☐	Commenced VTS41 <b>Completed VTS44</b>
2.2.1. Develop Guidance on the technical acceptance of a VTS system	39	44		☐	☐	☒	Commenced VTS39 <b>To 2018-2022 WP</b>
2.2.2. Review V-128 – Operational and Technical Performance Requirements for VTS Equipment	38	44	39	☒	☐	☐	<b>Completed Approved at C60</b>
2.3.1. Provide a Guideline on the technical aspects of VTS information exchange between VTS and allied or other services	41	44		☒	☐	☐	Name change VTS43 <b>Completed VTS44</b>
<b>TD#3 – Training</b>							
3.1.1. Develop a Model Course on Revalidation Process for VTS Qualification and Certification	38	41		☒	☐	☐	<b>Completed Approved at C62</b>
3.1.2. Produce a VTS Training Manual to complement the V-103 and its model courses	40	44		☐	☐	☒	Commenced VTS40 <b>To 2018-2022 WP</b>
3.1.3. Review and update V-103 on the Standards for Training and Certification of VTS Personnel and other IALA guidance to reflect the introduction of V-103/5	42	44		☒	☐	☐	<b>Completed VTS43 Approved at C64</b>
3.3.1. Develop guidance on human factors and ergonomics in VTS	38	43		☐	☐	☒	Commenced VTS38 <b>To 2018-2022 WP</b>
3.4.1. Develop a Guideline on VTS Awareness for Navigating Officers	43	44		☐	☐	☒	Commenced VTS43 <b>To 2018-2022 WP</b>

## 12. REVIEW OF OUTPUT AND WORKING PAPERS

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

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

The Committee Secretary was requested to forward the output documents, as indicated earlier in the report.

The Committee Chair then thanked the Working Group Chairs, Vice Chairs and participants of the working groups for all their efforts during the week.

### *Action item:*

*The **Committee Secretary** is requested to forward the liaison on new Draft Recommendations and Guidelines (VTS44-12.1.4) to Council to note.*

## 13. ANY OTHER BUSINESS

### 13.1 19<sup>th</sup> IALA Conference 2018 “Successful voyages, Sustainable planet”

Seunghee Choi presented the 19<sup>th</sup> IALA Conference in Incheon, Republic of Korea which will be from 27 May till 2 June 2018. Presentation VTS44-13.1 refers. For further information and registration:

[www.lala2018korea.org](http://www.lala2018korea.org)

### 13.2 Draft IALA Standard 1040 Vessel Traffic Services

Discussion at the Chair’s pre-meeting and the Committee meeting highlighted the need for minor amendments to the draft IALA Standard 1040 Vessel Traffic Services. In particular, it was identified that the scope items “VTS Communications”, “Auditing and Assessment of Vessel Traffic Services” and “Portrayal of VTS information” and the associated Recommendations should be included in Section 5 - Referenced Documents.

**Note:** Draft Recommendations on VTS Communications, Auditing and Assessing VTS and Portrayal of VTS information were approved by the Committee and forwarded to Secretariat (refer to Sections to 8.3, 8.6 and 9.2 respectively).

### *Action item:*

*The **Committee Secretary** is requested to forward the amended draft IALA Standard 1040 Vessel Traffic Services (VTS44-12.1.7) to PAP to consider.*

### 13.3 Update to IALA NAVGUIDE

Following input papers VTS44-3.3.3 and VTS44-3.3.4, the coordinators appointed by the VTS Committee (Kevin Gregory and Thomas Southall) have now completed their review of the VTS related sections within the NAVGUIDE. Editorial corrections have been made to reflect new and amended Recommendations, Guidelines and Model Courses that have been issued since the last edition of the NAVGUIDE was published.

### *Action item:*

*The **Committee Secretary** is requested to forward the liaison on the update of the VTS section of the NAVGUIDE (VTS44-12.1.2) and the updated NAVGUIDE tracking table (VTS44-12.1.3) to ARM for further consideration.*

## 14. REVIEW OF SESSION REPORT

The report of the meeting (VTS44-14) was reviewed and approved by the Committee on the 29<sup>th</sup> September 2017. Deadline for comments and corrections is 10 October 2017.

### *Action Item*

*The **Committee Secretary** is requested to forward the report of VTS44 (VTS44-14) after completion (deadline 10 October 2017) to the IALA Council, to note.*

## 15. DATE AND VENUE OF NEXT MEETINGS

**19<sup>th</sup> IALA Conference** will be from 27 May till 2 June 2018, Incheon, Republic of Korea.

**VTS45** will be in September/October 2018 at the IALA HQ. Dates will be announced later.

For other IALA related events see the overview in chapter 1 and the IALA web site.

## 16. CLOSING OF THE MEETING

The Chair thanked again all Committee participants for all the hard work done during the meeting.

He then asked if there were any final comments that members wished to make; there were none, at which he hoped to meet all during the VTS45. He wished everyone a pleasant stay and safe journey home.

## 17. LIST OF ANNEXES

### 1 Agenda

A copy of the agenda is at Annex A.

### 2 Participants

A list of participants is at Annex B.

### 3 Working Group Participants

A list of working group participants is at Annex C.

### 4 Input Papers

A list of input papers is at Annex D.

### 5 Output and Working papers

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

### 6 Action Items

A list of action items is at Annex F.



## 44<sup>th</sup> Meeting of the Vessel Traffic Services Committee (VTS44)

The 44<sup>th</sup> meeting of the **VTS Committee** will be held from 25 – 29 September 2017, at IALA, St. Germain en Laye, France.

The opening plenary will commence at 1300 on Monday 25 September 2017, and the closing plenary will end at approximately 1300 on Friday 29 September.

Committee Chair, Vice-Chair and Working Group Chairpersons are requested to meet at 0900 on Monday 25 September.

### Agenda

1. Introduction
  - 1.1. Administration and Safety Briefing
  - 1.2. Approval of agenda
  - 1.3. Apologies and introductions
  - 1.4. Programme for the week
2. Review of action items from last meeting
  - 2.1. Review of action items from VTS43
  - 2.2. Final Report from VTS43 - for reference
3. Review of input papers
  - 3.1. IALA Standards
  - 3.2. VTS Committee related input
  - 3.3. Input from other Committees
4. Reports from other bodies:
  - 4.1. IALA Council – 64<sup>th</sup> Session, June 2017
  - 4.2. Policy Advisory Panel (PAP) - PAP33, April 2017 & Legal Advisory Panel (LAP)
  - 4.3. IMO
  - 4.4. ITU
5. Reports from rapporteurs
  - Risk Management Toolbox
6. Presentations
7. Establish Working Groups
8. WG1 - TD# 1 – Operations
  - 8.1. Produce a Guideline on Maritime Service Portfolios for VTS (Task 1.1.4)
  - 8.2. Produce a Guideline for setting and achieving VTS objectives (Task 1.1.6)
  - 8.3. Produce a Recommendation / Guideline on VTS Communications (Task 1.3.1)

- 8.4. Review / update input to IMO on Resolution A.857(20) Guidelines for VTS (Task 1.4.2)
9. WG2 - TD# 2 – Technology
  - 9.1. Produce a Recommendation on the Portrayal of VTS Information and Data (Task 2.1.1)
  - 9.2. Develop Guidance on the Technical Acceptance of a VTS System (Task 2.2.1)
  - 9.3. Provide a Guideline on the technical aspects of VTS information exchange between VTS and allied or other services (Task 2.3.1)
10. WG3 - TD# 3 – VTS Training
  - 10.1. Produce a VTS Training Manual to complement the V-103 and its model courses (Task 3.1.2)
  - 10.2. Develop guidance on human factors and ergonomics in VTS (Task 3.3.1)
  - 10.3. Develop a Guideline on VTS Awareness for Navigating Officers (Task 3.4.1)
11. Work Programme
  - 11.1. Current Work Programme (2014 – 2018)
  - 11.2. Future Work Programme (2018 - 2022)
12. Review of output and working papers
  - 12.1. Output papers
  - 12.2. Working papers
13. Any Other Business
14. Review of session report
15. Date and venue of next meeting
16. Close of the meeting

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Rainer Strenge	WSV	Germany
Peter Eade	Vissim	Norway
Juan Carlos Salinas	Centro de Seguridad Maritimo Jovellanos	Spain
Ben Brooks	Australian Maritime College	Australia

### New Members

Name	Organisation	Country
David TOOMEY	CCG	Canada
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Dorte OLABEK HANSEN	SIMAC	Denmark
Heidi CLEVETT	Maritime Coastguard Administration	UK
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Mae NADAL	PCG	Philippines
Wing Chung TSE	Marine Department	Hong Kong
Hak Chol KIL	Marine Transport Institute	North Korea
Moussa GHARBI	CCG	Canada
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Congbo YI	China MSA	China
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ANNEX C **WORKING GROUP PARTICIPANTS**

**Working Group 1 Operations**

	Name	Organisation / Country
1	Monica Sundklev (Chair)	Swedish Transport Agency / Sweden
2	Jørgen Brandt (Vice Chair)	Great Belt VTS / Denmark
3	Tom Southall (Vice Chair)	IHMA / UK
4	Abel Vigano	Prefectura Naval Argentina / Argentina
5	Are Piel	Estonian Maritime Administration / Estonia
6	Ben Röhner	Port of Rotterdam / the Netherlands
7	Byeong Woo Jeong	Ministry of Oceans and Fisheries / Rep of Korea
8	Congbo Yi	China MSA / People's Republic of China
9	Cristina Sanandres	Indra Sistemas / Spain
10	David Toomey	Canadian Coast Guard / Canada
11	Ed Verbeek	Dutch Pilots Corporation / the Netherlands
12	Els Bogaert	Shipping and Assistance Division / Belgium
13	Erika Marpaung	Directorate General of Sea Transportation / Indonesia
14	Fathan Muta'ali	Directorate General of Sea Transportation / Indonesia
15	Fredrik Karlsson	Swedish Maritime Administration / Sweden
16	Hak Chol Kil	Marine Transport Institute / Dem Peoples Rep of Korea
17	Jacinto de Sousa	Signalis / France
18	Juri Ehandi	Estonian Maritime Administration / Estonia
19	Kazuya Hajime	Japan Coast Guard / Japan
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24	Merry Oktarina	Indonesian Port Corporation (IPC) / Indonesia
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27	Muhammad Khan	MCA / UK
28	Myong Ho Choe	Marine Transport Institute / Dem Peoples Rep of Korea
29	Neil Trainor	AMSA / Australia
30	Nick Cutmore	IMPA
31	Per Baek Hansen	Royal Danish Navy, Soundrep / Denmark

	Name	Organisation / Country
32	Pieter Paap	Ministry of Infrastructure & the Environment / the Netherlands
33	Porthos Lima	Brazilian Pilots Association / Brazil
34	Shengli Jin	China MSA / People's Republic of China
35	Stefan Borowski	Bundeslodsenkammer / IMPA
36	Steve Guest	Kongsberg Norcontrol / Norway
37	Sueng Hee Choi	Ministry of Oceans and Fisheries / Rep of Korea
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40	Umar Hadi	Indonesian Port Corporation (IPC) / Indonesia
41	Yoon-ho Kang	Ministry of Oceans and Fisheries / Rep of Korea

**Working Group 2      Technology**

	Name	Organisation / Country
1	Robert Townsend (Chair)	Maritime and Coastguard Agency / UK
2	Richard Aase (Vice Chair)	Norwegian Coastal Administration / Norway
3	Akihiko Takahashi	Japan Radio Co. / Japan
4	Annette Svendsen	TERMA AS / Denmark
5	Byung-Gil Lee	ETRI / Rep of Korea
6	Dirk Eckhoff	Federal Waterways and Shipping / Germany
7	Ehsan Dehgan	Port and Maritime Organization / Iran
8	Feng Xue	China MSA / People's Republic of China
9	Hans Verra	Port of Rotterdam / the Netherlands
10	Jens Christian Pedersen	TERMA AS / Denmark
11	Kim Chuan Tee	Maritime and Port Authority / Singapore
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13	Melanie Durupt	Cerema / France
14	Miguel Acitores	Indra Sistemas / Spain
15	Oeystein Joergensen	Kongsberg Norcontrol / Norway
16	Rene Hogendoorn	SAAB / Sweden
17	Serge Deschamps	Canadian Coast Guard / Canada
18	Simon Vrigneau	Cerema / France
19	Takuya Fukuda	Tokyo Keiki Inc / Japan
20	Toshio Takahashi	Tokyo Keiki Inc / Japan
21	Uwe Vogeles	In-Innovative Navigation / Germany
22	Wim Smets	Shipping Assistance Division / Belgium

**Working Group 3**
**VTS Training**

	Name	Organisation / Country
1	Kevin Gregory (Chair)	International Harbour Masters Association / UK
2	Lilian Biber (Vice Chair)	NNVO / the Netherlands
3	Antonio Carlos Oliveira	Admiral Moraes Rego Center / Brazil
4	Barbara Magro	Italian Coastguard / Italy
5	Burçin Erlevent	DGCS / Turkey
6	Christian Petersson	Swedish Maritime Administration / Sweden
7	Dorte Olbaek Hansen	Simac / Denmark
8	Fernando Alvarez Matias	Sasemar / Spain
9	Heidi Clevett	Maritime and Coastguard Agency / UK
10	Jimmy Westermann	Great Belt VTS / Denmark
11	Mika Halttunen	Finnish Transport Agency / Finland
12	Niels Jacob Mygind	Danish Defence Command / Denmark
13	Stefaan Priem	Shipping Assistance Division / Belgium
14	Wim van 't Padje	STC / the Netherlands
15	Wing Chung Tse	Marine Department Hong Kong / People's Republic of China
16	Xinli Lv	China MSA / People's Republic of China

## ANNEX D LIST OF INPUT PAPERS

All papers are posted on the Committee section of the IALA website

	Document number	Agenda item	Title
1	VTS44-1.2	1.2	Agenda VTS44
2	VTS44-1.4	1.4	Programme for the week
3	VTS44-2.1	2.1	Actions from VTS43
4	VTS44-2.2	2.2	(VTS43-14) Report of VTS43
5	VTS44-3.2.1	3.2	Report of International Workshop on Next Generation VTS
6	VTS44-3.2.2	3.2	Vessel Monitoring and Voice Alerting System for VTS
7	VTS44-3.2.3	3.2	NI approach to training accreditation-rev1
8	VTS44-3.2.4	3.2	Proposal workshop Global Harmonisation of VTS Operational Delivery
9	VTS44-3.3.1	3.3	(ARM6-12.1.13) Liaison ARM to VTS on MAtoNs
10	VTS44-3.3.2	3.3	(ARM6-12.1.23) Liaison ARM to all Committees on mobile AtoN
11	VTS44-3.3.3	3.3	(ARM6-12.1.17) Liaison to all committees and Secretariat - reminder on the NAVGUIDE 02
12	VTS44-3.3.4	3.3	(ARM6-12.1.18) WG2-navguide_2015_tracking_table 02
13	VTS44-3.3.5	3.3	(ENAV21-14.2.5) Draft IALA Guideline on MSPs (v13) post plenary
14	VTS44-4.1.1	4.1	(C64-19.1) Final Report C64
15	VTS44-4.2.1	4.2	(PAP33-18.8) report PAP332
16	VTS44-4.2.2	4.2	(PAP33-18.10) Draft Strategic Vision 2018-2026
17	VTS44-4.2.3	4.2	(LAP17-23.5) IALA Patent Policy approved by LAP
18	VTS44-4.2.4	4.2	(LAP18-22.3) Information on patents
19	VTS44-4.3.1	4.3	IMO NCSR 4 report final
20	VTS44-4.4.1	4.4	VTS44-4.4.1 20170612 Report of ITU-R WP5B meeting 22 May to 2nd June 2017
21	VTS44-4.4.2	4.4	R15-WP5B-170522-TD-0117!!MSW-E Liaison statement to IMO and IALA on AMRD
22	VTS44-4.4.3	4.4	R15-WP5B-170522-TD-0120!!MSW-E WD Report AMRD
23	VTS44-8.1.1	8.1	(VTS43-12.2.6) WG1 Draft IALA Guideline on MSP1,2,3 VTS v0.1
24	VTS44-8.1.2	8.1	(VTS43-12.2.7) WG1 Annex 1, MSP 1, Information Service Template
25	VTS44-8.1.3	8.1	(VTS43-12.2.8) WG1 Annex 2, MSP 2, Navigational Assistance Service Template
26	VTS44-8.1.4	8.1	(VTS43-12.2.9) WG1 Annex 3, Draft MSP 3,Traffic Organisation Service Template 170321
27	VTS44-8.2.1	8.2	(VTS43-12.2.10) WG1 Draft Guideline for setting objectives for a VTS and achieving them

	Document number	Agenda item	Title
28	VTS44-8.3.1	8.3	(VTS43-12.2.11) WG1 VTS Communications Recommendation v.1.0 Clean
29	VTS44-8.3.2	8.3	(VTS43-12.2.12) WG1 Draft Guideline on VTS Radiotelephony Communications v.1.1
30	VTS44-8.3.3	8.3	(VTS43-8.5.2) Draft Guideline on VTS Radiotelegraphy Communications SUMMER 2017
31	VTS44-8.3.4	8.3	Draft Guideline on VTS Voice Communication by VHF v.1.1a
32	VTS44-9.1.1	9.1	(VTS43-12.2.1) WG2 Recommendation on Portrayal of VTS Information and Data V-xxx - 2017-03-23
33	VTS44-9.2.1	9.2	(VTS43-12.2.2) WG2 Task 2.2.1 Draft Guideline on Acceptance of VTS Systems - output document draft
34	VTS44-9.3.1	9.3	(VTS43-12.2.3) WG2 Task 2.3.1 Draft Guideline on the interaction with other stakeholders rev2b
35	VTS44-10.2.1	10.2	(VTS43-12.2.4) WG3 Human Factors and Ergonomics in VTS
36	VTS44-10.3.1	10.3	(VTS43-12.2.5) Draft Guideline on VTS Awareness for Navigating Officers
37	VTS44-11.1.1	11.1	Overall status of the VTS work programme 2014-18 after VTS43
38	VTS44-11.2.1	11.2	(VTS43-11.2.1) Proposed 2018-22 Work Programme rev 7
39	VTS44-11.2.2	11.2	VTS Task Register 2018-2022

### Presentations given by rapporteurs and presenters

Presentations are posted on the Committee section of the IALA website

Document number	Agenda item	Title
VTS44-1.1	1	General information VTS44
VTS44-6.1	6	WWA VTS Committee brief
VTS44-6.2	6	Vessel Monitor and Voice Alert System
VTS44-13.1	13	19th IALA Conference Promotional Presentation

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

Number	Title	Status
VTS44-14	Report VTS44	To Council to note
VTS44-12.1.1	Liaison VTS to Council on pro-active work prior to WP 2018-2022(Rev3)	To Council to note
VTS44-12.1.2	Liaison VTS to ARM on NAVGUIDE	To ARM to action
VTS44-12.1.3	VTS -navguide_2015_tracking_table 02	To ARM to action
VTS44-12.1.4	Liaison VTS to Council on draft Recommendations and Guidelines	To Council to note
VTS44-12.1.5	Draft Guideline on VTS information exchange with allied or other services	To Council to approve
VTS44-12.1.6	Draft Recommendation on Portrayal of VTS Information and Data	To Council to approve
VTS44-12.1.7	(C64-8.4.1.6) Draft IALA Standard 1040 Vessel Traffic Services (VTS44)	To PAP to consider
VTS44-12.1.8	VTS to Council Request on workshop VTS harmonisation	To Council to approve
VTS44-12.1.9	Draft Guideline for setting and measuring VTS objectives	To Council to approve
VTS44-12.1.10	Draft Guideline on VTS VHF Voice Communication	To Council to approve
VTS44-12.1.11	Draft Recommendation on VTS Communications	To Council to approve
VTS44-12.1.12	Draft Recommendation on Auditing and Assessing VTS	To Council to approve
VTS44-12.1.13	Liaison VTS to ARM on MAtONs	To ARM to note
VTS44-12.1.14	Annex 1-VTS respons to ARM7_(ARM6-12.2.6-WG1 IALA Recommendation MAtON ARM6 - 26 April 2017)	To ARM to action
VTS44-12.1.15	Annex 2_VTS respons to ARM7_(ARM6-12.2.7) WG1 IALA Guideline MAtON ARM6 - April 26 2017)	To ARM to action
VTS44-11.2.3	Proposed 2018-22 Work Programme rev 8	To PAP to consider To Council to approve

**Working papers** will remain within the Committee for further review during **VTS45**.

Number	Title
VTS44-11.2.4	Work Programme 2018 - 2022 Task Register
VTS44-12.2.1	(VTS44-3.3.5) WG1 Draft Guideline on MSP Digitising Maritime Services
VTS44-12.2.2	(VTS44-9.2.1) WG2 Task 2.2.1 Draft Guideline on Acceptance of VTS Systems - output document draft
VTS44-12.2.3	(VTS44-10.2.1) WG3 Human Factors and Ergonomics in VTS
VTS44-12.2.4	(VTS44-10.3.1) WG3 Draft Guideline on VTS Awareness for Navigating Officers-1
VTS44-12.2.5	WG2 Draft Guideline on VTS Reference list - 2017-09-28 a
VTS44-12.2.6	WG2 Cross tables of relations between recommendations and guidelines v1c

**Documents on hold** will remain in the Committee for future review in the VTS Work Programme (2018 - 2022). All documents given below will be input as working document for VTS45.

Number	Title	Status
VTS41-9.2.2	20160120 VTS Ctee Input Paper - V-128 & Guideline 1111 final	Proposed for 2018-2022 Work Programme
VTS41-10.5.1	WG3 VTS MANAGER training need	Proposed for 2018-2022 Work Programme
VTS42-3.2.1	(ENAV18-14.1.18) Liaison note to VTS Committee on S-200 product specification for the IVEF service	Proposed for 2018-2022 Work Programme
VTS42-3.2.2	(ENAV18-9.16.2) IALA Draft Product Specification IVEF v0.0.4 20160104	Proposed for 2018-2022 Work Programme
VTS42-3.2.3	(ENAV18-9.16.3) IALA S100 Gap Analyse v0.1.1 20160104	Proposed for 2018-2022 Work Programme
VTS42-3.2.4	(ENAV18-9.16.4) IALA S100 Recommendation Gap v0.1.1 20160104	Proposed for 2018-2022 Work Programme

## ACTION ITEMS

### *Action Items for Secretariat*

1. The **Committee Secretary** is requested to forward the draft Guideline on MSP (VTS44-12.2.1) as working paper to VTS45 for further development. 12
2. The **Committee Secretary** is requested to forward the Guideline for setting and measuring VTS objectives (VTS44-12.1.9) to Council for approval. 12
3. The **Committee Secretary** is requested to forward the Recommendation (VTS44-12.1.11) and the Guideline (VTS44-12.1.10) on VTS Communications to Council for approval. 12
4. The **Committee Secretary** is requested to forward the liaison note on pro-active intersessional work on the revision of IMO Res.A857(20) prior to Work Programme 2018-2022 (VTS44-12.1.1) to Council to note. 13
5. The **Committee Secretary** is requested to forward the Recommendation on auditing and assessing Vessel Traffic Services (VTS44-12.1.12) to Council for approval. 13
6. The **Committee Secretary** is requested to forward the liaison note on MAtONs (VTS44-12.1.13) together with Annex 1 Recommendation on Mobile Aids to Navigation (MATON) (VTS44-12.1.14) and Annex 2 Guideline on Use of Mobile ATON (VTS44-12.1.15) to ARM for further considerations and to include a comment on VTS44-3.3.2 that no proposals were made by the members of the VTS Committee. 13
7. The **Committee Secretary** is requested to forward the liaison note to organize a workshop on VTS Communications including a workshop proposal (VTS44-12.1.8) to Council for further considerations and approval. 14
8. The **Committee Secretary** is requested to forward the draft Recommendation on Portrayal of VTS Information and Data (VTS44-12.1.6) to Council for approval. 14
9. The **Committee Secretary** is requested to forward the working document on Acceptance of VTS Systems (VTS44-12.2.2) to VTS45. 14
10. The **Committee Secretary** is requested to forward the draft Guideline on the technical aspects of VTS information exchange between VTS and allied or other services (VTS44-12.1.5) to Council for approval 14
11. The **Committee Secretary** is requested to forward the draft Guideline on the Reference list for VTS documents and the cross table as working documents (VTS44-12.2.5 and VTS44-12.2.6) to VTS45. 15
12. The **Committee Secretary** is requested to forward working document on Human Factors (VTS44-12.2.3) as working paper for VTS45. 15
13. The **Committee Secretary** is requested to forward working document on VTS Awareness for Navigating Officers (VTS44-12.2.4) as working paper for VTS45. 15
14. The **Committee Secretary** is requested to forward the draft Work Programme (2018 – 2022) (VTS44-11.2.3) to PAP34 and then to Council for approval. 16
15. The **Committee Secretary** is requested to forward the Task Register (2018 – 2022) to VTS45 (VTS44-11.2.4). 16
16. The **Committee Secretary** is requested to forward the liaison on new Draft Recommendations and Guidelines (VTS44-12.1.4) to Council to note. 18
17. The **Committee Secretary** is requested to forward the amended draft IALA Standard 1040 Vessel Traffic Services (VTS44-12.1.7) to PAP to consider. 18
18. The **Committee Secretary** is requested to forward the liaison on the update of the VTS section of the NAVGUIDE (VTS44-12.1.2) and the updated NAVGUIDE tracking table (VTS44-12.1.3) to ARM for further consideration. 18

19. The **Committee Secretary** is requested to forward the report of VTS44 (VTS44-14) after completion (deadline 10 October 2017) to the IALA Council, to note.

18

*Action Items for Participants*

**No entries found.**



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