



The 12th International  
**VTS SYMPOSIUM**  
*beyond the limits*

1st Announcement  
**Call for Presenters**

10-14 September 2012

Lutfi Kirdar  
Convention & Exhibition Centre  
**Istanbul - Turkey**



# VTS 2012

## «Beyond the Limits»

### What, Where, When ?

**What :**

12th International Symposium on Vessels Traffic Services

**Where :**

Lutfi Kirdar Convention & Exhibition Centre,  
Istanbul, Turkey

**When :**

10-14 September 2012

### Who should attend ?

Those involved in the provision, operation, maintenance or use of Vessel Traffic Services

### Presenting at the Symposium

The Symposium invites contributions by experienced VTS operators, users, planners and trainers from all parts of the world. By presenting at the Symposium, you will make your achievements, systems, studies or concepts known worldwide.

### Who can present ?

Anyone is entitled to present at the Symposium, subject to the presentation topic being accepted by the Selection Committee. Symposium session topics and their context are shown on the side panel.

### How?

Send an abstract of your presentation of no more than 200 words (in English) to [iala-aism@wanadoo.fr](mailto:iala-aism@wanadoo.fr) or to the address below, by no later than 31 January 2011.

For more information on the Symposium, please visit:

**URL :** [www.iala-aism.org](http://www.iala-aism.org) or [www.vts2012istanbul.info](http://www.vts2012istanbul.info)

**Fax :** + 33 1 34 51 82 05

**Post:** IALA-AISM  
20ter rue Schanpper  
78100 St Germain en Laye  
FRANCE

### Symposium sessions (description)

#### 1 VTS – Its role in Maritime Domain Awareness

The opening session will discuss the emerging role of VTS in what is becoming known as Maritime Domain Awareness. Amongst other topics, this will include the increasing interest in AIS networks, the use of satellite based AIS and LRIT.

#### 2 The role of VTS operations in port / waterways efficiency

While the role of VTS in safety and the protection of the marine environment is well accepted there is increasing interest in the use of VTS to increase the efficiency of ports and waterways. Traffic organisation and slot management will be amongst the topics discussed in this session.

#### 3 VTS beyond territorial seas & in polar regions

The need to extend or establish VTS in coastal waters beyond territorial seas or in straits used for international navigation has been identified in several parts of the world (IALA Guideline 1071 – *Establishment of a Vessel Traffic Service beyond Territorial Seas*). More recently, there is a growing interest in establishing VTS in Polar Regions as new routes open up. The implications of operating a VTS outside territorial seas as well as the practicalities and possible technical solutions available will be the focus of this session.

#### 4 VTS & VTM

Vessel Traffic Management is an emerging concept associated with providing a functional framework of harmonized measures and services to enhance the safety, security and efficiency of shipping and the protection of the marine environment in all navigable waters. This session will focus on the VTM concept, what this may mean for VTS and how VTS and VTM will interact.

#### 5 VTS and e-Navigation

VTS has an important role to play in the implementation and delivery of e-Navigation. The user needs for VTS operations within e-Navigation and the implications for VTS of the IMO's e-Navigation implementation plan will be examined in this session.

#### 6 Information exchange and management

This session will feature the increasing role of information exchange, data management and decision support tools in VTS. The need for further standardisation to enable more effective data exchange will also be discussed.

#### 7 Innovations and improvements in VTS

This session will focus on innovations and improvements in the delivery of VTS in recent times.

#### 8 VTS sensor and equipment developments

Recent improvements in VTS sensor and communications technologies will be the focus of this session, alongside the impact these developments have for VTS itself, its users and other stakeholders.

#### 9 Recruitment and professional competency

The most important component of VTS remains the human element. This session will address the recruitment, training and certification of VTS Personnel, the professional competencies required and stakeholder expectations. There will be presentations on training programs, the World Wide Academy for VTS and aids to navigation training, the role of human factors and the use of simulators in VTS training.

#### 10 The role of VTS in reducing risk

The role of VTS to improve the safety and efficiency of navigation, safety of life at sea and the protection of the marine environment is recognised internationally through the International Convention on the Safety of Life at Sea 74/78 (SOLAS). This session will use case studies and the use of the IALA Risk Toolbox (the Ports and Waterways Safety Assessment (PAWSA), IWRAP Mk2 and simulation) to highlight the role of a VTS in reducing risk within the VTS Area.

#### 11 Working towards mandatory VTS training and accreditation

The symposium will conclude with consideration of whether it is necessary to pursue the aim of achieving mandatory training for VTSOs via accredited training courses and, if so, how this could be achieved.