



Marine Navigation Training Institute
Directorate General of Lighthouses and Lightships
IALA – WWA Level – 1 AtoN Manager Course
(04th Nov to 29th Nov 2019)



INTRODUCTION

MNTI is only the National Institute of Directorate General of Lighthouses and Lightships (DGLL) located at Kolkata, West Bengal, India which provides training on Aids to Marine Navigation. MNTI has been accredited by Competent Authority as a National Accredited Training Organisation (ATO) for imparting Level-1 AtoN Manager Training. MNTI had conducted 04-weeks Level-1 AtoN Manager training in the year 2018 at MNTI Kolkata as per the course module Level 1.1 of IALA in association with IALA. The aim of the course was to share ideas and bring close association among NIOR countries, others littoral states and National Maritime agencies including Ports. Based on feedback & requirement of various Maritime Authorities, MNTI has planned to conduct one Level – 1 AtoN Manager course in every year. The course for 2019 is scheduled from **04th Nov’ 2019 to 29th Nov’ 2019**.

THE EVENT

Marine Navigation Training Institute (MNTI), Kolkata will conduct IALA Model course on “**Level 1 Aids to Navigation (AtoN) Manager**” from 04th November to 29th November 2019. Participants who will complete the course and qualify in the written test of competency will be awarded **Level 1 AtoN Manager Certificate** by MNTI, Kolkata. Theoretical course principally covers the complete syllabus of IALA model course L1.1 for **Level 1 AtoN Managers** set out in IALA Recommendation R0141. Technical Visits and practical exercises are included.

OBJECTIVE

The course aims to enable participants to gain internationally recognised Aids to Navigation **Level - 1 AtoN Manager Certificate**. The course includes: • Module 1: International Organisation

and Law of the Sea • Module 2A: Nautical Knowledge (General) • Module 2B: Position, Navigation, Timing and Meteorology • Module 3A: AtoN Provision; Design and Management • Module 3B: Maintenance; Structures and Materials; Contracts; Environment; • Module 3C: Historic Lighthouses and Human Resources • Module 4A: Technical Functions – Visual AtoN • Module 4B: Technical Functions – Radio AtoN and AIS • Module 4C: Technical Functions – VTS and Routing • Module 4D: Technical Functions – Sound Signals; Communication; e-Navigation; Tide Gauges; Remote Monitoring • Module 5: Power Supply.

COURSE DELIVERY

The course will be delivered by the faculties of IALA World-Wide Academy, MNTI and endorsed experts from the subject field. Adequate time will be given for revision and tutorials.

ATTENDANCE

The course is targeted at those who plays/shall play the role of Aids to Navigation Managers in the Competent Authorities of Coastal States or their Aids to Navigation service providers. The language of training will be English. Maximum batch size is limited to 16 participants only. Participants are advised to bring their own laptop (not mandatory). All other course materials will be supplied by the MNTI.

FEE STRUCTURE

❖ Tuition Fee

- Not applicable for the participants nominated by national members of IALA, Major ports/State Maritime Boards/ State Maritime Authorities of India.
- **INR 1,00,000** for private candidates

*Note: Tuition fee shall include working lunch/Tea and snacks during training.



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❖ **Boarding, Lodging and Local conveyance for attending training :**

- Free of cost for 08 foreign participants nominated by national members of IALA. Nomination will be accepted on first come first serve basis.
- Private candidates and nominees of Major ports/ State Maritime Boards/ State Maritime Authorities to make their own arrangements.

The details of account are mentioned below for online fee submission.

Name of the Bank: Syndicate Bank, PAO LHLS
Noida - 201301
Account Name: LHLSNOIDABRANCH
Account Number: 88983170000020
IFSC Code: SYN0008898

VENUE

The course will be held at the Marine Navigation Training Institute, Kolkata, India.

PROGRAMME OUTLINE

Week One 04th Nov to 10th Nov 2019		
03-Nov-19	Sunday	arrival of Participants
04-Nov-19	Monday	Introduction, Administration brief, opening ceremony, Course introduction, Introduction to IALA, Principles of Navigation, Position at sea, Charts and symbols
05-Nov-19	Tuesday	Quiz, Tides and tidal flow, Under Keel Clearance, Ship classes and Nautical Publications, GMDSS and MSI, Introduction to ENC AND ECDIS, UNCLOS and Plotting Exercise.
06-Nov-19	Wednesday	Quiz, Meteorology, IALA MBS, Floating AtoN, Electronic Position Systems, RACONS, Tutorials
07-Nov-19	Thursday	Visit 1, Competent Authority, AtoN stakeholder
08-Nov-19	Friday	Quiz, Routeing and offshore structure, Tutorials, Pilotage; Bridge Management
09-Nov-19	Saturday	Weekend Free
10-Nov-19	Sunday	Weekend Free
Week Two 11th Nov to 17th Nov 2019		
11-Nov-19	Monday	Module 1 exam, visit 2, Technical, AtoN stakeholder
12-Nov-19	Tuesday	Feedback Exam, Tech. functions of visual AtoN, Measurement of light, Light characters and rhythms, Fixed AtoN, Floating AtoN, Moorings and top-marks
13-Nov-19	Wednesday	Resit Module-1, Quiz, Channel design and dredging, Sector lights and Leading Lines, Audible Sound Signals, Types of Radio AtoN, NT RADARs, Loran-C and e-Loran,
14-Nov-19	Thursday	Quiz, WWRNP and components, Introduction to AIS, Technical aspect of AIS and LRIT, GMDSS and IALA MRCP, Introduction to e-Navigation, Technical aspects of e-Navigation
15-Nov-19	Friday	Quiz, VTS, VTS visit, Task during Visit.
16-Nov-19	Saturday	Technical Visit
17-Nov-19	Sunday	Technical Visit



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Week Three 18th Nov to 24th Nov 2019

18-Nov-19	Monday	Review VTS tasks, Structures and materials, Historic Lighthouses, Exercise on Historic Lighthouses
19-Nov-19	Tuesday	Quiz, Types of Power Supply, Batteries and lightning Protection, Exercise on Batteries and tutorials.
20-Nov-19	Wednesday	Quiz, Tutorials, Study for Module 2
21-Nov-19	Thursday	Module 2 Test, Introduction to Planning Task Area, Chart Study on Task Area, Planning task, AtoN Register, Sailing Directions
22-Nov-19	Friday	Module 2 Feedback, Planning Task collection data, traffic analysis, preparation for SIRA analysis.
23-Nov-19	Saturday	Weekend Free
24-Nov-19	Sunday	Weekend Free

Week Four 25th Nov to 29th Nov 2019

25-Nov-19	Monday	Resit Module 2 Exam, AtoN Service Provision, Risk Management, SIRA, SIRA Planning task, Introduction to Level of service.
26-Nov-19	Tuesday	Quiz, The operational plan, Exercise on level of service planning task, AtoN availability objectives, review and planning, performance measurement and QM
27-Nov-19	Wednesday	AtoN Service delivery, stakeholder exercise in planning task, introduction SIRA making and motivation exercise. Result of Module 2, Continue planning task, Hand in SIRA spreadsheet, report, prepare group presentation, course dinner
28-Nov-19	Thursday	AtoN Maintenance, Contracts, Funding of AtoN Service, Protection of Marine environment, Human resource management, group presentation on planning task.
29-Nov-19	Friday	Test Module 3, Result of Module 3 and Award of Certificates, closing Ceremony

CONTACT US

The Director
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Registration Form

DGLL and IALA World - Wide Academy
Course to gain a certificate as Level 1 AtoN
Manager

04th November to 29th November 2019

(CAPITAL Letters Only)

Surname

First Name

Title Mr/Mrs/Dr/Capt. etc

Country

Organisation or Company

Address

Mobile Telephone

e-mail

a) I understand that this registration does not guarantee a place on the course. Neither will any charge be made until final selection has made.

b) I need an invitation letter for visa purpose: Yes No

Note:

The Completed form should be sent by email before 04th October 2019

Email: mnti@dgl.nic.in, dte-kol@gov.in

*All private participants required to pay the fees online as mentioned in the flyer



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DGLL and IALA WWA
Participant Information Form

To be Completed by DGLL

Event					
Start Date		Sponsor			
End Date				Action List Ref	

To be Completed by Delegate or Participant

Passport Details

Surname	
Given Names	
Position/Title	
Nationality	
Date of Birth	
Sex (M/F)	
Place of Birth	
Date of Issue	
Date of Expiry	

Contact Details of National Authority

Name of the Authority			
Address of Authority			
Country			
Name of Manager			
Telephone:		e-mail:	
Travel Details			
Date of Arrival	Flight No:	ETA	
Date of Departure	Flight No:	ETD	

Additional Information concerning the delegate or participant

Mobile No	
Dietary Requirements	
Religion	
Visa obtained on date	