

HINT

Approaches to education and jobs

Harmonized Inland Navigation Transport through education and information technology

Belgrade, November 7th, 2012

Ana Leganel, CERONAV – Romanian Maritime Training Centre

HINT: Status Quo

Submitted last November under the 4th call launched by the SEE Programme

18 partners from 8 countries (AT, SK, HU, RO, BG, HR, RS, UA)

Duration: 2 years

Foreseen starting date: September 2012

Approval with conditions: October 2012

New foreseen starting date: February 2013

HINT: Main objectives

1. Integration of Danube Region into the European harmonized education process
2. Development of training and assessment IT applications and tools
3. Creation of framework conditions for transnational cooperation
4. Development of concepts for onboard and simulator practical training
5. Promotion of IWT jobs

HINT: Approaches to education and jobs

Support and promote the emergence and implementation of harmonized European Standards of Training and Certification in Inland Navigation - STCIN

- Cooperation with EDINNA
- Common STCIN promotion strategy
- Impact study at national/ transnational level
- Promotion campaign (national workshops, transnational actions)



HINT: Approaches to education and jobs

Development of new IT tools to support trainees in the learning process

- Set up of a self-assessment platform for ADN certificate
- Development of case studies for individual or team learning activities
- Development of related multimedia materials
- Organization of national workshops with stakeholders and target groups
- Development of new learning modules within INeS Danube Platform (e.g. RIS)



HINT: Approaches to education and jobs

Development of concepts for onboard and simulator practical training

- Danube school ship (type of vessel, ownership, route, costs, financing issues)
- Business and technical concepts for navigation simulator and ports/ logistics simulator
- Harmonized concept for onboard vs. simulator training (competences/ skills, equipment, teaching aids, pre-requisites of trainers)



HINT: Approaches to education and jobs

Transnational IWT jobs campaign

- Transnational cooperation between existing ITCs
- Investigation of local available workforce and job opportunities in IWT
- Workshops, info days, career days, national/ European fairs
- Advertisements, promotion materials





STCIN - Standards of Training and Certification in Inland Navigation

Belgrade, November 7th, 2012

Gabriel Benga, University of Craiova, IMST Department



STANDARDS OF EDUCATION AND
TRAINING IN INLAND NAVIGATION



25 members of
Inland Navigation
Education and Training
Institutes

8 associated members
recognised as a NGO by
CCNR

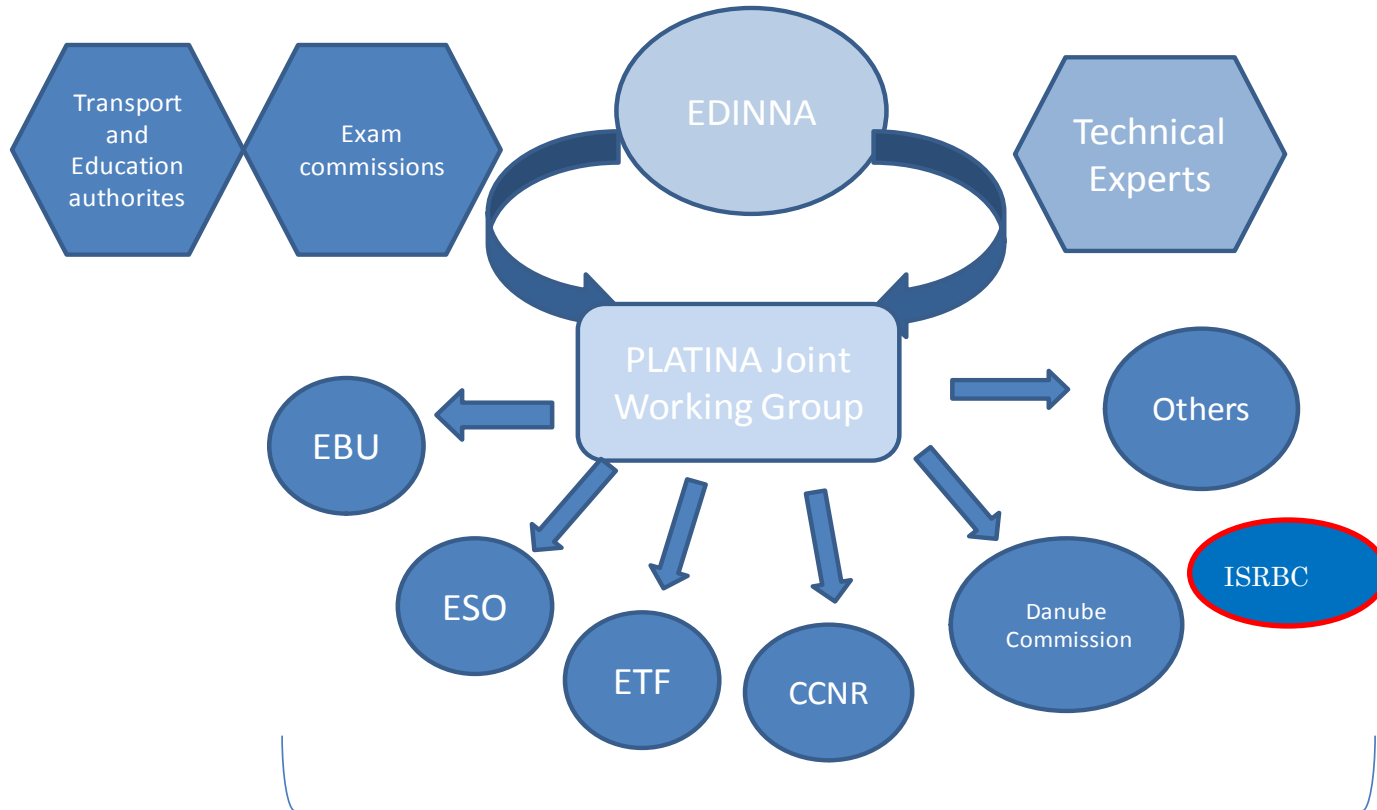
www.edinna.eu



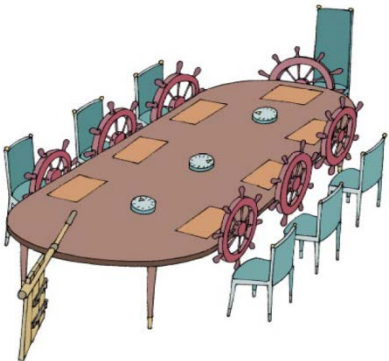
STANDARDS OF EDUCATION AND
TRAINING IN INLAND NAVIGATION



Joint Working Group

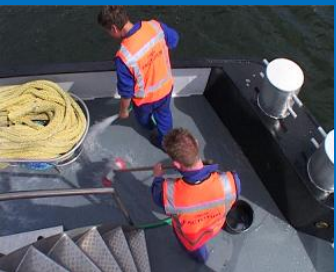


Interim feedback with national member organisations in order to increase transparency and acceptance of proposals



Competencies OL en ML

1. Navigation
2. Cargo Handling, stowage and passenger transport
3. Controlling the operation of the ship and care for persons on board
4. Marine, electrical, electronic and control engineering
5. Maintenance and repair
6. Communication
7. Safety, health and environmental protection



Education
In Inland
Navigation



ML 1. Navigation

The boatmaster chooses the most logical and economical sailing route to reach the loading and unloading destinations taking into account most efficient sailing time schedule according to actual circumstances.

1.1 Plans a journey on inland and maritime waterways and conducts navigation on European inland waterways. Is able to:

Column 1	Column 2	Column 3	Column 4
COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY	METHODS FOR DEMONSTRATING COMPETENCE	CRITERIA FOR EVALUATING COMPETENCE
1. Navigate on European inland waterways including locks and lifts according to navigation agreements with agent.	<ol style="list-style-type: none">1. Knowledge of national and international waterways used by inland navigation;<ul style="list-style-type: none">• Geographical location of rivers, canals, seaports, inland harbours and the relationship with cargo flows.2. Knowledge of CEMT classification of inland waterways;<ul style="list-style-type: none">• Dimensions of the waterway in relation to ships dimensions using modern information systems.3. Knowledge and ability to calculate water levels, depth and (air) draught using relevant information sources.4. Knowledge and ability to calculate distances and sailing time using Information sources concerning distances, locks, restrictions and sailing speed/time.5. Knowledge and ability to take into		

OL 1. Navigation

The boatman is able to assist in an adequate way with mooring and anchoring operations enabling the start or end of the ships voyage.

The boatman is able to assist in an adequate way with sailing and manoeuvring of the ship in a nautical safe and economical way.

The boatman is able to assist in an adequate way to prepare the ship for sailing in order to ensure a safe voyage in all circumstances.

1.1 Assists the ships management in situations of manoeuvring and handling a ship on inland waterways, using all types of waterways and ports and is able to:

Column 1	Column 2	Column 3	Column 4
COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY	METHODS FOR DEMONSTRATING COMPETENCE	CRITERIA FOR EVALUATING COMPETENCE
1. Assist with mooring, unmooring and hauling (towage) operation	<ol style="list-style-type: none">1. Knowledge and ability to use general equipment on board different types of vessels, e.g. bollards and winches of mooring and unmooring manoeuvres.2. Knowledge and ability to use materials available on board such as ropes and wires considering relevant safety measures such as use of Personal Safety Equipment (PSA).3. Communicates with the wheelhouse from the bow or aft using VHF and intercom communication systems and hand signals.4. Knowledge of the effects of water movement around ships and local effects on sailing circumstances including the effects of trim, shallow water relating to ship's draught.5. Knowledge of the effects of water movement and effects around the ship during manoeuvring including		

After the delivery of D 3.13 of Platina to the project officer the work on the tables of competencies with respect to column 1 and 2 has been finished.

The EU Commission valued the work executed on the strategy towards standardization of training standards and for this reason launched a call for proposals within the funding instrument of **Marco Polo** for the provision of Technical Assistance for the preparation of new initiatives as regards the future developments of the IWT sector.