

**Agenda item: 4 - Presentation of draft Standard structure
Mapping IALA Recommendations to Standards**

Rec. Number	Recommendation Name	Edition Number in force	Date Originally Approved	Date of Latest Revision	Standard	General topic area
A-123	The Provision of Shore Based Automatic Identification System (AIS)	Ed 2	déc-02	juin-07	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124	The AIS Service	Ed 2.1	déc-02	déc-12	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 0	References, Glossary of terms and Abbreviations	Ed 1	déc-12	déc-12	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 1	Basic AIS Services, AIS Data Model and AIS Service specific MDEF sentences	Ed 1	déc-11	déc-11	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 3	Distribution model	Ed 1	déc-12	déc-12	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 4	Interaction and Data Flow Model of the AIS service	Ed 1	déc-11	déc-11	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 5	Interfacing model of the AIS Service	Ed 1	déc-11	déc-11	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDICES 9/10/11	Functional Description of the AIS Service components (AIS-PCU, AIS-LSS & AIS-SM)	Ed 1	déc-12	déc-12	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 12	Co-location issues at AIS Physical Shore Stations (AIS-PSS) and on-site infrastructure considerations	Ed 1	déc-12	déc-12	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 14	FATDMA Planning and Operation of an AIS Service	Ed 2	déc-08	déc-12	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 16	DGNSS Broadcasts from an AIS Service	Ed 2	déc-08	déc-11	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 17	Channel Management by an AIS Service	Ed 1	déc-11	déc-11	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 18	VDL Load Management	Ed 1	déc-11	déc-11	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-124 APPENDIX 19	Satellite AIS Considerations	Ed 1	déc-11	déc-11	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
A-126	The Use of the Automatic Identification System (AIS) in Marine Aids to Navigation Services	Ed 1.5	mai-04	juin-11	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
E-105	The Need to Follow National and International Standards	Ed 1	juin-98	juin-98	AtoN Planning and Service Requirements	Obligations, International & national criteria
E-106	The Use Of Retroreflecting Material On Aids To Navigation Marks Within The IALA Maritime Buoyage System	Ed 1.1	juin-98	déc-05	AtoN Design and Delivery	Visual AtoN
E-107	Moorings for Floating Aids to Navigation	Ed 2	déc-05	mai-09	AtoN Design and Delivery	Floating AtoN
E-108	The Surface Colours used as Visual Signal on Aids to Navigation	Ed 3	juin-98	mai-13	AtoN Design and Delivery	Visual AtoN
E-109	The Calculation Of The Range Of A Sound Signal	Ed 1	juin-98	juin-98	AtoN Design and Delivery	Additional AtoN systems, Sound, Radar & Reflectors
E-110	The Rhythmic Characters of Lights on Aids to Navigation	Ed 3	juin-98	juin-12	AtoN Design and Delivery	Visual AtoN
E-111	Port Traffic Signals	Ed 1.1	juin-98	déc-05	AtoN Planning and Service Requirements	Offshore signals, Bridge signals, Traffic signals
E-112	Leading Lights (*including Leading Line Design Program ver 2.02)	Ed 1.1	juin-98	déc-05	AtoN Design and Delivery	Visual AtoN
E-141	Standards for Traning and Certification of AtoN Personnel	Ed 3	déc-09	mai-15	Training and Certification	Training and assesment
E-142	Maritime Data Sharing 'IALA-NET'	Ed 1	déc-09	déc-09	Information Services	Data exchange systems (Traffic information)
E-200-0	Marine Signal Lights Part 0 - Overview	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Range and performance
E-200-1	Marine Signal Lights Part 1 - Colours	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Visual AtoN
E-200-2	Marine Signal Lights Part 2 - Calculation, Definition and Notation of Luminous Range	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Range and performance
E-200-3	Marine Signal Lights Part 3 - Measurement	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Range and performance
E-200-4	Marine Signal Lights Part 4 - Determination and Calculation of Effective Intensity	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Range and performance
E-200-5	Marine Signal Lights Part 5 - Estimation of the Performance of Optical Apparatus	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Range and performance
e-NAV-140	The Architecture for Shore-based Infrastructure 'fit for e-Navigation'	Ed 2	déc-09	mai-15	Information Services	Harmonised maritime connectivity framework (CMDS)
e-NAV-144	Harmonized implementation of Application Specific Message (ASM)	Ed 1	juin-11	juin-11	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)
e-NAV-146	Strategy for Maintaining Racon Service Capability	Ed 1	déc-11	déc-11	Radionavigation Services	RACON & Radar positioning
e-NAV-147	Product Specification Development and Management	Ed 1.0	mai-15	mai-15	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)
e-NAV-148	The need to implement regional e-Navigation solutions based on international standards	Ed 1.0	déc-15	déc-15	Information Services	Harmonised maritime connectivity framework (CMDS)
O-104	Off Station Signals for Major Floating Aids	Ed 2	juin-98	juin-12	AtoN Design and Delivery	Visual AtoN
O-113	The Marking of Fixed Bridges and Other Structures over Navigable Waters	Ed 2	juin-98	déc-11	AtoN Planning and Service Requirements	Offshore signals, Bridge signals, Traffic signals
O-118	The Recording of Aids To Navigation Positions	Ed 1.1	juin-00	déc-05	AtoN Planning and Service Requirements	Quality management, Record keeping
O-130	Categorisation and Availability Objectives for Short Range Aids to Navigation	Ed 2	déc-04	juin-11	AtoN Planning and Service Requirements	Levels of service objectives, Availability and Categories
O-132	Quality Management for Aids to Navigation Authorities	Ed 2.1	déc-05	déc-13	AtoN Planning and Service Requirements	Quality management, Record keeping
O-134	The IALA Risk Management Tool for Ports and Restricted Waterways	Ed 2	mai-06	mai-09	AtoN Planning and Service Requirements	Risk Management Toolbox
O-138	The Use of GIS and Simulation by Aids to Navigation Authorities	Ed 1	déc-07	déc-07	AtoN Planning and Service Requirements	Risk Management Toolbox
O-139	The Marking of Man-Made Offshore Structures	Ed 2	déc-08	déc-13	AtoN Planning and Service Requirements	Offshore signals, Bridge signals, Traffic signals
O-143	Provision of Virtual Aids to Navigation	Ed 1.1	juin-10	mai-13	AtoN Planning and Service Requirements	AIS, AIS AtoN, Virtual AtoN
P-137	Quality Management for Competent Pilotage Authorities and Pilotage Service Providers	Ed 1	déc-07	déc-07	AtoN Planning and Service Requirements	Quality management, Record keeping
R-101	Marine Radar Beacons (racons)	Ed 2	déc-94	déc-04	Radionavigation Services	RACON & Radar positioning
R-115	The Provision Of Maritime Radionavigation Services In The Frequency Band 283.5-315 kHz In Region 1 and 285-325 kHz In Region 2	Ed 1.1	déc-99	déc-05	Radionavigation Services	Terrestrial augmentation services (DGNSS)
R-121	The Performance and Monitoring of DGNSS Services in the Frequency Band 283.5 - 325 kHz	Ed 2.0	juin-01	mai-15	Radionavigation Services	Terrestrial augmentation services (DGNSS)

R-129	GNSS Vulnerability and Mitigation Measures	Ed 3	déc-04	déc-12	Radionavigation Services	Terrestrial augmentation services (DGNSS)
R-135	The Future of DGNSS	Ed 2	nov-06	déc-08	Radionavigation Services	Terrestrial augmentation services (DGNSS)
V-102	The application of the 'User Pays' principle to Vessel Traffic Services	Ed 1.2	juin-98	déc-11	Vessel Traffic Services	VTs implementation
V-103	Standards for Training and Certification of VTS Personnel	Ed 2.1	juin-98	déc-13	Training and Certification	Training and assesment
V-119	The Implementation of Vessel Traffic Services	Ed 2	déc-00	déc-09	Vessel Traffic Services	VTs implementation
V-120	Vessel Traffic Services in Inland Waters	Ed 2	juin-01	déc-13	Vessel Traffic Services	VTs implementation
V-125	The use and presentation of symbology at a VTS Centre	Ed 3	juin-03	juin-12	Vessel Traffic Services	VTs data and information management
V-127	Operational Procedures for Vessel Traffic Services	Ed 2	mai-04	juin-11	Vessel Traffic Services	VTs operation
V-128	Operational and Technical Performance of VTS Systems	Ed 4	juin-04	mai-15	Vessel Traffic Services	VTs technologies
V-136	Participation in the World VTS Guide	Ed 1.0	déc-07	déc-07	To be withdrawn in coming IALA Council	-
V-145	The Inter-VTS Exchange Format (IVEF) Service	Ed 1	juin-11	juin-11	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)

Agenda item: 4 - Presentation of draft Standard structure
Mapping IALA Guidelines to Standards

Guideline Number	Guideline Name	Edition Number in force	Date Originally Approved	Date of Latest Revision	Standard	General topic area
1004	Level of Service	Ed 2.0	déc-97	mai-13	AtoN Planning and Service Requirements	Level of service objectives, Availability and Categories
1005	Contracting Out Aids to Navigation Services	Ed 2	déc-94	déc-05	AtoN Design and Delivery	Design, Implementation and Maintenance
1006	Plastic Buoys	Ed 3.1	déc-97	déc-13	AtoN Design and Delivery	Floating AtoN
1007	Lighthouse Maintenance	Ed 1.1	déc-97	déc-05	AtoN Design and Delivery	Design, Implementation and Maintenance
1008	Remote Control and Monitoring of Aids to Navigation	Ed 2	déc-98	mai-09	Digital Communication Technologies	Maritime Internet of Things (Intelligent sensors, AtoN monitoring)
1010	Racon Range Performance	Ed 2	déc-99	juin-05	AtoN Design and Delivery	Additional AtoN systems, Sound, Radar & Reflectors
1011	Standard Method for Defining and Calculating the Load Profile of Aids to Navigation	Ed 1.1	déc-99	déc-05	AtoN Design and Delivery	Power systems
1012	The Protection of Lighthouses and other Aids to Navigation against Damage from Lightning	Ed 3	juin-00	mai-13	AtoN Design and Delivery	Design, Implementation and Maintenance
1014	The Accreditation and Approval Process for VTS Training	Ed 3	déc-00	déc-11	Training and Certification	Competency certification and revalidation
1015	Painting Aids to Navigation Buoys	Ed 2	juin-01	déc-13	AtoN Design and Delivery	Design, Implementation and Maintenance
1016	Bilateral Agreements and Inter-Agency MOU's on the Provision of DGNSS services in the frequency band 283.5	Ed 1.1	juin-01	déc-05	Radionavigation Services	Terrestrial augmentation services (DGNSS)
1017	The Assessment of training requirements for existing VTS Personnel, candidate VTS Operators and the revalida	Ed 1.1	juin-01	déc-05	Training and Certification	Training and assessment
1018	Risk Management	Ed 3	déc-00	mai-13	AtoN Planning and Service Requirements	Risk Management Toolbox
1020	Training Related to AtoN	Ed 1.1	déc-01	déc-05	Training and Certification	Training and assessment
1023	The Design of Leading Lines	Ed 1.1	déc-01	déc-05	AtoN Design and Delivery	Visual AtoN
1027	Simulation in VTS Training	Ed 1.1	juin-02	déc-08	Training and Certification	Simulation in training
1028	The Automatic Identification System (AIS) Volume 1, Part I Operational Issues	Ed 1.3	déc-02	déc-04	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
1029	The Universal Automatic Identification System (AIS) Volume 1, Part II – Technical Issues	Ed 1.1		déc-02	Digital Communication Technologies	Wide/Medium bandwidth systems (AIS & VDES)
1032	Aspects of Training of VTS Personnel relevant to AIS	Ed 1.1	juin-03	déc-05	Training and Certification	Training and assessment
1033	The Provision of Aids to Navigation for Different Classes of Vessels, including High Speed Craft	Ed 1	déc-03	déc-03	AtoN Planning and Service Requirements	Risk Management Toolbox
1035	Availability and Reliability of Aids to Navigation	Ed 2	juin-89	déc-04	AtoN Planning and Service Requirements	Level of service objectives, Availability and Categories
1036	Environmental Management in Aids to Navigation	Ed 2	déc-04	déc-13	AtoN Design and Delivery	Environment, Sustainability and Legacy
1037	Data Collection for Aids to Navigation Performance Calculation	Ed 2	déc-04	déc-09	AtoN Planning and Service Requirements	Level of service objectives, Availability and Categories
1038	Ambient Light Levels at which Aids to Navigation Lights should switch on and off	Ed 2	déc-04	mai-09	AtoN Design and Delivery	Range and performance
1039	Designing Solar Power Systems for Aids to Navigation	Ed 1	déc-04	déc-01	AtoN Design and Delivery	Power systems
1041	Sector Lights	Ed 2	déc-04	déc-08	AtoN Design and Delivery	Visual AtoN
1043	Light Sources used in Visual Aids to Navigation	Ed 1.2	déc-04	déc-11	AtoN Design and Delivery	Visual AtoN
1045	Staffing Levels at VTS Centres	Ed 1	déc-05	déc-05	Training and Certification	Human factors andergonomics
1046	Response Plan for the Marking of New Wrecks	Ed 1	juin-05	juin-05	AtoN Planning and Service Requirements	Risk Management Toolbox
1047	Cost Comparison Methodology of Buoy Technologies	Ed 1	déc-05	déc-05	AtoN Design and Delivery	Design, Implementation and Maintenance
1048	LED Technologies and their use in Signal Lights	Ed 1	déc-05	déc-05	AtoN Design and Delivery	Visual AtoN
1049	The Use of Modern Light Sources in Traditional Lighthouse Optics	Ed 2	déc-05	déc-07	AtoN Design and Delivery	Visual AtoN
1050	The Management and Monitoring of AIS Information	Ed 1	déc-05	déc-05	Information Services	Data exchange systems (Traffic Information)
1051	Provision and Identification of Aids to Navigation in Built-up Areas	Ed 1	déc-05	déc-05	AtoN Design and Delivery	Visual AtoN
1052	Quality Management Systems for Aids to Navigation Service Delivery	Ed 3	déc-06	déc-13	AtoN Planning and Service Requirements	Quality management, Record keeping
1053	The Submission of a DGNSS Service for Recognition as a Component of the IMO WWRNS	Ed 1	nov-06	nov-06	Radionavigation Services	Terrestrial augmentation services (DGNSS)
1054	Preparing for a Voluntary IMO Audit on Aids to Navigation Service Delivery	Ed 1	nov-06	nov-06	AtoN Planning and Service Requirements	Obligations, International & national criteria
1056	The Establishment of VTS Radar Services	Ed 1	juin-07	juin-07	Vessel Traffic Services	VTS technologies
1057	The use of Geographic Information Systems (GIS) by Aids to Navigation (AtoN) Authorities	Ed 1	déc-07	déc-07	AtoN Planning and Service Requirements	Risk Management Toolbox
1058	The Use of Simulation as a Tool for Waterway Design and AtoN Planning	Ed 2	déc-07	juin-11	AtoN Planning and Service Requirements	Risk Management Toolbox
1059	The Comparison of AIS Stations	Ed 1	mai-08	mai-08	To be withdrawn in coming IALA Council	-
1060	Recapitalisation of DGNSS	Ed 2	déc-08	juin-11	Radionavigation Services	Terrestrial augmentation services (DGNSS)
1061	Light Applications Illumination of Structures	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Visual AtoN
1062	The establishment of AIS as an Aid to Navigation	Ed 1	déc-08	déc-08	AtoN Planning and Service Requirements	AIS, AIS AtoN, Virtual AtoN
1063	Agreements for Complementary use of Lighthouse Property	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Environment, Sustainability and Legacy
1064	Integrated Power Systems Lanterns (Solar LED Lanterns)	Ed 1	déc-08	déc-08	AtoN Design and Delivery	Power systems
1065	Aids to Navigation Signal Light Beam Vertical Divergence	Ed 2	mai-09	déc-13	AtoN Design and Delivery	Visual AtoN
1066	The Design of Floating Aid to Navigation Moorings	Ed 1.1	mai-09	juin-10	AtoN Design and Delivery	Floating AtoN
1067-0	Selection of Power Systems for Aids to Navigation and Associated Equipment	Ed 1.1	mai-09	juin-11	AtoN Design and Delivery	Power systems
1067-1	Total Electrical Loads of Aids to Navigation	Ed 1	mai-09	mai-09	AtoN Design and Delivery	Power systems
1067-2	Power Sources	Ed 1	mai-09	mai-09	AtoN Design and Delivery	Power systems
1067-3	Electrical Energy Storage for Aids to Navigation	Ed 1	mai-09	mai-09	AtoN Design and Delivery	Power systems
1069	Synchronisation of Lights	Ed 1	mai-09	mai-09	AtoN Design and Delivery	Visual AtoN
1070	VTS role in managing Restricted or Limited Access Areas	Ed 1	déc-09	déc-09	Vessel Traffic Services	VTS operations
1071	Establishment of a Vessel Traffic Service beyond Territorial Seas	Ed 1	déc-09	déc-09	Vessel Traffic Services	VTS operations
1072	AtoN Information Exchange & Presentation	Ed 1	déc-09	déc-09	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)
1073	Conspicuity of AtoN lights at Night	Ed 1	juin-11	juin-11	AtoN Design and Delivery	Visual AtoN
1074	Branding and Marketing of Historic Lighthouses	Ed 1	déc-09	déc-09	AtoN Design and Delivery	Environment, Sustainability and Legacy
1075	A Business Plan for the complementary use of a Historic Lighthouse	Ed 1	déc-09	déc-09	AtoN Design and Delivery	Environment, Sustainability and Legacy
1076	Building Conditioning of Lighthouses	Ed 1	déc-09	déc-09	AtoN Design and Delivery	Design, Implementation and Maintenance
1077	Maintenance of Aids to Navigation	Ed 1	déc-09	déc-09	AtoN Design and Delivery	Design, Implementation and Maintenance
1078	The Use of Aids to Navigation in the Design of Fairways	Ed 1	juin-11	juin-11	AtoN Planning and Service Requirements	Risk Management Toolbox
1079	Establishing and Conducting User Consultancy by Aids to Navigation Authorities	Ed 1	déc-09	déc-09	AtoN Planning and Service Requirements	Risk Management Toolbox
1080	The Selection and Display of Heritage Artefacts	Ed 1	déc-11	déc-11	AtoN Design and Delivery	Environment, Sustainability and Legacy
1081	Provision of Virtual Aids to Navigation	Ed 1.1	déc-12	mai-13	AtoN Planning and Service Requirements	AIS, AIS AtoN, Virtual AtoN
1082	An Overview of AIS	Ed 1	juin-11	juin-11	AtoN Planning and Service Requirements	AIS, AIS AtoN, Virtual AtoN

1083	Standard Nomenclature to identify and refer to VTS centres	Ed 1	juin-11	juin-11	Vessel Traffic Services	VTS implementation
1084	Authorisation of AIS AtoN	Ed 1	juin-11	juin-11	AtoN Planning and Service Requirements	AIS, AIS AtoN, Virtual AtoN
1085	Standard Format for Electronic Exchange of AtoN Product Information	Ed 1	juin-12	juin-12	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)
1086	The Global Sharing of Maritime Data & Information	Ed 1	juin-12	juin-12	Information Services	Data exchange systems (Traffic Information)
1087	Procedures for the Management of the IALA Domains under the IHO GI Registry	Ed 2	déc-12	déc-13	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)
1088	Introduction to Preparing S-100 Product Specifications	Ed 1	déc-12	déc-12	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)
1089	Provision of Vessel Traffic Services (INS, TOS & NAS)	Ed 1	déc-12	déc-12	Vessel Traffic Services	VTS operations
1090	The Use of Audible Signals	Ed 1	déc-12	déc-12	AtoN Design and Delivery	Additional AtoN systems, Sound, Radar & Reflectors
1091	Bird Deterrents	Ed 1	déc-12	déc-12	AtoN Design and Delivery	Design, Implementation and Maintenance
1092	Safety Management for AtoN Activities	Ed 1	déc-12	déc-12	AtoN Design and Delivery	Design, Implementation and Maintenance
1093	The Management of Surplus Lighthouse Property	Ed 1	déc-12	déc-12	AtoN Design and Delivery	Environment, Sustainability and Legacy
1094	Daymarks for Aids to Navigation	Ed 1	déc-12	déc-12	AtoN Design and Delivery	Visual AtoN
1095	Harmonised implementation of Application-Specific Messages (ASMs)	Ed 1	mai-13	mai-13	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)
1096	Anticipated user e-Navigation requirements from Berth to Berth, for AtoN Authorities	Ed 1	mai-13	mai-13	Information Services	User requirements
1097	Technical Features and Technology Relevant for Simulation of AtoN	Ed 1	mai-13	mai-13	AtoN Planning and Service Requirements	Risk Management Toolbox
1098	The Application of AIS - AtoN on Buoys	Ed 1	mai-13	mai-13	AtoN Design and Delivery	Floating AtoN
1099	The Hydrostatic design of buoys	Ed 1	mai-13	mai-13	AtoN Design and Delivery	Floating AtoN
1100	The Accreditation and Approval Process for Aids to Navigation Personnel Training	Ed 1	mai-13	mai-13	Training and Certification	Competency certification and revalidation
1101	Auditing and Assessing VTS	Ed 1	déc-13	déc-13	Vessel Traffic Services	Auditing and assessing of VTS
1102	VTS Interaction with Allied or Other Services	Ed 1	déc-13	déc-13	Vessel Traffic Services	VTS operations
1103	Train the Trainer(VTS)	Ed 1	déc-13	déc-13	Training and Certification	Training and assessment
1104	The application of maritime surface picture for analysis in risk assessment and the provision of Aids to Navigat	Ed 1	déc-13	déc-13	AtoN Planning and Service Requirements	Risk Management Toolbox
1105	Shore-side portrayal ensuring harmonisation with e-Navigation related information	Ed 1	déc-13	déc-13	Information Services	Terminology and symbology (IALA Dictionary)
1106	Producing an IALA S-100 Product Specification	Ed 1	déc-13	déc-13	Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)
1107	The Reporting of Results of e-Navigation Testbeds	Ed 1	déc-13	déc-13	Information Services	Harmonised maritime connectivity framework (CMDS)
1108	The Challenges of Providing AtoN services in Polar Regions	Ed 1	déc-13	déc-13	AtoN Design and Delivery	Design, Implementation and Maintenance
1109	Theft and Vandalism Deterrents	Ed 1	déc-13	déc-13	AtoN Design and Delivery	Design, Implementation and Maintenance
1110	Use of Decision Support Tools for VTS Personnel	Ed 1	déc-14	déc-14	Vessel Traffic Services	VTS operations
1111	Preparation of Operational and Technical Performance for VTS Equipment	Ed 1	mai-15	mai-15	Vessel Traffic Services	VTS technologies
1112	Performance and Monitoring of DGNSS Services in the Frequency Band 283.5-325kHz	Ed 1	mai-15	mai-15	Radionavigation Services	Terrestrial augmentation services (DGNSS)
1113	Design and Implementation Principles for Hamonised System Architecture of Shore-based Infrastructure	Ed 1.0	mai-15	mai-15	Information Services	Harmonised maritime connectivity framework (CMDS)
1114	A Technical Specification for the Common Shore-based System Architecture (CSSA)	Ed 1.0	mai-15	mai-15	Information Services	Harmonised maritime connectivity framework (CMDS)
1115	Preparing for IMO Member State Audit Scheme (IMSAS) On Vessel Traffic Services	Ed 1	déc-15	déc-15	Vessel Traffic Services	Auditing and assessing of VTS

