

## B. Model course

## C68-11.1.1.2

### a. AtoN

Ref.	Edition	Title	TC	Work/Status
L1.1	Ed3	Marine Aids to Navigation - Manager Training	ENG	
L1.3	Ed2	Aids to Navigation manager training Level 1- Use of the IALA Risk Management Tools	ENG	
L1.4	Ed2	Aids to Navigation Management Training Level 1 – Global Navigation Satellite Systems and e-NAV	ENG	
L1.5	Ed2	Historic Lighthouse Projects	ENG	
L2.3.9	Ed2	Maintenance of Mercury Rotating Optics	ENG	
2.1.1 & 2.1.2	Ed1	Introduction to Aids to Navigation	ENG	
2.1.3 & 2.1.4	Ed2	Introduction to AtoN Buoyage	ENG	
L2.1.8	Ed2	Buoy Cleaning	ENG	
L2.1.12	Ed2	Maintenance of Plastic Buoys	ENG	
L2.1.13	Ed2	Maintenance of Steel Buoys	ENG	
L2.1.12	Ed2	Power Sources on Buoys	ENG	
2.6.1 & 2.6.2	Ed2	AtoN Service Craft and Buoy Tenders	ENG	
2.7.1 & 2.7.2	Ed2	Racon Beacons Maintenance	ENG	
L2.9.1 - 2.9.9	Ed2	Introduction to Radionavigation and DGNSS	ENG	
L2.1.9	Ed2	Introduction to Buoy Positions	ENG	
L2.1.14	Ed2	An introduction to shore marks	ENG	
L2.3.1 – 3	Ed2	Lights and Marine Lanterns	ENG	
L2.3.7 – 8	Ed2	Rotating Beacons and Classic lenses	ENG	
L2.3.10	Ed2	range, sector and precision direction lights	ENG	
L2.4.1 - 2	Ed2	Sound Signals	ENG	
L2.5.1 & 2	Ed2	Introduction to coatings and specifications; surface preparation	ENG	
L2.8.1	Ed2	AIS AtoN Operations	ENG	
L2.3.1 - 3	Ed1	Introduction to Marine Signal Lanterns	ENG	
L2.3.4 - 6	Ed2	Light Flashers Lamp changers and IPS lanterns	ENG	
L2.3.1 - 3	Ed2	Introduction to Marine Lanterns	ENG	
L2.11.1 - 5	Ed2	Marine Aids to Navigation Structures: Materials, Corrosion and Protection	ENG	
L2.11.7	Ed2	Maintenance Planning & Records	ENG	
L2.11.6	Ed2	Preservation of Structures	ENG	
L2.10.1 & 2	Ed2	Introduction to remote monitoring of AtoN	ENG	
L2:2.7	Ed2	Lightning Protection	ENG	
L2.2.5 & 6	Ed2	Mains AC Utility Power Systems; Diesel and Petrol Generators	ENG	
L2.1.5- 2.1.6	Ed2	Buoy Handling and Safe Working Practices	ENG	
L2.2.4	Ed2	Wind Generators	ENG	
L2.0	Ed3	Technician Training Level 2 – Model Course Overview	ENG	
L2.2.2	Ed1	Primary and Secondary Battery Maintenance	ENG	
L2.2.3	Ed3	Photovoltaic (Solar panel) systems and maintenance	ENG	
L2.2.1	Ed1	DC Power Systems	ENG	
L2.1.7	Ed3	Buoy Moorings	ENG	

### b. VTS

Ref.	Edition	Title	TC	Work/Status
V-103/1	Ed2	Model Course – VTS Operators Basic Training	VTS	
V-103/2	Ed2	Model Course – Vessel Traffic Services Supervisor - Advancement Training	VTS	
V-103/3	Ed2	Model Course – VTS On the Job Training (VTS Operator and VTS Supervisor)	VTS	
V-103/4	Ed2	Model Course – Vessel Traffic Services - On the Job Training Instructor	VTS	
V-103/5	Ed 1	Model Course- The revalidation process for VTS Qualification and Certification	VTS	
xxxx	xxxx	Planning, implementing, operating and managing VTS in developing countries	VTS	planned