

Proposal Training Course “Navigation on smaller inland waterways” | Management level

Course Prefix and Number:	
Course title:	Smaller inland waterway navigation
Course Aim:	CP Danube skills Aim
Course Objective:	Management level 1.1 (CP)
Pre Requisites	Course is open to anyone who has completed the course “Navigation on operational level”. Note: this can be altered by national rules.
Intake Limitation:	Admittance may be limited by the capacity of the training infrastructure of the institute (i.e. 12 persons in a laboratory).
Course certificate:	On successful completion of the course, a document will be issued, stating that the holder is certified.
Course Duration:	5 Days (a week)/ 4 training days, 1 examination day
Final Evaluation Method:	Final evaluation will be based on the practical and theoretical tests. (i.e. Online training record book as a pathway for the course).

– **Course Description:**

A. Writing Requirement:

There is no writing assessment in this training course, by attending the course and passing the examinations successfully, students will receive a certificate from the training institute/academy.

– **Rationale: (Justification):**

- A) The course will offer several competencies to the students and advantages to the community by spreading awareness about the importance and use of smaller inland waterways in terms of environmental benefits, cost and time efficiency. Students will become capable of navigating in the smaller inland waterways efficiently.
- B) Inland navigation is a broad topic and involves many skills. Therefore, the skills that students will learn from the other courses involved in this program will be useful for this training course as well. Such as: operation of the craft and communications.
- C) The offerings of “smaller inland waterways navigation” training course will be different from the other courses taught. Therefore, it is essential to be mentioned that this training course is not a replacement of any other courses of the academic program.
- D) The course carries a total of >26 hours. Four days of training with a total 24 contact hours, which is consist of 12 hours of theory and 12 hours of practical training. Examination will be consist of two parts, which means 45 minutes of practical exam (simulator) per student and 1.5 hours of

theoretical exam (Multiple choice questions) for each trainee. The practical exam duration is not fixed because it is fully dependent on the number of the students (Group size).

- E) Trainers in this course are sufficiently trained, certified and experienced. They are very well capable of carrying their tasks.
- F) Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence in accordance with the methods for demonstrating competence and the criteria for evaluating competence:
 - a) Assessment of evidence obtained from approved training
 - a) Assessment of evidence obtained from approved radar simulator
 - b) Examination and assessment of evidence obtained from practical instruction or approved simulator training, where appropriate.

Or Examination and assessment of evidence obtained from one or more of the following:

- a) Simulator training, where appropriate.
- b) Laboratory equipment training.
- c) Practical demonstration experience and tests.
- d) Approved practical experience and tests

Combinations of both are also possible; for example

- a) Assessment of evidence obtained from practical demonstration.
- b) Assessment of evidence obtained from approved fire-fighting training and experience as set out in.
- c) Examination and assessment of evidence obtained from practical demonstration of operational procedures, using: (name the particular tool, equipment or device).

– **Measurable Learning Outcomes:**

The boat-master shall be able to plan a journey and conduct navigation on inland waterways including being able to choose the most logical, economic and ecological sailing route to reach the loading and unloading destinations taking into account the applicable traffic regulations and agreed set of rules applicable in inland navigation.

– **Methods of Instruction:**

The course will be instructed with the use of different methods. There will be theoretical classes where the students will learn about the basic things regarding the inland waterways, gain and improve their knowledge. Besides, there will be practical simulator sessions and in-service experience on a vessel.

– **Course Required Materials and resources:**

Fully equipped classes with an e-learning environment will be provided to the students. Based on the requirements students will get handouts as well. Simulator center, laboratory equipment's and required training materials will be provided to the students for the training sessions and practical work.

– **Course Outline (Syllabus):**

a) **Navigation:**

- i) plan a journey and conduct navigation on inland waterways European inland waterways including locks and lifts
 - 1) Traffic regulations and relevant traffic supervision tools
 - 2) Economical and ecological aspects of the craft operation
 - 3) Technical structures and profiles of the waterways

- ii) knowledge of the applicable rules on inland waterways Safe manning
 - 1) Safe manning

- iii) Sail and manoeuvre in all conditions on inland waterways
 - 1) Geographical, hydrological, meteorological and morphological characteristics
 - 2) Mooring, unmooring and towage operations
 - 3) Use of electronic navigation aids
 - 4) Effects of current, waves, wind and water levels
 - 5) Propulsion and manoeuvring systems
 - 6) Sail and manoeuvre in high traffic

- iv) Respond to navigational emergencies on Inland waterways
 - 1) Precautions in an emergency
 - 2) Refloating with or without assistance
 - 3) How to handle collision situations

- v) Practical training (Simulator)

