



26 August to 20 September 2019

## Notice on China MSA and IALA World-Wide Academy AtoN Manager Model Course to gain IALA Certification as Level 1 AtoN Manager:

China MSA Aids to Navigation Training Center

- IALA and other International Organisations
- Basic Nautical Knowledge
- Introduction to AtoN
- The View from the Bridge
- Technical functions of visual and audible short-range AtoN
- Technical functions of short-range radio AtoN and Differential GNSS
- Vessel Traffic Services
- Structures, materials and historic lighthouses
- Power supplies
- AtoN Provision; Design and Management
- Maintenance, contracts, funding, human resources and protection of the marine environment
- Major planning task

**China MSA Aids to Navigation Training Center is accredited by China MSA and IALA, and it is a professional training institution which delivers AtoN training and capacity building.**

### The Event

China MSA Aids to Navigation Training Center will run a course for potential Level 1 Aids to Navigation managers in Shanghai, Xiamen Jimei University and Wenzhou AtoN Training Center from 26 August to 20 September 2019. Participants who complete the course and its written tests of competency will be awarded an IALA Level 1 Certificate for Aids to Navigation Managers by China MSA and IALA.

The course is conducted using IALA's model course L1.1 AIDS TO NAVIGATION MANAGER TRAINING. The model course consists of three modules and the major planning task. Each module is divided into two or more parts. It is one of a series of AtoN model courses of IALA. Full details are shown in IALA Recommendation R0141 (E-141). Visits and practical exercises are included to consolidate theoretical competencies gained.

### Objective

The course aims to enable participants to gain an internationally recognized Aids to Navigation Certificate as an AtoN Manager. The competencies to be gained include:

- Module 1A: manage effectively their interaction with IALA and get a satisfactory understanding of the role of the main international organisations governing and controlling safety of navigation.

- Module 1B: a basic understanding of nautical knowledge related to AtoN.
- Module 1C: a detailed understanding of the IALA Maritime Buoyage System and the ability to apply theoretical principles affecting the performance of AtoN to the management.
- Module 1D: the ability to understand maritime routing measures and the role of a ship's Master and Navigator and their interaction with professional ships' Pilots.
- Module 2A and 2B: the ability to apply both theoretical and practical principles effecting the safe and efficient operation of visual, audible and radio AtoN.
- Module 2C: a basic understanding of the function of VTS as a vital service to safe navigation, commercial efficiency and the protection of the marine and coastal environment.
- Module 2D: how AtoN structures and historic lighthouses can be protected and preserved as part of the effective delivery of AtoN service provision.
- Module 2E: the ability to select the most appropriate source of electrical power at AtoN stations; maximise battery life and to provide protection against the effects of lightning.
- Module 3A: the ability to apply internationally acceptable principles of navigation risk analysis to the effective management of AtoN service provision.
- Module 3B: the ability to work effectively as part of an AtoN management team tasked with the preparation and conduct of AtoN supply and/or maintenance contracts and projects whilst ensuring that the marine environment is properly preserved.
- Major planning task: generate all the major planning and management documents required by a fully competent national Competent Authority. This task aims to consolidate all the theoretical competencies gained during Modules 1, 2 and 3.

## Course Delivery

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The course will be delivered by the Dean of IALA World–Wide Academy, Mr. Omar, the Education and Development Manager of IALA World–Wide Academy, Mr. Kevin, the former President of IALA, Mr. David(South Africa) and the experts endorsed by China MSA.

Adequate time will be available for revision and tutorials.

## Attendance

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The course is targeted at those who will fulfill the role of Aids to Navigation managers in **the Competent Authorities of Asia Countries**. The working language will be English. Participants should have a good ability of English. If Candidates have scored IELTS Band 5 or equivalent, they will have the priority to participate in the course. In addition, participants should satisfy one of the following conditions:

- A degree in engineering or related sciences;
- A degree from an accredited maritime college;
- A seagoing Master' s Certificate or equivalent military naval qualification;
- A diploma in an engineering or related science and at least 3 years' fieldwork experience;
- A recognised qualification in a marine–related discipline (e.g. IHO hydrographic certificate);
- At least 2 years' work experience with a recognised AtoN service provider in a junior management capacity.

There is a limit of 14 participants in the course. Participants should provide their own laptop. All other course materials will be supplied.

Before the course, China MSA will evaluate the candidates who applied for the course and determine the final enrolled participants. A recommended list of pre–course study material based on IALA Recommendation and Guidelines will be provided to selected participants.

## Fee Structure

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China MSA will undertake all costs of the course, including food, accommodation and transportation in China, also the round–trip economy class international air fares and training subsidies. Invitation letters will be supplied if required.

Note that the deadline for initial application is April 30, 2019. The list of accepted participants will be published on May 15, 2019.

## Outline Programme

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26 August —1 September 2019, the 1st week (Shanghai City, Xiamen City)  
26 August: Participants arrive  
27 August: Opening Ceremony; Visiting Shanghai VTS Center and China Chart Center  
28 August: Visiting Shanghai Maritime Museum  
29 August: Visiting Shanghai AtoN Base; Travel to Xiamen  
30 August: Module 1A; 1B  
31 August: Module 1B  
1 September: Self–study

2 September —8 September 2019, the 2nd week (Xiamen City)  
2 September: Module 1B; 1C  
3 September: Module 1C  
4 September: Self–study; the 1st test (Module 1)  
5 September: Module 2A  
6 September: Module 2B; 2C  
7 September: Module 2D; 2E  
8 September: Self–study

9 September —15 September 2019, the 3rd week (Xiamen City, Wenzhou City)  
9 September: Module 2B  
10 September: Module 2A  
11 September: Self–study; the 2nd test (Module 2)  
12 September: Module 3A  
13 September: Travel to Wenzhou  
14 September: First Aids; Leadership; Seminar on AtoN Management  
15 September: Visiting historic lighthouse—Jiangxin Islet

16 September —20 September 2019, the 4th week (Wenzhou City)  
16 September: Module 3A  
17 September: Module 3A  
18 September: Module 3B  
19 September: the 3rd test (Module 3); AtoN planning;  
20 September: Closing Ceremony



## Brief Introduction to Wenzhou AtoN Training Center



Wenzhou AtoN Training Center located in Dongtou District, Wenzhou City, Zhejiang Province, the "Pearl of the East China Sea", has a beautiful environment and

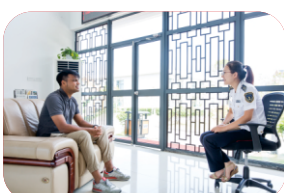
convenient transportation. The Center was built in early 2013 and covers an area of 23 acres. It is currently the only professional AtoN training institution that has got authentication from China MSA.

In accordance with the IALA WWA "Model Course Overview on Level 2 Technician Training", combined with the application of Chinese AtoN, the Center has developed a large number of standardized training courses for AtoN technician, and gained the authorization of Level 1 AtoN Manager Training Course of IALA WWA in 2015.

In order to promote the effectiveness of all kinds of training courses, Wenzhou AtoN Training Center has gradually established modernized training facilities, including multi-media classroom, computer classroom, chart room, lantern laboratory, AtoN cultural exhibition center. At the same time, the center has 24 modernized dormitories, a beautiful restaurant, a well-stocked reading room and other living facilities to offer better living circumstances for participants.

In October 2014 and May 2015, Mr. Jean-Charles Leclair, Dean Emeritus of IALA WWA and Mr. Stephen BENNETT, Vice Dean of IALA WWA successively inspected Wenzhou AtoN Training Center, and gave a high evaluation to the Center. In September 2017, Mr. Omar Frits Eriksson, Dean of IALA WWA also came to the center to deliver the lectures.

From 2015 to 2018, Wenzhou AtoN Training Center has successfully delivered four international level 1 AtoN manager model courses and provided training for 53 high-level AtoN managers from South Africa, Russia, India, Thailand, Vietnam, Cambodia, Sri Lanka, Malaysia, Indonesia, Georgia, Brazil, Singapore, Myanmar, Brunei, DPRK, Samoa and China. IALA WWA believes that China is leading Level 1 training from the front.



## Brief Introduction to Jimei University

Jimei University, one of the key universities in Fujian Province, is a multi-disciplined university and Doctoral Degree granting unit under co-construction of Ministry of Transport and Fujian province.



Jimei University enjoys a long history of over 90 years. Its origin can be traced back to Jimei Normal School founded by the famous patriotic overseas Chinese leader Mr. Chen Jiageng (Tan Kah Kee) in 1918. The school motto Sincerity and Perseverance was set up by Mr. Chen Jiageng and his younger brother Mr. Chen Jingxian (Tan Keng Hean). Jimei University owns excellent teaching quality and outstanding school characteristics. Running the university in the spirit of Chen Jiageng, cultivating talents with the personality of sincerity and perseverance is its distinctive feature.

With the strong educational strength and perfect conditions, Jimei University has an integration of 20 colleges and offers 56 postgraduate programs, 2 course master's programs in 10 fields and 66 undergraduate programs in nine disciplines: Engineering, Agronomy, Economics, Administration, Pedagogy, Science, Literature, Law and art. Presently, Jimei University has a total enrolment of more than 26,000 full-time students and over 1500 full-time teachers, among whom, over 200 professors and 580 associate professors. It has 4 characterized major construction projects at the national level, one state-level teaching team, one state-level modal center for experimental teaching, 11 characterized major construction projects at the provincial level, 37 provincial quality courses, 7 provincial teaching teams, and 9 provincial or ministerial key laboratories and research centers. Its library has a total collection of more than 2.28 million volumes, with over 2,700 newspapers and magazines in both Chinese and foreign languages. The library also owns a Digital Information Retrieval Center. Maritime education and Fisheries are the main features and specialties of Jimei University.



Registration Form

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**China MSA and IALA World–Wide Academy  
course to gain a Certificate as a Level 1 AtoN  
Manager**

**26 August to 20 September 2019  
China MSA Aids to Navigation Training  
Center  
Shanghai/Xiamen/Wenzhou**

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**Note that the deadline for initial application is April 30, 2019.**

Surname ..... Initials .....

First Name .....

Mr/Mrs/Dr/Capt etc. ....

Country .....

Organisaton .....

Address .....

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Mobile .....

Telephone .....

e-mail .....

Fax .....

Pre–qualification procedures apply. I understand that this registration does not guarantee a place on the course.  
Neither will any charge be made until final selection has been made.

I agree

**The completed form should be sent by April 30, 2019 to:**

**E–mail: 715858673@qq.com  
luyongqiang@shmsa.gov.cn**

**Contact phone: 0086 577 6347 9996  
0086 158 6961 0378**

