Memory of Understanding

15 EU Inland Shipping Schools signed the MOU at Strasbourg
First Formation and Assembly meeting
20 EU Inland Navigation Schools Member of Edinna
EDucation in Inland Navigation

20 IWT Education Institutes

EDINNA-BOARD

Chairman
Secretary
Vice-Chairman
Advisory Officer

EDINNA-MEMBERS

General Assembly
Annual meeting

Advisory task groups
i.e. „Professional profiles“
„Language“

Elects Board

Appoints

Appoints

Ad hoc Working groups
Board of Edinna

- Chairman – Mr. Arjen Mintjes
- Vice Chairman – Mr. Hans Gunter Portmann
- Secretary – Treasurer - Mr. Rob van Reem
- Advisory Officer – Mr. Mihai Ghiba
- Advisory Officer – Mrs. Diona Munteanu
Edinna working plan

• Cooperation on the subject EU harmonisation of inland navigation education and training.

• Development of the Standards of Training and Certification Inland Navigation (STCIN)

• Cooperation on the subject communication and language in navigation on inland waterways

• Development of Edinna website

• Development of exchange programmes
STCIN
Standards of Training and Certification for personnel in Inland Navigation
Introduction

• There is no level playing field with respect to education, training and certification on European Inland Waterways.
Differences

Skipper - Cargo Handling

Countries

Knowledge
Skills
Independence responsibility
Learning competence
Communication and Social competence
Professional competence

Sailor - Cargo Handling

Countries

Knowledge
Skills
Independence responsibility
Learning competence
Communication and Social competence
Professional competence
Reasons for revision

• No uniform standards of competence
• Just national control on the implementation of the standards by IWT countries.
• No control on national curricula of move up qualifications to higher education levels.
Reasons for revision

- Modernisation should be the lead in flexible legislation
- Only the boat master license described
- Recognition of certificates does not lead to a harmonised system of education and training for inland waterway personnel
- Strategy for harmonisation.
Vocational education

- Comparison on national level difficult because of various training programmes
- Vocational training connected to national legislations
STCIN integrated in education

- Mathematics
- Culture
- History
- Geography
- Physics
- Politics
- Technics
- Language
Proposed solution

- In addition each country can apply their own national curriculum and use both in vocational education and training.
Proposed solution

- Administrations demanding knowledge of conditions for navigation on specific river stretches can apply this within an apart chapter of the document.
- Based on crewmembers deck and engine department enabling to choose for separated or integrated education and training.
Aims for improvement

- To clarify the skills and competence required taking into account modern training methods.
- To enable Administrations to maintain direct control over and endorse the qualifications.
- To have the amendments into force with the least possible delay.
Competences operational level

Education
Inland Navigation
Standards operational level
Deckhand/Sailor and prerequisite for management level

- Safety
- Navigation
- Cargo Handling and stowage
- Controlling the operation of the ship
- Marine engineering
- Electrical, electronic and control Engineering
Competences management level

Education
Inland
Navigation
Standards (general) management level  
(Master IWT)

- Safety
- Navigation
- Cargo Handling and stowage
- Controlling the operation of the ship
- Marine engineering
- Electrical, electronic and control Engineering
Supplements

- Dangerous goods - ADN(R) N-C-G
- Entrepreneur
- Crisis-Crowd Management (Passenger)
### Format Competences

<table>
<thead>
<tr>
<th>COMPETENCE</th>
<th>KNOWLEDGE, UNDERSTANDING &amp; PROFICIENCY</th>
<th>METHODS FOR DEMONSTRATING COMPETENCE</th>
<th>CRITERIA FOR EVALUATING COMPETENCE</th>
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<tbody>
<tr>
<td></td>
<td>• APPROVED IN SERVICE EXPERIENCE</td>
<td>• APPROVED TRAINING SHIP EXPERIENCE</td>
<td>• APPROVED SIMULATOR TRAINING</td>
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<td>• APPROVED LABORATORY EQUIPMENT TRAINING</td>
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<td>• APPROVED LABORATORY EQUIPMENT TRAINING</td>
</tr>
</tbody>
</table>
Knowledge & understanding

Values & Motivation

Skills

Attitude & Character

Competence

Think

Do

Want

Being

Education

In Inland Navigation
Practical Training Terminal Operations

Hear and forget
See and remember
Do and understand

Education
In Inland Navigation
Training Radar Navigation

Education
In Inland Navigation
Training communication

At school

At the training ship

Education
In Inland Navigation
Training Logistics

Logistic chain simulator

Education
In Inland Navigation
Training Navigation Simulator

Education
In Inland Navigation
Training Daily Environment

Education
In Inland Navigation
Mandatory practical sailing time.

- Modern training facilities such as simulators can be implemented in the education and training system.
- Shorter mandatory practical sailing time.
Advantages

- Equal level of professional competences.
- Applicable in vocational education as well as in adult training courses.
- No discussion on national move up qualifications to higher education levels.
- Recognition only on professional competence level.
- Possibilities of exchange knowledge between IWT education and training institutes.
Advantages

- Enables separation between deck and engine room functions as well as integrated functions.
- Enables procedures with earlier obtained competences and/or assessments.
- Certification and licences exchangeable.
Edinna Partnership meetings

- September 2009 week 39 Duisburg
- April 2010 week 17 INSI, Mont Saint Aignan
- June 2010 week 25 IMST, Craiova
- September 2010 week 39 Zespol, Naklo nad Notecia
- April 2011 week 17 Wenen
- June 2011 week 25 Maritieme Academie Harlingen
Thank You

- Questions