

# Technical Programme

## Joint IHO/IALA Workshop S-100/S-200 Product Specification Development & Portrayal

### DAY 1 – Monday 5 September 2022

Time [CEST]	Topics	Chair or Speaker
13:00 – 14:00	Registration	
<b>14:00 – 15:20</b>	<b>Session 1 – Opening of the Workshop</b>	<b>Chair: Phil Day, Chair of IALA ARM Committee</b>
5 min	Welcome	Arve Dimmen (NCA IALA Council member)
10 min	Welcome from IHO & IALA	Abri Kamfer (IHO), Omar Frits Eriksson (IALA)
5 min	Administration and Safety Briefing	Guttorm Tomren
20 min	Technical programme for the week and expectations	Phil Day
20 min	Introduction to S-100	Magnus Wallhagen
20 min	Introduction to S-200 series and MRN	Minsu Jeon
15:20 – 15:30	Group photo	
15:30 – 16:00	Break	
<b>16:00 – 17:45</b>	<b>Session 2 – Introduction to S-100</b>	<b>Chair: Phil Day</b>
20 min	Introduction of IHO GI Registry	Yong Baek
20 min	Review of existing IHO/IALA Product Specifications	Dave Lewald
20 min	S-98 Interoperability: S-1xx Product Specifications layering	Liz Hahessy
20 min	Overview of IMO Maritime Services in the context of portrayal	Jon Leon Ervik
20 min	Introduction to IHO / Singapore innovation and technology lab	Parry Oei
5 min	Q/A session	Phil Day
17:45 – 19:30	Workshop Icebreaker - bring something from your own country to share! Venue: NCA Offices	

### DAY 2 – Tuesday 6 September 2022

Time [CEST]	Topics	Chair or Speaker
<b>09:00 – 12:30</b>	<b>Session 3 – Shared Experiences (lessons Learned)</b>	<b>Chair: Phil Day</b>
10 min	Welcome to the day	Phil Day
15 min	Development of Product Specifications by IHO-NIPWG	Eivind Mong
15 min	Development of S-101 – ENC	Jeff Wootton
15 min	Development of S-125 Marine Navigational services	Sewoong Oh
15 min	Development of S-201 Aids to Navigation	Eivind Mong
15 min	The delivery of S-100 data	Su Marks
15 min	Delivery of S-100 data by means of harmonised technical (e-navigation) services'	Thomas Christensen
15 min	Q&A session	Phil Day
10:55-11:15	Break	
15 min	Development of S-211 – Port Call Message	TBC
15 min	Development of S-212 – VTS information	Wim Smets
15 min	Development of S-401 – Inland ENC	Gert Morlion
15 min	Development of S-421 – Route Exchange	Hannu Peiponen
15 min	Q&A session	Phil Day
12:30 – 13:30	Lunch	
<b>13:30 – 14:30</b>	<b>Session 4 – Review of IHO, IALA Recommendations &amp; Guidelines</b>	<b>Chair: Minsu Jeon</b>
20 min	IHO guidance documents	Yong Baek
20 min	IALA guidance documents	Peter Hooijmans
20 min	Q&A session	Minsu Jeon
14:30 – 15:00	Break	
<b>15:00 - 17:00</b>	<b>Session 5 – Portrayal</b>	<b>Chair: Dave Lewald</b>
20 min	Portrayal from the IHO perspective	Jeff Wootton
20 min	Portrayal from the IEC perspective	Hannu Peiponen
20 min	Portrayal from the IALA perspective	Guttorm Tomren
20 min	Cartographic charting	Dave Lewald
20 min	Q&A and brainstorming session	Dave Lewald
20 min	Review of the day	Phil Day
17:00 onwards	Free time	

DAY 3 – Wednesday 7 September 2022

Time [CEST]	Topics	
<b>09:00 – 10:30</b>	<b>Session 6 – MRN user perspective and OEM</b>	
30 min	MRN – The Way Forward - Guideline G1143 Unique Identifiers for Maritime Resources	Chair: Dave Lewald
30 min	MRN demonstration of practical application	Eivind Mong
30 min	Introduction to International Coordination on Product Specification	Dave Lewald
30 min		Marianne Hagaseth
<b>10:30 – 11:00</b>	<b>Break</b>	
<b>11:00 – 12:30</b>	<b>Session 7 – Harmonizing IHO &amp; IALA PS Development</b>	
30 min	Establish Working Group goals	Abri Kampfer and Phil Day
60 min	Working groups: <ul style="list-style-type: none"> <li>- WG 1 Initializing and productizing of S-100 series data</li> <li>- WG 2 S-201,124 and 125 development</li> <li>- WG 3 S-98 interoperability and Marine AtoN portrayal</li> </ul>	Eivind Mong Sewoong Oh Jorge Arroyo
<b>12:30 – 13:30</b>	<b>Lunch</b>	
<b>13:30 – 14:30</b>	<b>Session 8 - Harmonizing IHO &amp; IALA PS Development continued</b>	
60 min	Working groups: <ul style="list-style-type: none"> <li>- WG 1 Initializing and productizing of S-100 series data</li> <li>- WG 2 S-201,124 and 125 development</li> <li>- WG 3 S-98 interoperability and Marine AtoN portrayal</li> </ul>	Eivind Mong Sewoong Oh Jorge Arroyo
<b>14:30 – 15:00</b>	<b>Break</b>	
<b>15:00 – 17:00</b>	<b>Session 9 - Harmonizing IHO &amp; IALA PS Development continued</b>	
120 min	Working groups: <ul style="list-style-type: none"> <li>- WG 1 Initializing and productizing of S-100 series data</li> <li>- WG 2 S-201,124 and 125 development</li> <li>- WG 3 S-98 interoperability and Marine AtoN portrayal</li> </ul>	Eivind Mong Sewoong Oh Jorge Arroyo
<b>17:00 onwards</b>	<b>Free time</b>	

DAY 4 – Thursday 8 September 2022

Time [CEST]	Topics	
<b>09:00 – 10:30</b>	<b>Session 10 - Harmonizing IHO &amp; IALA PS Development continued</b>	
90 min	Working groups: <ul style="list-style-type: none"> <li>- WG 1 Initializing and productizing of S-100 series data</li> <li>- WG 2 S-201,124 and 125 development</li> <li>- WG 3 S-98 interoperability and Marine AtoN portrayal</li> </ul>	Eivind Mong Sewoong Oh Jorge Arroyo
<b>10:30 – 11:00</b>	<b>Break</b>	
<b>11:00 – 12:00</b>	<b>Session 11 – Conclusion of the WGs in plenary</b>	
60 min	Working groups: <ul style="list-style-type: none"> <li>- WG 1 Initializing and productizing of S-100 series data</li> <li>- WG 2 S-201,124 and 125 development</li> <li>- WG 3 S-98 interoperability and Marine AtoN portrayal</li> </ul>	Chair: Abri Kampfer  Eivind Mong Sewoong Oh Jorge Arroyo
<b>12:00 – 13:00</b>	<b>Lunch</b>	
<b>1300 – 1700</b>	<b>Technical visit</b>	
	Technical visit to: <ul style="list-style-type: none"> <li>- NTNU Maritime University</li> <li>- Kongsberg Digital</li> </ul>	
<b>19:00 onwards</b>	<b>Workshop Dinner</b>	Alnes Lighthouse and Experience Centre

DAY 5 – Friday 9 September 2022

Time [CEST]	Topics	Chair or Speaker
<b>09:00 – 11:10</b>	<b>Session 12 – Workshop review and conclusions</b>	
120 min	Review of working group findings and Q and A	Chair: Abri Kampfer and Phil Day
	Workshop conclusions	WG Chairs  Abri Kampfer and Phil Day
10 min	Closing of the workshop	Abri Kampfer, Omar Frits Eriksson and Phil Day