



## IALA Workshop on Development of VHF Data Exchange System (VDES)

15 – 19 February 2016

Conference Studio FUKURACIA  
Shinagawa Crystal Square,  
6-41, Kohnan 1-chome, Minato,  
Tokyo 108-0075,  
Japan

### Background

Over the last number of years, IALA has been heavily engaged in development of the IMO e-navigation concept, including aspects of data communications. The VHF Data Exchange System (VDES) is seen as an effective and efficient use of radio spectrum, building on the capabilities of AIS and addressing the increasing requirements for data to be transferred through the system. There is a need to provide guidance on VDES technologies, VDES operational concept, testbeds and IMO performance standards to assist IALA National and Industrial Members in the efficient development and deployment of maritime data communications.

### Topics

The workshop will cover subjects related to data communications such as the development of VDES by exchanging information on VDES testbeds conducted by various authorities, institutions and industries, especially in the Asia Pacific region; VDES technologies such as the frequency plan, modulation scheme, access scheme, sharing method; VDES operational concept based on user requirement, use case, etc.; the use of VDES in the realisation of e-navigation and modernization of GMDSS. The programme will include a half day open Forum.

### Objective

The objective of the workshop is to provide an opportunity for participants to understand and develop the technology and operational aspects of VDES. This will enable knowledge sharing on VDES, the drafting of IALA documentation on VDES Technologies and VDES Operational Concept, updating of the VDES testbed list, preparing a draft IMO paper on proposal for unplanned output “development of IMO performance standards and associated guidelines for shipboard VDES” for submission to MSC 96. A half-day Open Forum will be opened to public and the Workshop participants with an expected audience of the up to 150.

### Process

The Workshop will include presentations on various aspects relevant to the VDES. The programme includes discussion periods and also work on draft IALA documentation. The intent is that the Workshop report will contain recommendations for areas of further work.

### Attendees

The Workshop is directed towards all IALA members, maritime authorities and administrations, universities, scientific bodies, manufacturers, service providers and integrators, standards organisations as well as consultants in VTS, GMDSS, AtoN, terrestrial components of the WWRNS etc. with interests in e-navigation.

## Provisional Programme

### Day 1 – Monday 15 February, 2016

Registration

Session 1

Sessions 2 & 3

11:00 – 13:00

13:00 Opening of the Workshop and work definition

Open Forum

Welcome reception

### Day 2 – Tuesday 16 February, 2016

Session 4

Sessions 5, 6 & 7

VDES overview

Discussion and establishment of Working Groups

Free evening

### Day 3 – Wednesday 17 February, 2016

Sessions 8 to 11

Working Groups on IALA documentation on VDES

Workshop dinner

### Day 4 – Thursday 18 February, 2016

Technical study tour to the Japanese National Maritime Research Institute

### Day 5 – Friday 19 February, 2016

Session 12

Reports from Working Groups on their work on draft IALA documentation

Session 13

Workshop Conclusions and closing

12:00 Departure

## Venue

The Venue for the Seminar is Conference Studio FUKURACIA, Shinagawa Crystal Square, 6-41, Kohnan 1-chome, Minato, Tokyo 108-0075, Japan

## Registration fee

The registration fee is 600 Euros, and covers participation, welcome reception, Workshop dinner, technical study tour, and lunches throughout the Workshop.

Delegates are most welcome to bring a spouse / partner / guest along to the social events. Please tick the box in the registration form.

They may be asked to pay a fee for the welcome reception and seminar dinner – further information will be available upon registration.

## Hotels

Delegates are responsible for booking their own hotels. IALA does not hold block bookings for the event, nor has negotiated prices.

Recommended hotels are:

### 1. Keikyu EX Inn, Shinagawa-Ekimae

Prices are ranging from 11,000 to 20,000 JPY. Distance to Workshop venue: 1.3 km. Address: 13-3 Takanawa 3-chome, Minato, Tokyo. Phone: +81-3-6743-3910.

Website: <http://www.shinagawa.keikyu-exinn.co.jp/en/index.html>

### 2. Keikyu EX Inn Takanawa

Prices are ranging from 14,000 to 20,000 JPY. Distance to Workshop venue: 1.3 km. Address: 10-8 Takanawa 4-chome, Minato, Tokyo. Phone: +81-3-5423-3910. Website:

<http://www.takanawa.keikyu-exinn.co.jp/languages/en.html>

### 3. Grand Prince Hotel New Takanawa

Prices are ranging from 15,000 to 22,000 JPY. Distance to Workshop venue: 1.5 km. Address: 13-1 Takanawa 3-chome, Minato, Tokyo. Phone: +81-3-3442-1111. Website:

<http://www.princehotels.com/en/newtakanawa/>

### 4. Shinagawa Prince Hotel

Prices are ranging from 10,000 to 18,000 JPY. Distance to Workshop venue: 1.2 km. Address: 10-30 Takanawa 4-chome, Minato, Tokyo. Phone: +81-3-3440-1111. Website:

<http://www.princehotels.com/en/shinagawa/>

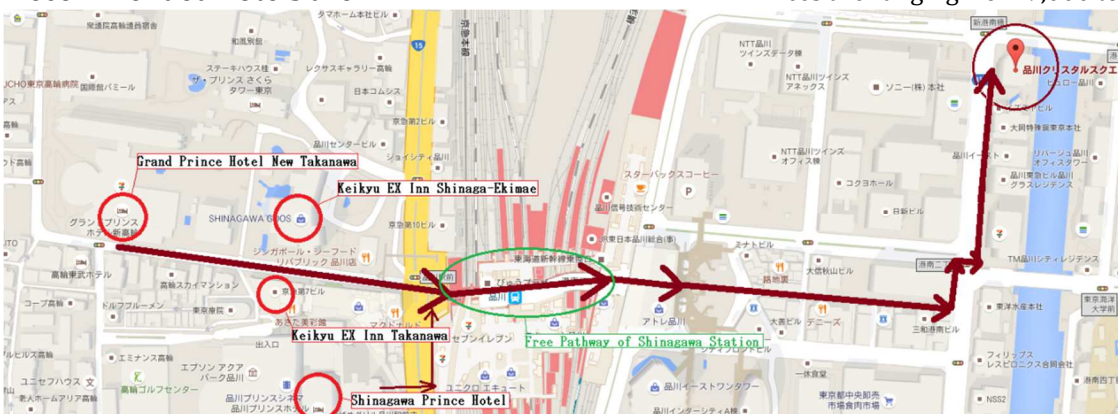
### 5. Daiichi Hotel Tokyo Seafort

Prices are ranging from 9,000 to 23,000 JPY. Distance to

Workshop venue: 1.6 km. Address: 3-15

Higashi-shinagawa 2-chome, Shinagawa, Tokyo. Phone: +81-3-5460-4411. Website:

<http://daiichi-tokyo-seafort.hankyu-hotel.com/>



## Registration form

IALA Workshop on Development of VHF Data Exchange System (VDES)

Conference Studio FUKURACIA

Tokyo, Japan

15 – 19 February, 2016

Please complete the form below and return it by e-mail to [contact@iala-aism.org](mailto:contact@iala-aism.org) or by post to IALA-AISM, 10 rue des Gaudines, 78100 Saint-Germain-en-Laye, France, or register online at <http://www.iala-aism.org/meetings-events/calendar/1418102847/workshop-on-development-of-vhf-data-exchange-system-vdes>

### Participant's details

Surname (family name): \_\_\_\_\_

First name (given name): \_\_\_\_\_

Title (Mr./Mrs./Dr., etc): \_\_\_\_\_

Organisation or company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Country: \_\_\_\_\_

Phone (incl. country code): \_\_\_\_\_

Mobile (incl. country code): \_\_\_\_\_

e-mail: \_\_\_\_\_

Dietary requirements (please specify):

\_\_\_\_\_

I agree to my contact details being provided in the final report of the workshop:

Yes ☐ No ☐

**I need an invitation letter for visa purposes:**

Yes ☐ No ☐

I will be accompanied by:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Payment details

Registration payment is/will be made:

☐ by enclosed cheque or bank draft in EUROS

☐ by VISA or MASTERCARD

No: \_\_\_\_\_

Expiry date: \_\_\_\_\_

Security number: \_\_\_\_\_

Holder's name: \_\_\_\_\_

Total to be charged: \_\_\_\_\_

Signature: \_\_\_\_\_

☐ by bank transfer on receipt of an invoice

Other requirements (please specify):

\_\_\_\_\_

\_\_\_\_\_

### *CANCELLATION POLICY*

All cancellations must be sent by e-mail to [secgen@iala-aism.org](mailto:secgen@iala-aism.org)

A refund in full of the registration fee will only be provided if notification is given at least one week prior to the event. Otherwise, a cancellation charge of 50% will be applied. Name changes will be accepted.