

IHO File No. S3/8151/SinLab

CIRCULAR LETTER 29/2023
13 September 2023

**INVITATION TO IHO-SINGAPORE LAB WORKSHOP ON S-57 TO S-101
TRAINING AND CONVERSION**

Dear Hydrographer,

1. An S-57 to S-101 Training and Conversion Workshop is planned to be hosted in **Singapore** by the IHO-Singapore Innovation and Technology Laboratory. The workshop was proposed by the S-57 to S-101 conversion Sub-Group of the ENCWG in liaison the S-101 PT and will be held from **6 November 2023 to 10 November 2023**. Technical support for the workshop will be provided by the International Centre for ENC (IC-ENC).

2. This workshop will focus on testing and refining IHO guidance documents for the conversion of data from S-57 into S-101. Using real world data, workshop participants will test a broad set of ENCs and datasets against the current conversion guidance documentation and will then provide contributions for improving the guidance. Additionally, outputs will form the basis for individual HO's development of their own national strategies to address the challenges of S-101 ENC migration and ongoing dual fuel production.

3. This workshop will be managed as an **in-person only event**. Participants are therefore advised to plan their travel arrangements accordingly. For registration, please register through the registration system [link here](#) **no later than 09 October 2023**.

4. The maximum allowable number of participants has been capped at 20 individuals due to space and equipment constraints. Kindly bare in mind that registrations will be processed on a first-come, first-served basis. It is possible that registration capacity might be reached before the stipulated deadline. To ensure balanced representation from various Member States, it is recommended that each country nominate one person. For additional person(s), queries or any special request, please do not hesitate to contact the Organizer.

5. The Logistic Information and Workshop Program can be found in Annex A and Annex B respectively. Please take note that the participant costs, such as travel, accommodation and daily expenses etc. for this workshop falls under the responsibility of the attending organization.

Yours sincerely,
On behalf of the Secretary-General



John Nyberg
Director

Annex A : Event information and Logistics
Annex B: Workshop Programme

Event information

Event	S-57 to S-101 Training and Conversion Workshop
Brief	This workshop aims to test and propose refinements to the "S-57 to S-101 Conversion Guidance" document. Participants from HOs, with support from OEMs and providers of converter, visualisation and validation tools, will test a broad set of ENC's and datasets against the guidance document.
Type	Meeting/Workshop, in-person
Date	06-Nov-2023 to 10-Nov-2023
Venue / Country	460 Alexander Road #25-00, mTower, Singapore
Organizer	IHO-Singapore Innovation and Technology Laboratory (IHO-SGP Lab)
Registration	From 11-Sep-2023 to 13-Oct-2023
Registration link	https://form.gov.sg/64edcdec1025880013eb04be
Logistic Information	Appendix 1
Accommodation / Hotel Room Reservation Form (optional)	Appendix 2: Room Reservation Form_ Momentus Hotel Alexandra> Appendix 3: Room Reservation Form _Rendezvous Hotel Singapore>
Contact Organizer	IHO-Singapore Innovation and Technology Laboratory (IHO-SG Lab) Victor SIM < victor_sim@mpa.gov.sg >

Note 1: please contact the Organizer via email for the registration and if you wish to modify your registration information or cancel your participation.

Note 2: participants who need invitation letters to facilitate visa requirements are kindly invited to contact the Organizer. It is highly recommended not to wait for the approval of your travel requests at national level for requesting these invitation letters. Letters can be provided by anticipation.

Tea/Coffee will be provided. No lunch provided.

Workshop Program

Mr Jonathan Pritchard, Senior Technical Manager, IIC Technologies will conduct the workshop. The workshop's primary aim is to test and propose refinements to the "S-57 to S-101 Conversion Guidance" document (S-65 Annex B) capitalising on participants experience gained at the Workshop. Participants from HOs, with support from OEMs and industry providers of converter, visualisation and validation tools, will test a broad set of ENCs and datasets against the guidance document.

The outputs will then form the basis for individual HO's development of their own strategies to address the challenges of S-101 ENC migration and ongoing dual fuel production.

The Organizer will provide participants with the use of multiple third-party tools to produce and convert different ENC datasets. The workshop will be open only to participants from IHO Member States and vendor neutral, using IHO standards and guidance documents and aiming to help participants explore how different software tools integrate within the S-100 framework.

Participants are strongly urged to bring along their own laptops, with their ENCs and compilation guides to the workshop in order to gain maximum benefit as results can then be tailored to their individual encoding practices.

After the Workshop, a summary report for the ENC conversion sub working group of the IHO ENCWG will be compiled, along with recommendations and observations for the next release of the IHO ENC Conversion Guidance Document.

Training and Conversion workshop

What to expect:

- overview of S-101 ENC encoding and production,
- introduction to the main conceptual elements of S-100 required for production of valid ENCs,
- analysis, conversion and documentation of commercial off-the-shelf (COTS) software tools used for initial conversion of ENC data,
- test and validation outputs of the contents of the IHO ENC Conversion Guidance Document,
- within groups, participants will prepare, convert, analyse and report conversion of ENC data from S-57 to S-101 and assist in compilation of summary results.

Suitable for:

- HO's representatives intending to understand how such conversion practices should be developed
- ENC compilation experts and practitioners

What to bring (strongly urged):

- Laptop
- ENCs datasets
- Compilation guides

Recommended Laptop Specifications:

- Processor: Recent generation multi-core CPU

- Memory: 16 GB Ram
- Storage: 7200 RPM disk drive or Solid State Drive, minimum 1 GB for available for installation per software
- Display: NVida or AMD Display Adapter, with an Open GL 3.3 compatible GPU, with 2 GB of memory or greater

Workshop Schedule

Description	Date(s)	Timing (local)
Training	6 November	0900 - 1230 1330 - 1730
Training Conversion	7 November	0900 - 1230 1330 - 1730
Conversion	8 November	0900 - 1230 1330 - 1730
Conversion	9 November	0900 - 1230 1330 - 1730
Conversion	10 November	0900 - 1230 1330 - 1730