



VTS45-6.4

# NEW STRUCTURE ON S-200

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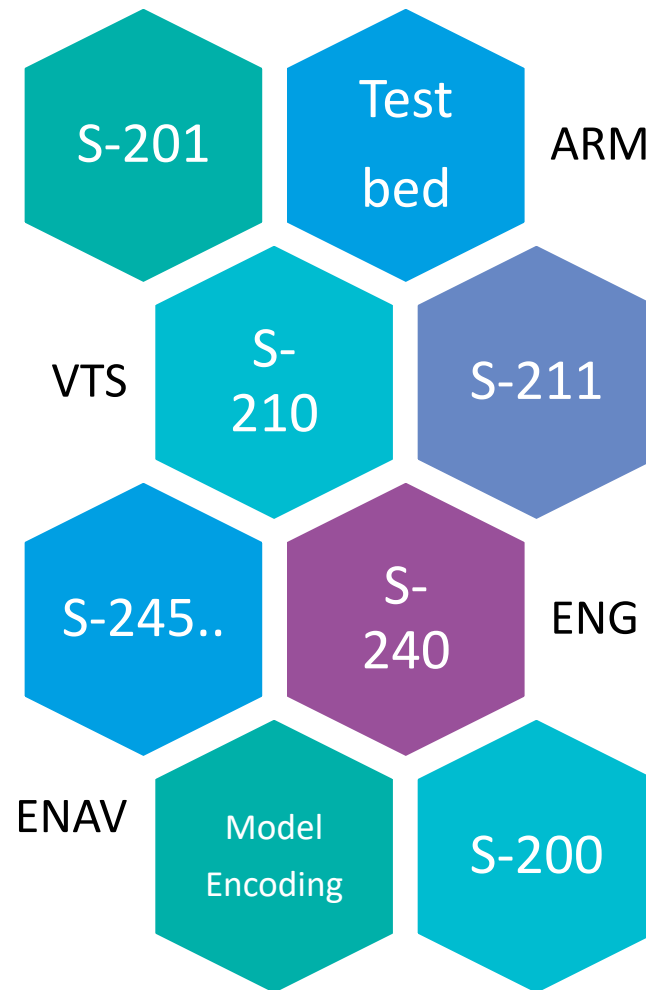


# New Committee Structure on Data modelling

- . C65 approved the new Committee Structure
- . S-200 is the key of the Data Modelling
- . IHO has approved IALA as a Submitting Organization and Domain Controller.
- . IALA Product Specifications compliant with the IHO S-100 standard, use the numbering series S-201 to S-299
- . IALA Domain covers:
  - Aids to Navigation (AtoN)
  - Vessel Traffic Services (VTS)
  - Positioning Systems
  - Communication Systems
  - AIS, ASM, VDES.



## New Committee Structure on Data modelling





# New Committee Structure on Data modelling

Committee	Work Domains (from Standards structure)
<b>AtoN Requirements and Management (ARM)</b>	
AtoN Planning and Service Requirements	Obligations and regulatory compliance
	Risk Management
	Levels of service objectives
	Quality management
	AtoN Planning
	Virtual marking
Information Services	Management of Maritime Service Portfolios and S-200 (from Data models and data encoding)
	Terminology, symbology, and portrayal
Training and Certification	Training and Certification
Capacity building	
<b>AtoN Engineering and Sustainability (ENG)</b>	
AtoN Design and Delivery	Visual signalling
	Range and performance
	Design, Implementation & Maintenance
	Power systems
	Floating AtoN
	Environment, Sustainability & Legacy
Radionavigation Services	Satellite positioning and timing
	Terrestrial positioning and timing (including eLoran, eChayka, R-mode)
	Racon & radar positioning
	Augmentation services (DGNS)
Training and Certification	Training and Certification
Heritage Forum	Activate and manage Heritage Forum as necessary
<b>e-Navigation Information Services and Communications (ENAV)</b>	
Digital Communications Technologies	Wide/Medium bandwidth systems (AIS & VDES)
	Narrow bandwidth systems (NAVDAT, MF beacons, etc.)
	Harmonised maritime connectivity
Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM, etc.)
	Vessel tracking and data exchange systems
	e-Navigation user requirements
Training and Certification	Training and Certification
<b>Vessel Traffic Services (VTS)</b>	
Vessel Traffic Services	VTS implementation
	VTS operations
	VTS data and information management
	VTS communications
	VTS technologies
	VTS Auditing and assessing
	VTS additional services
Training and Certification	Training and certification

- Council 65, Dec 2017 approved the new Committee structure



Committee	Work Domains (from Standards structure)	Amplification points – only as necessary
<b>AtoN Requirements and Management (ARM)</b>		
<b>AtoN Planning and Service Requirements</b>	Obligations and regulatory compliance	
	Risk Management	<ul style="list-style-type: none"> <li>Maritime data sharing for risk assessment <ul style="list-style-type: none"> <li>IALA NET</li> </ul> </li> </ul>
	Levels of service objectives	
	Quality management	
<b>Information Services</b>	AtoN Planning	
	Virtual marking	<ul style="list-style-type: none"> <li>Operational aspects of Virtual marking <ul style="list-style-type: none"> <li>ENAV to advise on connectivity</li> </ul> </li> </ul>
	Management of Maritime Service Portfolios and S-200 (from Data models and data encoding)	<ul style="list-style-type: none"> <li>Operational considerations for S-200 <ul style="list-style-type: none"> <li>S-201 AtoN information</li> <li>S-230 Application Specific Messages</li> </ul> </li> <li>Coordination with IHO for S-100, S-200, and MRN management <ul style="list-style-type: none"> <li>S-100/S-200 message coordination <ul style="list-style-type: none"> <li>S-201 &amp; S-125 etc.</li> </ul> </li> <li>S-200 information content, except S-211</li> </ul> </li> <li>Coordination with IHO, WMO, etc. on complete S-100 series <ul style="list-style-type: none"> <li>Including adding MRN header to S-100 to increase S-numbers available</li> </ul> </li> <li>Digital Maritime Services <ul style="list-style-type: none"> <li>Structure and content of Maritime Services</li> <li>IMO Coordinating Organisation matters <ul style="list-style-type: none"> <li>With advice from VTS as necessary</li> </ul> </li> </ul> </li> <li>Development of S-201 Testbed</li> <li>Other s-200 <ul style="list-style-type: none"> <li>Envisage the scope of S-200</li> </ul> </li> <li>Organizing a S-100/200 workshop in cooperation with IHO <ul style="list-style-type: none"> <li>Date, place, and scope</li> </ul> </li> <li>IALA representation at IHO working groups in coordination with Secretariat <ul style="list-style-type: none"> <li>HSSC, S-100WG, NIPWG</li> </ul> </li> </ul>
	Terminology, symbology, and portrayal	<ul style="list-style-type: none"> <li>Coordination with IHO on portrayal and symbology</li> </ul>
<b>Training and Certification</b>	Training and Certification	
<b>Capacity building</b>		



Committee	Work Domains (from Standards structure)	Amplification points – only as necessary
<b>AtoN Engineering and Sustainability (ENG)</b>		
<b>AtoN Design and Delivery</b>	Visual signalling	
	Range and performance	
	Design, Implementation & Maintenance	
	Power systems	
	Floating AtoN	
	Environment, Sustainability & Legacy	
<b>Radionavigation Services</b>	Satellite positioning and timing	
	Terrestrial positioning and timing (including eLoran, eChayka, R-mode)	<ul style="list-style-type: none"><li>• S-245 eLoran ASF Data</li><li>• S-246 eLoran Station Almanac</li><li>• S-247 Differential eLoran Reference Station Almanac</li></ul>
	Racon & radar positioning	
	Augmentation services (DGNSS)	<ul style="list-style-type: none"><li>• S-240 DGNSS Station Almanac</li></ul>
<b>Training and Certification</b>	Training and Certification	
<b>Heritage Forum</b>	Activate and manage Heritage Forum as necessary	



Committee	Work Domains (from Standards structure)	Amplification points – only as necessary
<b>e-Navigation Information Services and Communications (ENAV)</b>		
<b>Digital Communications Technologies</b>	Wide/Medium bandwidth systems (AIS & VDES)	<ul style="list-style-type: none"><li>• Coordination with ITU and IMO</li><li>• Technical aspects of AMRD in cooperation with ARM</li><li>• Studies to ensure awareness of existing and future connectivity options</li></ul>
	Narrow bandwidth systems (NAVDAT, MF beacons, etc.)	
	Harmonised maritime connectivity	
<b>Information Services</b>	Data models and data encoding (IVEF, S-100, S-200, ASM, etc.)	<ul style="list-style-type: none"><li>• Modelling and encoding for S-200</li><li>• Modelling and management of MRN</li></ul>
	Vessel tracking and data exchange systems	<ul style="list-style-type: none"><li>• Operational and technical aspects of vessel tracking<ul style="list-style-type: none"><li>◦ Excludes reporting and single window</li></ul></li></ul>
	e-Navigation user requirements	<ul style="list-style-type: none"><li>• Suggest delete.<ul style="list-style-type: none"><li>◦ Already covered by IMO SIP, and if retained is probably better in ARM</li></ul></li></ul>
<b>Training and Certification</b>	Training and Certification	



Committee	Work Domains (from Standards structure)	Amplification points – only as necessary
<b>Vessel Traffic Services (VTS)</b>		
<b>Vessel Traffic Services</b>	VTs implementation	
	VTs operations	
	VTs data and information management	<ul style="list-style-type: none"><li>• S-210 Inter VTS exchange format (IVEF)<ul style="list-style-type: none"><li>○ Developing a guideline</li><li>○ Following IHO's adoption on Data streaming function</li></ul></li><li>• Operational aspects of S-211 Port Call message and its further development<ul style="list-style-type: none"><li>○ With advice from sister Organisations</li></ul></li><li>• Operational aspects of VTS digital Maritime Services<ul style="list-style-type: none"><li>○ Including Sea Traffic Management options</li><li>○ In consultation with ARM</li></ul></li><li>• Vessel reporting<ul style="list-style-type: none"><li>○ Excluding single window and Port CDM</li></ul></li></ul>
	VTs communications	<ul style="list-style-type: none"><li>• Including transition to digital information flow and "silent VTS"</li></ul>
	VTs technologies	
	VTs Auditing and assessing	
	VTs additional services	
<b>Training and Certification</b>	Training and certification	