



## IALA MODEL COURSE L1.3 ON THE USE OF THE IALA RISK MANAGEMENT TOOLS

Cost: €1,500.

Language: English

The course will be conducted via:

- **Self-study, distance learning** from the 10<sup>th</sup> to the 14<sup>th</sup> of July 2023 using the **virtual IALA Campus** (~6 hrs commitment)
- **In-person training** from the 24<sup>th</sup> to the 28<sup>th</sup> of July 2023 at the **IALA Headquarters in St Germain en Laye, France.**

For further information contact the IALA World-Wide Academy: [academy@iala-aism.org](mailto:academy@iala-aism.org) or visit the risk management section of the IALA website.

### INTRODUCTION

The IALA Risk Management Toolbox is a set of tools developed by IALA (International Association of Marine Aids to Navigation and Lighthouse Authorities) to conduct maritime risk assessments. The toolbox includes five tools: **IWRAP**, **PAWSA MK II**, **SIRA**, **IRMAS** and **Simulation**. The IALA World-Wide Academy offers a series of training and courses based on the model course “**Use of the IALA Risk Management Tools**”.

This training is intended for those responsible for ensuring the management as required by SOLAS Chapter V Regulations 12 and 13.

The IALA World-Wide Academy will run a training course on the following IALA Risk Management tools:

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

**PAWSA MK II** - a structured and systematic approach to:

- identify major waterway safety hazards;
- estimate risk levels, evaluate potential mitigation measures; and
- set the stage for the application of selected measures to reduce risk.

As a qualitative tool, PAWSA is exploratory. The analysis seeks a deeper understanding of why a particular phenomenon occurs, its associated consequences and the potential effectiveness of additional mitigation measures.

**SIRA** - a simplified qualitative method to assess the volume of traffic and degree of risk and identify potential risk mitigation options to reduce the risks to acceptable levels. SIRA 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 used by PAWSA is limited.

**IRMAS** - a standardized approach to documenting the process of risk assessment. IRMAS also develops a repository of operational risk assessments undertaken for small-scale applications.

### TRAINING DELIVERY

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

- Training via 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.

### GOAL

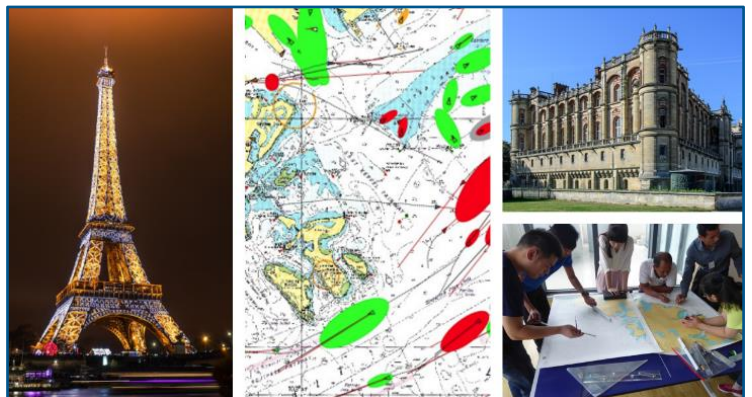
After completing this course, you will have a thorough understanding of the toolbox and be able to apply the tools to manage waterway risks.

### COURSE TARGET AUDIENCE

The course targets all those involved in the safe and efficient movement of vessels, including VTS and AtoN providers, port authorities, pilotage providers, waterway managers, allied services, marine spatial planners, maritime regulators, training organizations and consultants.

### 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.
- A copy of Microsoft Excel.
- A stable internet connection capable of supporting Microsoft Teams.



## VENUE

The in-person training will be held at the IALA-AISM Headquarters, 10 rue des Gaudines, 78100 St Germain en Laye, France.

## HOTELS

A list of hotels near the IALA Headquarters is published on the IALA website: <https://www.iala-aism.org/contact/>.

## REGISTRATION AND FEES

This course has a capacity of 40 spaces, and online registration is available on the IALA website. The course fee includes the following:

- Participation in all sessions
- All material presented at the course
- Full license for IWRAP for three months after the course
- Course welcome reception
- All lunches and coffee/tea breaks
- Course dinner on the evening of Day 3

## CANCELLATION POLICY

Cancellations must be sent by e-mail to [contact@iala-aism.org](mailto:contact@iala-aism.org). A refund in full of the registration fee will only be provided if notification is given at least one month before the event. Otherwise, a cancellation charge of 50% will be applied. Name changes will be accepted. In case of a no-show, 100% of the registration fee will be charged.

## PROVISIONAL PROGRAMME

Day 1	
Morning session	Opening ceremony, review of the 'Introduction to the IALA risk management toolbox' course and coffee break. Regional case study of the IALA risk management toolbox.
Lunch	
Afternoon session	Lecture on the development and principles of IWRAP, practical exercise on risk management using IWRAP, coffee break and welcome reception.
Day 2	
Morning session	Practical exercise on risk management using IWRAP and coffee break.
Lunch	
Afternoon session	Practical exercise on risk management using IWRAP and coffee break.
Day 3	
Morning session	Lecture on the development and principles of PAWSA MK II, practical exercise on risk management using PAWSA and coffee break.
Lunch	
Afternoon session	Lecture on the development and principles of PAWSA MK II, practical exercise on risk management using PAWSA, coffee break and dinner.
Day 4	
Morning session	Lecture on the development and principles of SIRA, practical exercise on risk management using SIRA and coffee break.
Lunch	
Afternoon session	Practical exercise on risk management using SIRA. Lecture on stakeholder management and facilitation of risk management workshops, discussion of the complementary use of the IALA risk management toolbox and coffee break.
Day 5	
Morning session	Lecture on risk management using Simulation. Question and answer session with an expert panel. Workshop recommendations, coffee break and closing.
Lunch and depart	