



27 - 31 January 2020

WORKSHOP ON THE FUTURE OF MARINE RADIOBEACON DGPS/DGNSS

Northern Lighthouse Board (NLB) Edinburgh, United Kingdom



Northern
Lighthouse
Board

The International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) in association with the Northern Lighthouse Board is hosting a Workshop on Future of Marine Radiobeacon DGPS/DGNSS, to be held in Edinburgh, UK, from 27 to 31 January, 2020.

BACKGROUND

Marine radiobeacon DGPS services were introduced in the late 1990s to counter the effect of selective availability (SA). SA was an intentional error aimed at civilian GPS users to preserve high accuracy positioning for military users. SA was set to zero in the year 2000, since which time the accuracy improvement through marine radiobeacon DGPS has been minimal, with many users reporting position integrity as the key benefit of using the system.

The future of this service is entwined with the development of other services and factors, namely:

- Global Navigation Satellite System (GNSS) evolution;
- Space Based Augmentation Systems (SBAS);
- Receiver Autonomous Integrity Monitoring (RAIM); and
- Maritime user equipment.

TOPICS

The workshop deals with general DGPS/DGNSS aspects. This will include a range of topics, such as:

- User requirements for PNT;
- DGNSS architecture;
- Opportunities and practical uses of DGNSS infrastructure;
- Cost/benefit analyses;
- Satellite-Based Augmentation Systems – can they replace DGNSS? and
- Alternative positioning, navigation and timing technologies.

OBJECTIVE

The objective of the workshop is to discuss and develop guidance on the future of radiobeacon DGNSS, through knowledge sharing, defining the future requirements for PNT services and discussing the future of DGNSS. This will enable IALA guidance on DGNSS to be updated.

PROCESS

The workshop will consist of presentations from a range of expert speakers covering topics including sources of position integrity, user case studies, future hardware options and the general sharing of views and opinions.

Following this, workshop sessions will be held to formulate the draft structure of possible content of future IALA guidance on DGPS/DGNSS for submission to the IALA Technical Committees.

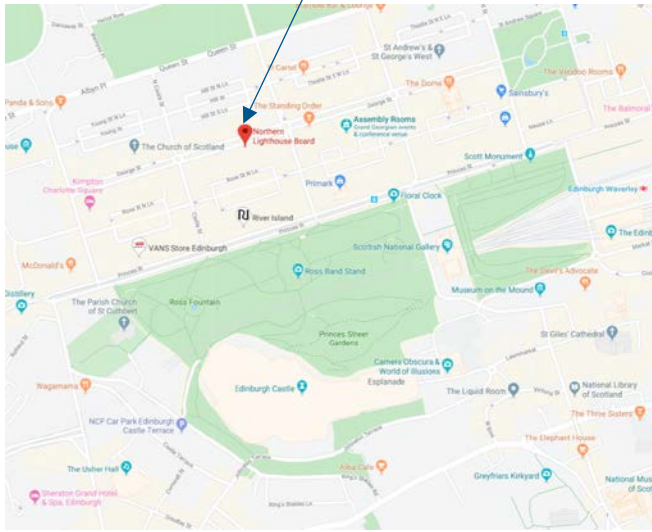
ATTENDEES

The workshop will provide a forum for discussion between different stakeholders which may include IALA national, industrial and associate members and sister organisations. Other interested stakeholders in DGPS and DGNSS are encouraged to attend to maximise the pool of expertise available.



VENUE

The workshop will be held at the headquarters of the Northern Lighthouse Board at 84 George Street, Edinburgh.



HOTEL

There are numerous hotels and other accommodation options available within easy reach of George Street.

- InterContinental Edinburgh the George
- Mercure Edinburgh City Hotel
- Kimpton Charlotte Square
- Frederick House Hotel

WORKSHOP FEE

The fee for the workshop is €350. The fee includes participation in all workshop sessions, a technical tour, lunch on Monday, and workshop dinner.

PROVISIONAL PROGRAMME

DAY 1 - Monday 27 January 2020

Registration	14:00
Session 1	Opening of the workshop
Session 2	Sources of position integrity
Icebreaker reception	Bring some drink or snacks from your own country to share

DAY 2 - Tuesday 28 January 2020

Session 3	Views and opinions
Session 4	Case studies

DAY 3 - Wednesday 29 January 2020

Session 5	Future hardware options
Session 6 & 7	Developing IALA guidance

DAY 4 - Thursday 30 January 2020

Session 8	Finalise draft IALA guidance
Technical visit	Location to be confirmed
Workshop dinner	Location to be confirmed

DAY 5 - Friday 31 January 2020

Session 9	Documentation review
Session 10	Workshop closing

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International Association of Marine Aids to Navigation and Lighthouse Authorities
Association Internationale de Signalisation Maritime



ONLINE REGISTRATION: <https://www.iala-aism.org/product/workshop-on-the-future-of-marine-radiobeacon-dgnss/>

REGISTRATION FROM

WORKSHOP ON THE FUTURE OF MARINE
RADIOBEACON DGPS/DGNSS
Northern Lighthouse Board, Edinburgh

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 seminar:

Yes No

I need an invitation letter for visa purposes:

Yes No

I will be accompanied by:

Payment details

by enclosed cheque or bank draft in EUROS

by VISA or MASTERCARD

No: -----

Expiry date: -----

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
contact@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.

In case of a no-show, 100% of the registration fee
will be charged.