



## Distance learning course: Simplified IALA Risk Assessment (SIRA) Method

Duration: 1 week.

Time commitment: 10 - 12 hours.

Pace: blended (online lecture and self-study).

Language: English.

Cost: €500.

Cost includes participation in all sessions and a certificate of completion.

Online registration is available on the IALA website.

For further information please contact the IALA World-Wide

Academy: [academy@iala-aism.org](mailto:academy@iala-aism.org)

### INTRODUCTION

The SIRA method is a basic method for identifying the risk control measures needed to reduce the likelihood of undesired scenarios occurring, due to hazards within the waterway. The SIRA method can be used by all coastal States to implement their obligations under SOLAS Chapter V, Regulations 1, 12 and 13, which requires the Contracting Governments to provide Marine Aids to Navigation and vessel traffic services in a manner consistent with the volume of traffic and/or the degree of risk.

### GOALS

Upon the successful completion of this course, you will be able to:

- Discuss the purpose of the SIRA method.
- Apply the principles of the SIRA method.
- Explain the aim of each step of the SIRA method.
- Identify the resources the competent authority in your State will need to conduct the SIRA method.
- Identify the tasks to be carried out in each step of the SIRA method.
- Implement the SIRA method in a range of scenarios.

### SUGGESTED SKILLS

This course was designed for those involved in the design, marketing, and management of waterways.

### PREREQUISITES

Completion of the Introduction to the IALA Risk Management Toolbox and comprehension of IALA Guideline 1018 – Risk Management.

### HARDWARE AND SOFTWARE

Reliable internet connection capable of supporting MS Teams. Microsoft Excel.

### COURSE READINGS

Required reading material which will be referred to during the course:

- IALA Guideline G1138 - The Use of SIRA.



## PROVISIONAL COURSE SCHEDULE

### INTRODUCTION TO THE ADVANCED COURSE ON THE SIRA METHOD

During this meeting you will be introduced to the structure of the course and a case study of the application of the SIRA method.  
Pace: online lecture.

### CHAPTER 1: ADVANCED PRINCIPLES AND DEVELOPMENT OF THE SIRA METHOD

This chapter explains the principles and development of the SIRA method with reference to real-world scenarios.

Estimated study time: 1.5 hours.

Assessment type: quiz.

Pace: self-study.

Weight of the assessment: 25%.

### DISCUSSION: DEVELOPMENT OF THE SIRA WORKBOOK

During this meeting, your lecturer will guide you through the development of the SIRA workbook based on a defined real-world scenario.

Pace: online lecture

### CHAPTER 2: APPLICATION OF THE SIRA METHOD

In this Chapter, you will apply the SIRA method to a defined scenario.

Estimated study time: 5 hours.

Assessment type: case study (development of the SIRA workbook)

Pace: self-study.

Weight of the assessment: 50%

### CHAPTER 3: REVISION OF KEY CONCEPTS

In this chapter, you will consolidate your knowledge by reviewing key concepts of the course.

Estimated study time: 1 hour.

Assessment type: short answer and quiz.

Pace: self-study.

Weight of the assessment: 25%

### DISCUSSION: CASE STUDY REVIEW & CLOSING

During this meeting, you will be given the opportunity to discuss your application of the SIRA method to the scenario defined in Chapter 2.

Pace: online lecture.

Pace	Date	Title
Online lecture	Day 1	Introduction to the advanced course on the SIRA method
Self-study	Day 1 – Day 3	Chapter 1: Advanced principles and development of the SIRA method
Online lecture	Day 3	Discussion: Development of the SIRA workbook
Self-study	Day 3 – Day 7	Chapter 2: Application of the SIRA method Chapter 3: Revision of key concepts
Online lecture	Day 7	Discussion: Case study review and closing ceremony

Online lecture: real-time, instructor-led interaction.

Self-study: virtually online and through prepared resources, without real-time, instructor-led interaction. Self-study lectures will be available on the IALA learning management system.

