



# **IALA – DGLL AWARENESS FORUM ON VESSEL TRAFFIC SERVICES**

**KANDLA, KACHCHH, INDIA**

**6 – 7 February 2014**

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**REPORT**

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Jean-Charles Leclair

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The views expressed in this document are those of the author and are not attributed in any way to the International Association of Marine Aids to Navigation and Lighthouses Authorities

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## Summary and Recommendations

This two-day Forum on Vessel Traffic Services was intended to enable executives and authorities in charge of VTS, maritime safety and safety of navigation in the region to discuss and to be informed of contemporary issues in this specific field. This Forum was also considered as a platform where matters related to the operational aspects and training needs could be addressed. The Forum indeed facilitated a better understanding of contemporary issues. It also assisted the World-Wide Academy of the International Association for Marine Aids to Navigation and Lighthouses Authorities (IALA WWA) to identify actual needs of its Members in order to better respond to their request in the future.

The Forum was held in Kandla, from 6 to 7 February, 2014. It was hosted by the Directorate General of Lighthouses and Lightships, Ministry of Shipping. 57 participants from India and Egypt attended the Forum.

General opinion expressed at the conclusion of the Forum highlighted that all the participants appreciated and benefited from the information provided and the interaction between participants during each session.

In concluding the Forum, the participants expressed the wish to underline some of the key points developed during the meeting in adopting the following fourteen recommendations:

1. National administration should define and promulgate its role and responsibilities for the delivery of VTS, noting the international obligations under SOLAS and national legislation. IALA should provide guidance to assist to undertake and promulgate this in a consistent manner. In case it has not yet been notified it should be initiated on priority;
2. Accreditation of existing training organization or the establishment of accredited training organizations should be completed and Competent Authorities are encouraged to achieve training in their region consistent with IALA Recommendations V-103 on Standards for Training and Certification of VTS Personnel and associated Model Courses;
3. The deployment of IALA expertise to conduct need assessment missions for coastal States and their adjacent waters should be considered as part of IALA WWA's capacity-building strategy;
4. Participants are encouraged to formally request IALA to provide expertise in particular to assist in the determination and operation of VTS;
5. Competent / VTS Authorities providing VTS should define and declare the type/s of VTS services provided in accordance with IALA Guideline 1089 on Provision Vessel Traffic Services (INS, TOS and NAS) and Guideline 1083 on Standard Nomenclature to identify and refer to VTS Centres. This should be done in accordance with IMO Resolution A.857(20) Guidelines for Vessel Traffic Services;
6. A framework for the mandatory training of VTS personnel should be considered in a manner similar to the provisions for navigating officers provided in STCW Convention;
7. A database of qualified VTS personnel should be created and maintained by the National Authority. The type of services provided by various VTSS in India should need to be promulgated by National Authority;
8. National VTS legislation should include qualification, training and certification of VTS personnel, and regular interaction among VTSS to ensure effectiveness of VTS;
9. International recommendations and guidelines relating to VTS should be considered as "Standards" as a mean to create a better international awareness and understanding of their implications and significance;

10. National Authorities are requested to register their accredited VTS training organisations with the IALA World-Wide Academy;
11. VTS Authorities are encouraged to register their VTS into the World VTS Guide;
12. IALA National members are encouraged to consider joining IALA-NET in accordance with IALA Recommendation E-142 on Maritime Data Sharing 'IALA-NET';
13. Participants should encourage IALA to continue their efforts in addressing safety of navigation in all regions by organizing similar activities in the future;
14. Participants will continue sharing information and ideas after the Forum via email.

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## 1. Background and objective

This report covers the development and delivery of a two-day Forum on Vessel Traffic Services, held in Kandla, Kachchh Gujarat, India, from 6 to 7 February, 2014. It was hosted by the Directorate General of Lighthouses and lightships, Ministry of Shipping, and was attended by 55 participants from India and 2 from Egypt. A full list of participants is at Annex 1.

The Forum was organized by the International Association of Marine Aids to Navigation and Lighthouse Authorities World-Wide Academy (IALA WWA) in collaboration with DGLL. The Forum was delivered by Captain A.M. Surej, Director General, DGLL, Rear-Admiral Jean-Charles Leclair, Dean of the IALA World Wide Academy (The Academy); Mr. Tuncay Cehreli, Chairman, IALA VTS Committee, Directorate General of Coastal Safety, Turkey; Mrs. Gerardine Delanoye, Head of Training Department, Scheldt VTS, Mr. Deepak Kumar Sinha, Deputy Director General, VTS Directorate and Capt. J.S. Uppal, Joint Director General of Shipping.



At the IALA Vessel Traffic Services (VTS) Symposium held in Istanbul, Turkey in September 2012, the Secretary-General of IMO indicated that the use of VTS provides a valuable tool in the overall awareness of the maritime domain, particularly in congested waters. The role of VTS was also mentioned as an important tool for the development of the Sustainable Maritime Transportation System concept as expressed during the Symposium held at IMO during the World Maritime Day in September 2013.

Within this framework, the Forum was intended to enable authorities in charge of VTS, maritime safety and safety of navigation in the region to discuss issues in this specific field. This Forum was also considered as a platform where matters related to the operational aspects and training needs could be addressed. While the Forum indeed facilitated a better understanding of contemporary issues, it also assisted India to identify actual needs in order to prepare a "need base" and realistic programme to deliver better services in the future. The agenda of the Forum is attached at Annex 2.

## 2. Preparation of the Forum

Taking into account the proposal made by Capt. Surej at the 55<sup>th</sup> IALA Council held in Busan, Republic of Korea, in May 2013, and which was unanimously supported by the Councilors, the IALA WWA produced a proposal to arrange this regional Forum focusing on VTS. The Government of India agreed to host the event and to invite representatives of the countries within the North Indian Ocean Region. Although only Egypt responded positively, the Forum was held in Kandla with a large representations of Indian VTS stakeholders.

Participation of the Academy was funded mainly by its major sponsor, the International Foundation for Aids to Navigation (IFAN). The participation by Capt. Tuncay Cehreli was also made possible by in-kind sponsorship from the Turkish Directorate General of Coastal Safety. Their support is acknowledged with many thanks.

The support and superb organization provided by DGLL Kandla cannot be underestimated. The selection of the modern and perfectly equipped Radisson Hotel as the venue for the Forum was an inspired choice. We take the opportunity that this report provides to thank formally Capt. A.M. Surej, who addressed the Forum participants at the Opening Ceremony and his dedicated staff who worked tirelessly to ensure that the Forum proceeded so efficiently. A special thanks go to Mr. D.K. Sinha. The IALA WWA and the IALA Secretariat provided their usual impeccable administrative support. This report also enables well deserved thanks to go to all of them.

The Forum would not have been what it was without the active, informative and very positive contribution from the participants, including the visiting Delegation from Egypt and the staff from DGLL. All participants were given a joint Academy feedback questionnaire. Those have been analyzed and the result is given hereunder (ref. item 5) which shows the success of the event and the general satisfaction of the participants. Those results will be used to improve the next events of this kind which should be repeated in other regions of the World, but also in other places of India, as they correspond to an obvious need as it clearly appears during this Forum.



### **3. Development of the Forum**

The opening ceremony took place on Thursday 6 February, from 9.30, with the opening address delivered by Capt. A.M. Surej, Director General, DGLL, followed by a presentation of the Forum by Mr. D.K. Sinha and keynote addresses from Capt. J.S. Uppal and from R.Adm. Jean-Charles Leclair.

The lectures and presentations started immediately after the opening ceremony, and were conducted on the basis of the programme, as detailed below, up to Friday 7 February at 16.30. DGLL generously hosted a Forum dinner at the hotel on the evening of the first day. The DGLL also proposed a very informative visit to the MCC Kandla VTS Centre to the participants, just before the Forum dinner.

Memory stick were presented to all participants at the end of the Forum. These contained all the Microsoft PowerPoint presentations; a soft copy of the IALA NAVGUIDE and of the VTS Manual; the IALA Recommendations and Guidelines on VTS; the list of participants and many pictures taken during the event. The participants also received a hard copy of the recommendations they adopted in conclusion of the Forum. These are listed at Annex 3 to this report.

### **4. Content of the Forum**

This two-day event programme was specially arranged by the IALA WWA. It was the second forum held by the organisation specifically dedicated to VTS. It was not intended to be a training seminar for VTS staff and managers, but a high level information and awareness meeting on VTS, as well as an opportunity to exchange information and experiences between the authorities and other stakeholders in charge.

The Forum was conceived to provide a platform for participants to interact and discuss on matters related to VTS, maritime safety, and safety of navigation, facilitate information sharing and experiences, and to identify capacity building needs in VTS. Its objectives were to assist maritime Authorities in charge of VTS at ensuring that coastal activities they carried out in the region are in compliance with international standards; and to look ahead and to draw a picture of what could be VTSs in the future, in particular, taking into account the next implementation of the concept of e-Navigation, for which VTSs will be a core element.

In more details, the content of the Forum were divided into the following sessions.

#### Session 1 – Opening ceremony

The first session was fully dedicated to the opening ceremony and was followed by a group photograph.

#### Session 2 – International Organisations and their role in safety of navigation

The second session commenced with the introduction of the lecturers and each participant, followed by a presentation of the Forum objectives, presentation and adoption of the agenda, and definition of different aspects of safety at sea.

Jean-Charles Leclair provided an introduction to IALA and the proposal to change the status of the Association from a non-governmental organization (NGO) to an intergovernmental organization (IGO). He then presented the IALA World-Wide Academy, its training activity and its capacity building strategy. He also briefly presented the other international organisations involved with safety of navigation as well as the international regulations regarding safety of navigation, in particular in the United Nations Convention on the Law of the Sea (UNCLOS) and the International Convention for the Safety of Life at Sea (SOLAS), chapter V, completed by the pertinent IMO Resolutions and the IALA Recommendations and Guidelines. He concluded by underlining the necessity to introduce such requirements in the national legislation and recall the near future implementation of the mandatory IMO audit scheme.



He ended his intervention by examples of possible evolution of the role of VTS in the future and showed a video of the Mona Lisa European Project.

### Session 3 – Regional VTS – Country Presentations

Session 3 started with the presentation of the VTSs in India by Mr. D.K. Sinha, with a particular emphasis on the Gulf of Kutch. and on the Gulf of Khambhat, which have the two most modern and up-to-date VTS in India. He described their organisation and their operations, and detailed the national regulations applicable. He then gave information on all other VTSs implemented around India. The second part of his presentation focused on manning, mainly recruitment and training of the VTS officers.

Gerardine Delanoye presented the VTSs and radar network for the river Scheldt and its approaches. The particularity is the shared responsibility agreed by treaties between The Netherlands and Belgium. Together they operates with identical operational procedures and standards 5 VTS, 20 radar shore stations and 1 offshore, as well as communications equipment. The main objective is a follow-up and organisation of vessel journeys in the VTS area, including slot management, to cope with the large diversity of ship types sailing through a river with a heavy traffic, locks, currents and difficult weather conditions.

Tuncay Cehreli presented the Turkish Straits Vessel Traffic Services (TSVTS), which extend on 204 NM. Around 50 000 vessels are passing the Straits every year of which only half of them embarked a pilot on board, despite narrow passages, sharp bends and strong currents.

Medhat Elsayed Aly Elsayed gave a presentation on the VTS project developed by Egyptian Authority for Maritime Safety. The project is part of a larger plan including vessel traffic information management system (VTIMS), differential global positioning system and search and rescue system. He then emphasized on the VTIMS implemented for the Gulf of Suez. He ended by describing the mains aids to navigation in the Red Sea.

### Session 4 - VTS training, accreditation and legislation

Gerardine Delanoye described the international framework provided under SOLAS, IMO Resolution A.857(20) and associated IALA Recommendations and Guidelines for the determination and operation of VTS and VTS training. She then explained the standards recommended by IALA for the training of VTS personnel and the accreditation of training organisations, and reviewed the different model courses and the simulation part during training.

Capt. J.S. Uppal completed the presentation on VTS training by describing the situation in India. Starting by the training of seafarers according to the STCW Convention, he then discussed the human factors on VTS and training conditions of their personnel.

### Session 5 – Implementation and operation of the VTS

The session was presented by Tuncay Cehreli. Using the IMO Resolution A.857(20) *Guidelines for Vessel Traffic Services*, he recalled the definition and the role of a VTS, different types and categorization. He then explained how to plan and implement a VTS, including its equipment and staff. He ended by the operational functions depending of the types of service provided, included the possible supportive functions as security and search and rescue.

### Session 6 – Operational key elements

Gerardine Delanoye explained that a prime responsibility of the VTS Operator is to maintain situational awareness and to monitor the vessel traffic image with all available sensors within the area of responsibility. Extended from that, she detailed the role of the operator, in particular regarding the communication aspects (importance of use of the SMCP and message markers), and the associated human factors (role of fatigue and ergonomics).

### Session 7 – Technical aspects of the VTS



Starting by recalling the responsibility and functioning of the IALA VTS Committee including its future work programme, Tuncay Cehreli detailed the different sensors and equipment used by a VTS to conform the requirements of the IMO Resolution A.857(20) and the IALA Recommendation V-128. He then explained the portrayal of VTS information and data which is a new work item for the VTS Committee during the following years, he described the operational procedures as recommended in the document V-127, and ended with the quality management and auditing/assessing as described in the Recommendation O-132 and Guidelines 1101.

The presentation was followed by a video on Mona Lisa 2, a European project on future monitoring of ships.

## Session 8 – Summary of discussions and closing ceremony

The topics presented during the Forum were briefly discussed together with a list of recommendations which were adopted. The general feeling was that the Forum was beneficial for all and underlined the needs for other similar meetings and further technical cooperation with IALA.

Capt. A.M.Surej, Capt. G. Delanoye, Capt. T. Cehreli and R. Adm. JC. Leclair presented the participants with a certificate of attendance. They also received a memory stick with all the presentations made during the week as well as pertinent documents from IALA.

The Forum ended with a Closing Address delivered by Capt. A.M.Surej during which he congratulated the participants and lecturers and thanked his staff for the success of the event.

## **5. Assessment**

An evaluation form was distributed to each participant (Annex 4). Upon 57, 44 were filled and gave a positive feeling of the objective of the Forum, its content and its delivery.

- Arrangements prior to the Forum (questions 1 to 4): 38 yes answers to all rubrics
- Duration of the event (question 5): all but three declared that it was just right to cover the topics.
- Organisation (question 6): the organisation and equipment were rated from excellent to good, with two satisfactory.
- Presentations and Documentary material (questions 7, 8 and 9): upon 15 criteria and 660 possible answers, 638 were rated excellent or good and 22 satisfactory; no one was rated poor.
- The average quotations for lecturers (question 10) were equally shared between excellent and good except 15 satisfactory.
- The list of topics of major interest (question 11) was no significant as most of the topics were quoted several times by the different participants. The occupation and the particular interest of each one had probably influenced their answer.
- In the same time, few topics were suggested to be added to the programme, and mostly outside of the VTS field (question 12).
- Objective met and use of the information gained (questions 13, 14, 15): yes for all explicit answers.

Half of the questionnaires content comments, all of them positive considering the usefulness of such events. Several contained a wish for further similar meetings on VTS and also requested more efforts by IALA on the training of VTS personnel.

The general opinion reflected from the questionnaires concurred with the very positive feedback received during discussions with the participants. The general view was that such information and

discussion provided by the Forum was very useful and should be repeated from time to time and could be recommended for other regions.

Therefore, the recommendations adopted unanimously by the participants in conclusion of the Forum mirrored the above views. They are reported in Annex 3.

## **6. Conclusions and recommendations**

In concluding the Forum , the participants expressed the wish to underline some of the key points developed during the meeting in adopting fourteen recommendations focusing on the development of the VTS in their countries and the need to conform to the international standards established through the IMO and IALA rules and recommendations.

The full text of the Recommendations is at **annex 3**.

It was also recognized that the two-day forum was the first step towards further actions to improve the situation regarding VTS and traffic monitoring, in particular, to further pursue the process through need assessment analysis and qualification of the VTS personnel. IALA, through its Academy, offered to provide any assistance which would be requested and which would be within its remits.

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## Annex 1

### REGIONAL FORUM ON VESSEL TRAFFIC SERVICES KANDLA, 6 – 7 February 2014

#### LIST OF PARTICIPANTS

Sr. No.	Name	Designation	Directorate	Country
1	Capt AM Surej	Director General	HQs, Noida	India
2	Capt Jean Charles Leclair	(Faculty- IALA)	IALA	France
3	Capt Gerardine Delanoye	(Faculty- IALA)	IALA	Netherlands
4	Capt Tuncay Cehreli	Director General	Coastal safety, Turkey	Turkey
5	Shri DK Sinha	Dy. DG	VTs Directorate	India
7	Shri J S Chauhan	Dy. DG	HQs, Noida	India
8	Shri KK Braroo	Dy. DG	HQs, Noida	India
9	Shri E Murthy	Dy. DG	Kolkata	India
10	Shri N. Murugnandam	Dy. DG	Chennai	India
11	Capt AK Kapoor	VTs Manager	VTs	India
12	Shri CP Singh	Director	HQs, Noida	India
13	Shri AK Singh	Director	HQs, Noida	India
14	Shri RM Patel	Dy. Director	Mumbai	India
15	Shri SB Mishra	Dy. Director	VTs Directorate	India
16	Shri Hansraj Bairawa	Dy. Director	VTs Directorate	India
17	Shri Madhukar G. Gudadhe	Dy. Director	Mumbai	India
18	Shri RK Verma	Dy. Director	Cochin	India
19	Shri D Venketraman	Dy. Director	Jamnagar	India
20	Shri K Shakti	Dy. Director	Chennai	India
21	Shri Umesh Kumar	AEE(E)	Jamnagar	India
22	Shri AK Debata	Dy. Director	Kolkata	India
23	Shri Birender Yadav	Dy. Director	Port Blair	India
24	Shri Anil Antony	AEE(E)	Mumbai	India
25	Shri G Satyanaryana	AEE(E)	Cochin	India
26	Shri Ravi Chandran	AEE(E)	HQs, Noida	India
27	Shri Mukesh Parmar	AEE(E)	Vishakhapatnam	India
28	Shri Prakash Kumar D. Ranpura	AEE(C)	Mumbai	India
29	Shri Jathar Dattatray Satpati	AEE(C)	HQs, Noida	India
30	Shri P Sriramulu	AEE(E)	Chennai	India
31	Shri Kulwant Singh	AEE(E)	VTs Directorate	India
32	Shri Julius Fernandies	AEE(E)	VTs Directorate	India
33	Shri MP Nimare	AEE(E)	VTs Directorate	India
34	Shri JM Baria	AE (C)	VTs Directorate	India
35	Shri P Mukhopadhyay	AE (E)	VTs Directorate	India
36	Shri Dinesh Kumar	AAO	Jamnagar	India
37	Shri Jagdish Panigrahi	VTs Supervisor	VTs Directorate	India
38	Shri Bipin	VTs Supervisor	VTs Directorate	India
39	Shri Jaishankar	VTs Supervisor	VTs Directorate	India
40	Shri JM Sibu	VTs Supervisor	VTs Directorate	India
41	Shri Suresh Vanza	General Manager ( MC)	Reliance Industries Limited Hazira	India
42	Capt Chiranjiv Kumar	Master Mariner ( FG)	Reliance Industries Limited Hazira	India
43	Shri Shailendra Kumar Mishra	Sr. Manager	Reliance Industries Ltd. Dahej.(Gujarat)	India
44	Shri Ramakanta Nayak	Senior Signalman	Paradip Port Trust	India
45	Shri Paresh Murmu	Senior Signalman	Paradip Port Trust	India
46	Medhat Elsayed Aly Elsayed	Eng.	Egyptian Authority for Maritime Safety, EAMS	Egypt
47	Mohammed Mostafa Fawzy ElSayed	Eng.	Egyptian Authority for Maritime Safety, EAMS	Egypt

48	Capt. S. R. Naik	Regional Port Officer, Rajpuri Group of Ports	Maharashtra Maritime Board, Mumbai	India
49	Shri Sushil C. Satelkar	Port Inspector, Mora Group of Ports.	Maharashtra Maritime Board, Mumbai	India
50	Shri S. S. Pimple	Port Inspector, Vengurla Group of Ports.	Maharashtra Maritime Board, Mumbai	India
51	Shri Rajeesh Sashidharan	Manager (Marketing)	M/s AAtash Norcontrol	India
52	CAPT. RAKESH MISHRA	PORT OFFICER, MANDVI	Gujarat Maritme Board	India
53	CAPT KULDEEP SINGH	PORT OFFICER, MAGDALLA	Gujarat Maritme Board	India
54	Shri AMIT SINGHAI	GET	Gujarat Maritme Board	India
55	Shri Bhavin Doshi	Manager	M/s Elcome Marines Mumbai	India
56	LIMBAJAPPA SWANNE	CEO	SHRI SAI SAMARTH TECHNICAL SERVICES(3STECHS)	India
57	Capt. T.M. Kumar	Pilot	Chennai Port Trust	India
58	Glory Furtado	RADIO OFFICER	captain of ports	India
59	Kumar Kashyap	Sr.Executive	Rolta India ltd.Mumbai	India
60	Sachin Yadav	Executive Engineer	Kolkata Port Trust	India

## ANNEX 2

### REGIONAL FORUM ON VESSEL TRAFFIC SERVICES KANDLA, 6 – 7 February 2014

#### PROGRAMME

DAY 1 – Thursday 6 February 2014		
Timing	Event	Presenter/Host
0930-1100	<b><u>Session 1 – Opening Ceremony and Introduction</u></b> Opening ceremony Objectives of the Forum Maritime Safety; Safety and Ships; Safety of Navigation	DG DGLL Dean IALA WWA IALA WWA
1100-1130	<i>Coffee break</i>	
1130-1300	<b><u>Session 2 – International Organisations and their role in the safety of Navigation</u></b> IALA and its Academy Capacity Building – UN “Delivering as One” strategy Obligations of IMO Member States International Regulations; Conventions and Guidelines National and regional legislation concerning VTS (20’)	Dean IALA WWA IALA WWA  DGLL
1300-1400	<i>Lunch</i>	
1400-1530	<b><u>Session 3 – Regional VTS – County Presentations</u></b> VTS in India Turkish Straits VTS VTS country presentations	DGLL DGCS Other Authorities
1530-1600	<i>Coffee break</i>	
1600-1730	<b><u>Session 4 – VTS Training, Accreditation and Legislation</u></b> International standards and legislation Accreditation and Approval of VTS Training VTS Training and Model Courses	Dean IALA WWA IALA VTS Expert
pm	Visit VTS centre followed by Forum dinner	DGLL
Day Two – Friday 7 <sup>th</sup> February		
0900-1030	<b><u>Session 5 – Implementation and Operation of VTS</u></b> VTS Framework Provision of VTS Supportive Functions	IALA VTS Expert
1030-1100	<i>Coffee break</i>	
1100-1230	<b><u>Session 6 – Operational key elements</u></b> Situational awareness Communications Human factor management	IALA VTS Expert
1230-13.30	<i>Lunch</i>	
1330-1500	<b><u>Session 7 – Technical Aspects of VTS</u></b> VTS sensors and equipment Portrayal of data and information at VTS	IALA VTS Expert

	Procedures and Quality Management VTS and beyond (Mona Lisa)	
1500-1530	<i>Coffee break</i>	
1530-1700	<b><u>Session 8 – Discussion and Closing Remarks</u></b> Decision on Recommendations Closing Ceremony	DGLL Dean IALA WWA

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### Annex 3

## REGIONAL FORUM ON VESSEL TRAFFIC SERVICES KANDLA, 6 – 7 February 2014

### RECOMMENDATIONS

The following recommendations were adopted by the participants at the conclusion of the Forum.

1. National administration should define and promulgate its role and responsibilities for the delivery of VTS, noting the international obligations under SOLAS and national legislation. IALA should provide guidance to assist to undertake and promulgate this in a consistent manner. In case it has not yet been notified it should be initiated on priority;
2. Accreditation of existing training organization or the establishment of accredited training organizations should be completed and Competent Authorities are encouraged to achieve training in their region consistent with IALA *Recommendations V-103 on Standards for Training and Certification of VTS Personnel* and associated Model Courses;
3. The deployment of IALA expertise to conduct need assessment missions for coastal States and their adjacent waters should be considered as part of IALA WWA's capacity-building strategy;
4. Participants are encouraged to formally request IALA to provide expertise in particular to assist in the determination and operation of VTS;
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7. A database of qualified VTS personnel should be created and maintained by the National Authority. The type of services provided by various VTSs in India should need to be promulgated by National Authority;
8. National VTS legislation should include qualification, training and certification of VTS personnel, and regular interaction among VTSs to ensure effectiveness of VTS;
9. International recommendations and guidelines relating to VTS should be considered as "Standards" as a mean to create a better international awareness and understanding of their implications and significance;
10. National Authorities are requested to register their accredited VTS training organisations with the IALA World-Wide Academy;
11. VTS Authorities are encouraged to register their VTS into the World VTS Guide;
12. IALA National members are encouraged to consider joining IALA-NET in accordance with IALA Recommendation E-142 on Maritime Data Sharing 'IALA-NET';
13. Participants should encourage IALA to continue their efforts in addressing safety of navigation in all regions by organizing similar activities in the future;



14. Participants will continue sharing information and ideas after the Forum via email.

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**Annex 4**  
**IALA – DGLL Awareness Forum on Vessel Traffic Services**  
**Kandla, Kachchh Gujarat, India, 6 – 7 February 2014**

**Evaluation Questionnaire**

Completion of this Joint questionnaire will assist the IALA World-Wide Academy to improve the delivery of training courses, seminars and forums. Answers will be kept confidential and will be used only for evaluation purposes.

**Arrangements prior to the seminar**

- |   |                                                                                        |                              |                             |    |                          |                              |
|---|----------------------------------------------------------------------------------------|------------------------------|-----------------------------|----|--------------------------|------------------------------|
| 1 | Was the invitation received in good time?                                              | Yes                          | <input type="checkbox"/>    | No | <input type="checkbox"/> |                              |
| 2 | Did you receive the information listed below about the event before your participation |                              |                             |    |                          |                              |
|   | • on its objective and scope                                                           | Yes                          | <input type="checkbox"/>    | No | <input type="checkbox"/> |                              |
|   | • subject areas and programme                                                          | Yes                          | <input type="checkbox"/>    | No | <input type="checkbox"/> |                              |
| 3 | Were the instructions on the following clear and easy to understand?                   |                              |                             |    |                          |                              |
|   | • profile required of participant                                                      | Yes                          | <input type="checkbox"/>    | No | <input type="checkbox"/> |                              |
|   | • completion and submission of the nomination form                                     | Yes                          | <input type="checkbox"/>    | No | <input type="checkbox"/> |                              |
| 4 | Did you receive logistical information on                                              |                              |                             |    |                          |                              |
|   | • venue                                                                                | Yes                          | <input type="checkbox"/>    | No | <input type="checkbox"/> |                              |
|   | • travel arrangements                                                                  | Yes                          | <input type="checkbox"/>    | No | <input type="checkbox"/> | N/A <input type="checkbox"/> |
|   | • DSA payments                                                                         | Yes                          | <input type="checkbox"/>    | No | <input type="checkbox"/> | N/A <input type="checkbox"/> |
|   | • accommodation                                                                        | Yes <input type="checkbox"/> | No <input type="checkbox"/> |    |                          | N/A <input type="checkbox"/> |

**During the seminar**

- |   |                                                                                            |                          |                          |                          |                          |                          |
|---|--------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 5 | To cover the topics fully, was the event <i>(please check the appropriate box)</i>         |                          |                          |                          |                          |                          |
|   | (1) too long                                                                               | <input type="checkbox"/> | (2) just right           | <input type="checkbox"/> | (3) too short            | <input type="checkbox"/> |
| 6 | How do you rate the event with regard to the following? <i>(tick one box in each case)</i> |                          |                          |                          |                          |                          |
|   |                                                                                            | excellent                |                          | good                     | satisfactory             | poor                     |
|   | Venue                                                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|   | Facilities                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|   | Equipment                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

- 7 How do you rate the following aspects of the materials? *(tick one box in each case)*
- |                   | excellent                | good                     | satisfactory             | poor                     |
|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Presentation      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Clarity           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Technical content | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comprehensiveness |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Quantity          |                          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
- 8 How would you rate the following aspects of the presentations? *(tick one box in each case)*
- |                      | excellent                | good                     | satisfactory             | poor                     |
|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Design and structure | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Clarity              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Technical contents   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comprehensiveness    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- 9 How would you rate the use of the following? *(tick one box in each case)*
- |                                | excellent                | good                     | satisfactory             | poor                     |
|--------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Course materials               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| IMO reference materials        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| IALA reference materials       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other resource materials       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Group and practical activities | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Field trips                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

#### At the end of the seminar

- 10 Please rate each lecturer with regard to the following *(check one box in each case)*

- |    | Name of lecturer                 | excellent                | good                     | satisfactory             | poor                     |
|----|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| .1 | <b>Jean-Charles Leclair</b>      |                          |                          |                          |                          |
|    | content of lecture               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | delivery of presentation         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | ability to transfer knowledge    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | effectiveness in:                |                          |                          |                          |                          |
|    | • answering questions            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | • suggesting solutions to issues | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| .2 | <b>Tuncay Cehreli</b>            |                          |                          |                          |                          |
|    | content of lecture               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | delivery of presentation         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | ability to transfer knowledge    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | effectiveness in:                |                          |                          |                          |                          |
|    | • answering questions            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | • suggesting solutions to issues | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| .3 | <b>Gerardine Delanoye</b>        |                          |                          |                          |                          |
|    | content of lecture               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | delivery of presentation         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|    | ability to transfer knowledge    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

effectiveness in:

- answering questions ☐ ☐ ☐ ☐
- suggesting solutions to issues ☐ ☐ ☐ ☐

		excellent	good	satisfactory	poor
.4	Name of lecturer <b>Capt JS Uppal</b>				
	content of lecture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	delivery of presentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ability to transfer knowledge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	effectiveness in:				
	• answering questions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	• suggesting solutions to issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		excellent	good	satisfactory	poor
.5	Name of lecturer <b>DK Sinha</b>				
	content of lecture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	delivery of presentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ability to transfer knowledge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	effectiveness in:				
	• answering questions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	• suggesting solutions to issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11 What topics were of most interest and relevance to you?

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12 Are there any topics which should be added? Yes ☐ No ☐

☐  
If yes, please list them:

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13 Do you consider that the objective of the event was met? Yes ☐ No ☐

☐

14 Are you likely to use the information you gained on Yes ☐ No ☐

☐

the course when you return to work?

15 Will you have the opportunity to transfer the knowledge Yes ☐ No ☐

☐

gained to your colleagues at work?

Comments:

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We greatly appreciate your time in completing this evaluation questionnaire. It contains important information that will assist IALA in determining the success and impact of the activity. Thank you.