



13 September to 20 September 2026

Notice of China MSA and IALA Model Course L1.3 On The Use Of The IALA Risk Management Tools

The course includes the following:

- A self-study course on the Introduction to the IALA Risk Management Toolbox will be available from 15 July (~12 hours commitment).
- In-person training will be held from 13 to 20 September 2026 at Wenzhou Aids to Navigation Division, China MSA. For further information, contact China MSA: 715858673@qq.com or the IALA World-Wide

Academy: academy@iala.int

Introduction

The IALA Risk Management Toolbox is a set of tools developed by the IALA to conduct maritime risk assessments. The toolbox includes five tools: **IWRAP**, **PAWSA MK II**, **SIRA**, **IRMAS** and **Simulation**.

China MSA and IALA will run a risk management course in Wenzhou from 13 to 20 September 2026, focusing on the following IALA Risk Management tools and providing an overview of the others:

IWRAP is a standardized, quantitative method to evaluate the probability of collisions, groundings, and allisions in a given waterway. Using AIS data, IWRAP, a Windows-based software program, allows different scenarios to be developed so that changes such as those in traffic volume or composition, route geometry, aids to navigation or introducing other mitigating measures can be modelled.

SIRA is a simplified qualitative method for assessing the volume of traffic and degree of risk and identifying potential risk mitigation options to reduce the risks to acceptable levels. It is particularly applicable where good-quality AIS data, on which IWRAP depends, is unavailable or where access to individuals with the necessary experience level in the risk categories PAWSA uses is limited.

The course is designed for individuals responsible for overseeing waterway management as required by SOLAS Chapter V Regulations 12 and 13.

Course Delivery

The course will be delivered by global experts in waterway risk management using the IALA risk management tools.

- Training via self-study and distance learning will present the fundamentals of the IMO Formal Safety Assessment, ISO 31000 Standard on Risk Management, and the IALA risk

management tools.

- During in-person training, course participants will apply the IALA risk management tools to real-world scenarios and discuss the complementary use of the tools and stakeholder management.

Successful Risk Assessments

Successful risk assessments have been conducted globally. Some examples are presented below:

- IWRAP has been used to evaluate collisions involving wind farms in the Dover Strait.
- SIRA has been used in Liberia, Somalia, and the South-west Pacific community.
- PAWSA MK II was recently used by the Port of Antwerp and the Port of Beirut.

Goal

After completing this course, participants will be able to use the IWRAP and SIRA tools to assess, quantify, and manage risks in waterways, and to apply the results to support evidence-based decision-making in AtoN and waterway management.

Hardware-software and Data

- A Microsoft Windows 64-bit laptop with an external mouse is required to install IWRAP. A copy of the IWRAP software will be issued and installed on participants' laptops. Participants must, therefore, have an "unlocked" laptop. Please note that IWRAP does not work on Apple computers.
- Terrestrial AIS data and nautical charts will be provided for modelling in IWRAP, but students can use their own.

Attendance

The course is mainly targeted at those who will fulfill the role of Aids to Navigation managers in the Competent Authorities of various countries. It also targets other involved in the safe and efficient movement of vessels, including VTS providers, port authorities, pilotage providers, waterway managers, allied services, marine spatial planners, maritime regulators, training organizations and consultants.

The working language will be English. Participants should have a good ability in English.

Venue

The in-person training will be held at the Wenzhou AtoN Division, Eastern Navigation Service Center. It is located at 1638 Huimin Road, Lucheng District, Wenzhou City, Zhejiang Province, China, is responsible for managing and maintaining coastal public AtoNs from Cangnan Xiaguan to Ningbo Xiangshan.

Fee structure

- Registration fees: 1000 Euros
- China MSA, will generously, undertake all costs of training, accommodation, food and transportation in China for governmental officers/public servants in Competent Authorities.
- All participants will be responsible for funding their own return international airfares and visa application fees.
- Four seats are reserved for participants from private organizations, They need to undertake their own accommodation and food expenses. China MSA will cover their transportation (venue hotel transport and airport transportation). The hotel accommodation fee is 340 RMB per day and the food fee is 190 RMB per day.
- All the participants will be accommodated at the Westin Wenzhou Hotel (5*). The address of the hotel: No. 1067, Jinxiu Road, Lucheng District, Wenzhou City, Zhejiang Province China.
- Invitation letters will be supplied if required.

Note that the deadline for initial application is June 30, 2026. The list of accepted participants will be published on July 15, 2026.

Provisional Programme(The 13 to 20 September2026)

Day 1 : 13 September	
Participants arrive in Wenzhou	
Day 2 : 14 September	
Morning session	Opening ceremony. Review of the course: <i>Introduction to the IALA Risk Management Toolbox</i> .
Lunch	
Afternoon session	Lecture on the principles of risk management, the development and principles of SIRA
Dinner	
Day 3 : 15 September	
Morning session	Practical exercise on risk management using SIRA.
Lunch	
Afternoon session	Practical exercise on risk management using SIRA.
Dinner	
Day 4 : 16 September	
Morning session	Practical exercise on risk management using IWRAP.
Lunch	
Afternoon session	Practical exercise on risk management using IWRAP.
Dinner	
Day 5 : 17 September	

Morning session	Lecture on the development and principles of IWRAP.
Lunch	
Afternoon session	Technical visit.
Dinner	
Day 6 : 18 September	
Morning session	Lecture on the principles of PAWSA.
Lunch	
Afternoon session	Stakeholder management and facilitation of risk management workshops, simulation case studies.
Dinner	
Day 7 : 19 September	
Morning session	Discussion of the complementary use of the IALA risk management toolbox, workshop recommendations.
Lunch	
Afternoon session	Closing ceremony.
Dinner	
Day 8 : 20 September	
Participants disperse	

Registration Form

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13 September to 20 September, 2026

Wenzhou

Note that the deadline for initial application is June 30, 2026.

Surname : _____ Initials : _____

First name: _____

Gender. : _____

Country : _____

Organisation or Company: _____

Address: _____

Telephone: _____

Mobile: _____

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 before June 30, 2026.

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