

LEVEL ONE DISTANCE LEARNING



“The successful delivery of AtoN services depends upon competent and experienced personnel to implement and maintain such aids”. The acquisition of demonstrated competency as an international “Level 1” AtoN manager is achieved through passing the three examinations covering the 3 modules of the Level 1 AtoN manager course based on revised IALA model course L1.1.

The next course will commence on 11 June 2018. The syllabus comprises three modules. Module One covers IALA and its relationship with International Organisations; basic nautical knowledge including aspects of UNCLOS; an introduction to AtoN and the use of AtoN by mariners. Module Two covers technical aspects of AtoN. These two modules can be taken through this distance learning programme. They are supported by an introductory video and four revision quizzes accessed via the IALA website. The two tests of competency for Module One and Two can be taken in any location under the supervision of an approved invigilator.

Module Three (The Management of AtoN) is not suitable for distance learning. The Academy and other Accredited Training Organisations will deliver one-week module 3 courses in selected locations worldwide. Success on these courses will enable participants who have successfully completed Modules One and Two to qualify as fully-certified international AtoN managers in accordance with Recommendation R0141 (E-141).

The registration fee for Modules One and Two will be **€1,000** per module. The registration fee for the one-week module Three will be **€650**. Sponsorship for some potential participants may be available.

A maximum of 10 participants will be accepted for the distance learning course commencing on 11 June 2018. It comprises 3 videos and 7 lessons delivered using MS Office PowerPoint presentations. A **minimum time of 42 hours** is recommended for this self-study programme. The examination for Module One will be conducted on 26 September 2018. The distance learning course for Module Two will start in January 2019 and the one-week module 3 course will be held in either IALA Headquarters or another convenient location in April 2019. Subsequent courses will be advertised on the IALA website so that successful participants can achieve full certification within one year.

An application form can be downloaded from the website. Applicants who demonstrate a basic knowledge of AtoN management on a pre-qualification test will commence their study on **11 June**. All IALA member States are encouraged to support potential managers to participate in this programme.



IALA WORLD-WIDE ACADEMY DISTANCE LEARNING 2018 – Module One

June 2018

Introduction

“The successful delivery of AtoN services depends upon competent and experienced personnel to implement and maintain such aids”. The acquisition of demonstrated competency as an international “Level 1” AtoN manager is achieved through passing the three examinations covering the 3 modules of the Level 1 AtoN manager course based on revised IALA model course L1.1.

The “Level 1” syllabus comprises three modules. Module One covers IALA and its relationship with International Organisations; basic nautical knowledge including aspects of UNCLOS; an introduction to AtoN and the use of AtoN by mariners. Module Two covers technical aspects of AtoN. Module Three covers the management of AtoN

Distance Learning

Modules One and Two can be taken through a distance learning programme. They are supported by an introductory video and four revision quizzes accessed via the IALA website. The two tests of competency for Module One and Two can be taken in any location under the supervision of an approved invigilator. Module Three is not suitable for distance learning. The Academy and other Accredited Training Organisations will deliver one-week module Three courses in selected locations world-wide. Success on these courses will enable participants who have successfully completed all three Modules to qualify as fully-certified international AtoN managers in accordance with Recommendation R0141.

Modules One and Two comprise 17 and 23 lectures respectively. They are presented in MS PowerPoint format. Participants who pre-qualify for this DL project **should study IALA Model course L1.1** which can be downloaded from the IALA website ([www.iala-aism.org/products & projects](http://www.iala-aism.org/products&projects)). This contains the syllabus for all modules and explanations of the level of knowledge required for each sub-element of the syllabus.

Participants taking the second **Module One** course for 2018 will be sent their first lesson and explanatory notes on 11 June 2018. The programme is at Table 1 below. They are encouraged to make their own notes based on the detail contained on the PowerPoint slides. Exercises are included in the slides. **Note that all PowerPoint slides and presentations remain the copyright © of IALA (2018) and are not to be duplicated, copied or sent to another person without the express permission of IALA.**

A 6-minute introductory video and two 15-minute video quizzes have been filmed to assist participants with their revision. The first revision video covers lectures 1 to 10 and the second lectures 1 - 17. Both videos can be accessed via the “Training” section of the Academy page of the IALA website (www.iala-aism.org). Participants who wish to view the videos (which is strongly recommended) will need to register on the IALA website by selecting the “LOGIN” button on the top-right of the Home page and completing the registration form. The form contains the question “are you a distance learning participant?” Select “yes”. If you already have an IALA password, you will need to use your private email address and a new password. Once it is confirmed that the course registration fee has been paid, you will have access to the videos which will be available from the dates listed in the programme in Table 1 below.

The examination for this first phase comprises 60 short questions to be answered *from memory* within 1 hour. The pass mark is 50%. The examination will be sat in an appropriate location in late September 2018 under the supervision of an approved invigilator.

Those participants who pass the first test of competency successfully can register to take **Module**

Two which is planned to start in November 2018.

Pre-Course Self-Assessment and Registration

Potential participants will be sent a pre-course self-assessment test with instructions. This covers the **whole** of the Level 1 model course syllabus. Successful participants will need to gain over 20 marks on that test to qualify to continue the course. The closing date for the return of the completed pre-assessment test is Friday 1st June 2018.

Participants who have paid their registration fee of €1,000.00 will be sent the first lesson on Monday 11 June 2018. A further registration fee of €1000.00 will be charged for Module Two. The registration fee for the one-week module Three will be **€650**. Sponsorship for some potential participants may be available and will be considered on a case-by-case basis. Participants seeking sponsorship should contact the Vice Dean (stephen.bennett@iala-aism.org).

Course Material

Participants should obtain a copy of the IALA Maritime Buoyage System and other Aids to Navigation booklet (2nd edition 2010); 3 paper charts of their region at large (1: 10,000); medium (1: 25,000) and small (1: 100,000) scales and a copy of the international chart symbols booklet (BA 5011/INT 1). They will also require a set of basic drawing instruments and a scientific calculator.

Precision and Professionalism

Professional aids to navigation managers in national Competent Authorities, AtoN service providers or IALA Industrial Members use precise definitions and have facts immediately available to hand. They know, for instance, the difference between an AtoN and a navaid and the fact that 1 knot is equivalent to 0.51 metres per second. This course aims to reinforce such knowledge in pursuit of IALA's two strategic goals¹.

¹ Lecture 1 Slide 7 if you do not know already!

Module One - Programme

The first stage in the process to become an internationally recognised AtoN manager will be to study for Module One based on the syllabus set out in IALA model course L1.1. The programme is set out below. The examination comprising 60 short questions to be answered in 60 minutes will be held on 26th September 2018.

[Lesson] Lectures	Module and content	Date of transmission	Recommended Study Time
(i)	Video on an introduction to the course	7 June 2018	15 minutes
[1] 1; 2	IALA and its Academy; International Organisations	11 June 2018	5 hours
[2] 3 - 5	2A -Nautical Knowledge – Self Test; Principles of navigation; Position at sea; charts and symbols, vertical datum and map coordinates	25 June 2018	8 - 11 hours depending on previous experience
[3] 6; 7	Tides and tidal flow; Under Keel Clearance	16 July 2018	4 hours
[4] 8 - 10	Nautical Publications; Maritime Safety Information and Electronic Nautical Charts	30 July 2018	6 hours
1 - 10	Revision video 1A	13 Aug 2018	45 minutes
[5] 11; 12	UNCLOS and basic meteorology	27 Aug 2018	5 hours
[6] 13-15	The IALA MBS and an introduction to short-range AtoN	6 Sept 2018	8 hours
[7] 16; 17	Ships' routeing and bridge resource management	17 Sept 2018	4 hours
1 - 17	Revision video 1B	21 Sept 2018	45 minutes
	Test of Competency for Module One	26 Sept 2018	42 hours

Table 1. Module One Programme

Feedback

All the IALA World-Wide Academy's training is subject to strict quality control procedures based on the process of continuous improvement. Participants therefore are encouraged to provide feedback personally or anonymously to the course supervisor at the end of the course. A feedback form is at Annex A to this briefing which should be returned to the course supervisor by 8th October 2018.



Stephen Bennett
Vice Dean (course supervisor)

Annex A – Feedback Form

Please insert marks from 1 [bad] through 3 [satisfactory] to 5 [excellent] in the table below. Provide recommendations for improvement to a particular slide or more general recommendations in the two right-hand columns if you so wish

Brief, video or Lecture	Quality of Instructions	Quality of PowerPoint	Understanding of content	Slide to be improved	Recommended improvement
Pre-course brief					
Course introduction video					
1 - IALA					
2 – International Organisations					
3 – Principles of navigation					
4 – Position at sea					
5 – Charts, symbols and vertical datum					
6- Tides and tidal flow					
7- Under-keel clearance					
8– Nautical Publications					
9 – GDMSS and MSI					
10 – ENCs and ECDIS					
1 – 10 Revision video 1A					
11 – UNCLOS					
12 – basic meteorology					
13 – IALA MBS					
14 – floating AtoN					
15 – Electronic positioning systems and Racons					
16 – Routeing and anchorages					
17 – Pilotage and bridge management					
Revision video 2					

Other Comments or Recommendations: