



REGIONAL ENC/ECDIS SEMINAR

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- ✦ Associated Standards
- ✦ ENC Coverage
- ✦ ENC Production
- ✦ ENC Distribution
- ✦ ENC Quality and Maintenance
- ✦ Other Related Applications



ASSOCIATED STANDARDS	
Overview of IHO Standards and Specifications Organisation	<u>IHB (Huet)</u>
IMO Regulations and Associated Standards relating to ENCs and ECDIS	<u>IHB (Ward)</u>
S-100 and S-101 – <i>explanation and impact on HOs</i>	Chairman TSMAD (Greenslade)



ENC COVERAGE	
Assessment of Regional ENC Coverage and Availability – <i>what has been done, what is still to be done?</i>	<u>IHB (Ward)</u>
ENC Schemes for Regions B, C1 and C2 – <i>gaps, coordination plans and issues</i>	<u>Brazil (Simões de Oliveira)</u>
IHO WEND Principles – <i>overview, significance, issues</i>	<u>Chairman WEND (Kampfer)</u>



ENC PRODUCTION	
ENC Production Options – <i>overview, HO obligations</i>	<u>IHB (Ward)</u>
ENC Production flow and unified database management systems – <i>typical systems, issues</i>	<u>CARIS (Hoggarth),</u> <u>ESRI (Ponce)</u>
Impact of ENC production on HOs – experiences of HOs – in-house production, outsourcing, bilateral cooperation	<u>France (Dèniel)</u> <u>Australia (Wootton),</u> <u>Brazil (Mandarino)</u>
Alternative ENC Production – <i>outsourcing – what is available? what are the HO's roles and responsibilities to the Contractor?</i>	<u>IIC (Conyon),</u> <u>Jeppesen (Bergmann)</u>
Availability of Training and Assistance in ENC production – <i>UK Programs, IHO Capacity Building, Regional initiatives</i>	<u>UKHO (Nail)</u>



ENC DISTRIBUTION	
Distribution overview: <i>Outcomes of ECDIS Stakeholders' forum and Stakeholders' feedback</i>	<u>IHB (Ward)</u>
RENC Models - <i>Functions, Roles, Issues</i>	<u>Primar and IC-ENC</u>
The View of VARs. <i>Licensing, Pricing, SENC Distribution, other Issues.</i>	<u>Jeppesen Marine (Bergmann)</u>
ENC Data Protection – <i>overview, who does what, Issues</i>	<u>Primar (Scott)</u>



ENC QUALITY / MAINTENANCE	
Improving ENC Consistency and Presentation – <i>examples of the problems, WEND guidelines, S-65</i>	<u>IHB (Ward)</u>
ENC Updating – <i>T&P notices, ER updates, other issues</i>	<u>IC-ENC</u>



OTHER RELATED APPLICATIONS

Developments and Impact of Digital Nautical Publications on HOs

UKHO (Acland)

Developments and Impact of Inland ENC/ECDIS on HOs

USACE (LaDue)

e-Navigation: Concept and Implementation

- what it is, why important, and who is involved
- relationship to ECDIS and ECS
- challenges and opportunities associated with implementation
- expected impact on HOs

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(Alexander)



OTHER RELATED APPLICATIONS

Marine Information Overlays: Development and Use

- relationship to current and future IHO standards (e.g., S-57 --> S-100)
- use AIS Binary Messages
- relationship to ECDIS, ECS, ENC's and RNC's.
- some examples of both static and dynamic applications.

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