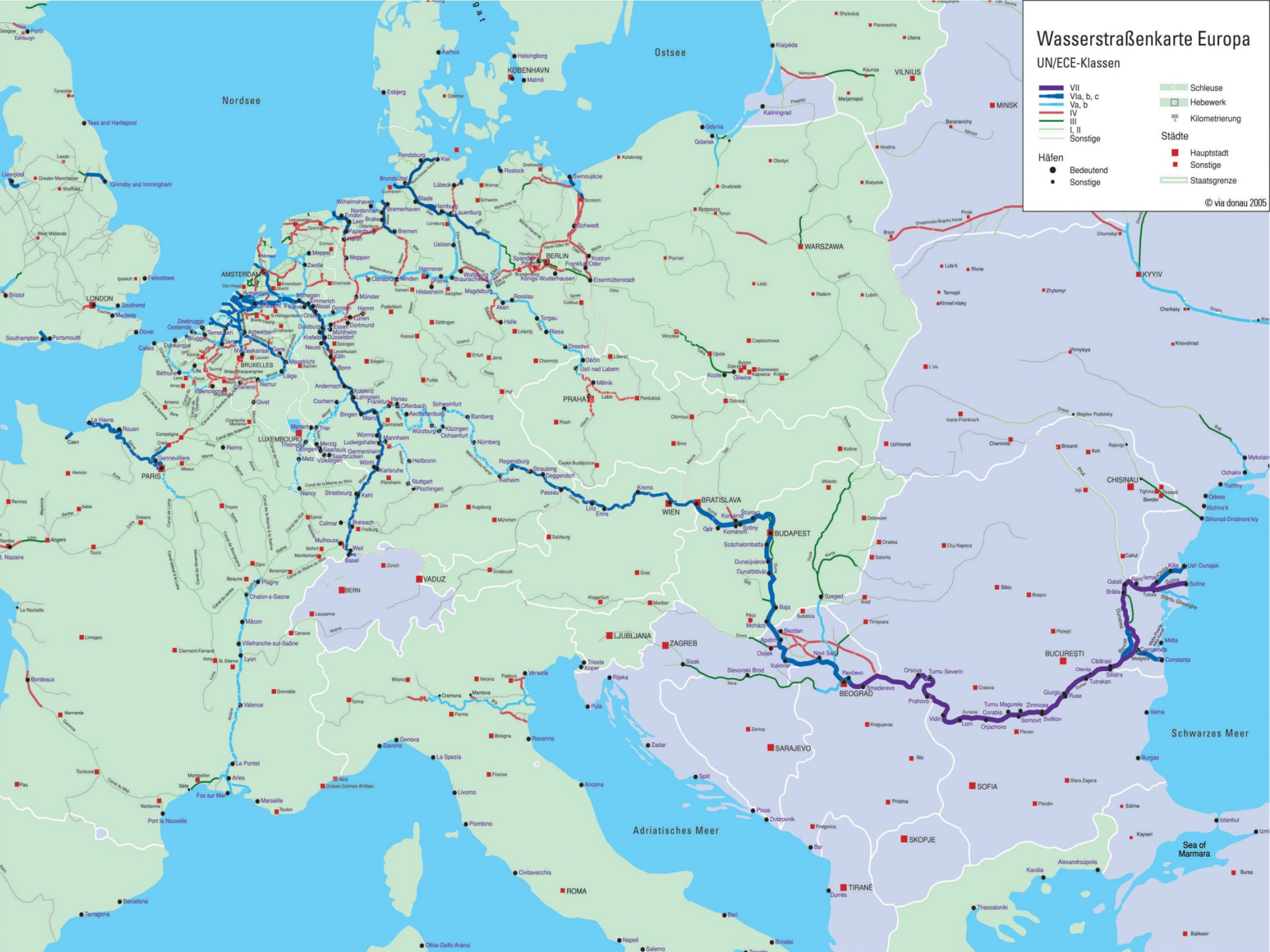# Harmonization of Education and Training in the European IWT sector

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Chairman EDINNA (Education in Inland Navigation)
Director *Maritieme Academie Holland*

Geneva
12.11.2014

Wasserstraßenkarte Europa

UN/ECE-Klassen

VII	
VIa, b, c	
Va, b	
IV	
III	
I, II	
Sonstige	

Schleuse
Hebewerk

900 km Kilometrierung

Häfen
● Bedeutend
● Sonstige

Städte
■ Hauptstadt
■ Sonstige

Staatsgrenze

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Outlook on the subjects

Revision EC/95/50

PLATINA II

E-SRB

Leonardo da Vinci

CMINET

STCIN

TTIET

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Revision of the 96/50/EC

The EC initiative aims to ease road congestion and its attendant pollution by promoting a switch to greener transport modes for European freight traffic (MARCO POLO)

Participation in the Common Expert Group on professional qualifications and training standards in inland navigation (CEG)

Revision of the directive 96/50/EC on mutual recognition of boatmasters certificates in order to include all European IWT personnel

State of the initiative: Impact Assessment conducted and completed, Public consultation published, Non-paper published

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Actual Non-paper

Implementation of a mutually recognised competence based learning system - introducing minimum standards and obligatory assessments and examinations

Streamlining the legal framework in professional Qualifications in order to ensure workers mobility and a high level of safety in navigation

Defining the professional qualifications and competences in inland navigation according to the STCIN – Competence tables

Standards for competencies and qualifications on ML and OL incl. required experience and method of demonstration

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Actual Non-paper

Procedure for identifying requirements waterway-stretches that require Knowledge of Specific Situations (KSS)

Procedure for the implementation of a harmonized EU service record book/logbook – including a registration system for this documents

Standards for physical and metal fitness for each qualification (ML/OL)

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PLATINA II
2014

(Platform for the Implementation of NAIADES II)
successor of the FP7 based PLATINA program – started in late 2013

Programme consists out of 4 individual work packages

WP 1	=	Markets and Awareness
WP 2	=	Innovation and Fleet
WP 3	=	Jobs and Skills
WP 4	=	Infrastructure

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**PLATINA II
WP 3**

Initiatives for the use of Simulators, the implementation of a electronic Service Record Book as well as for the promotion of IWT in general Logistic

Most advanced in this stage: the electronic Service Record Book (e-SRB)

Aim of the initiative on e-SRB

Exploring possibilities for a electronic version of a Service Record Book

Exploring possibilities for a centralized Register of all SRB's

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E-SRB approach

Two different possible models are in discussion:
Internet based (AIS based) and Chip card based

Chip Card Based: Closed System with personalised Card for every worker and a set of hardware-components on board – only directly controllable

Internet Based: Web based system accessible through personal safety measures (code, fingerprint etc.) – Real time control possible

Centralised register, or connected decentralized registers of all issued SRB's

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E-SRB progress

First cost estimation for the necessary hardware and software development was delivered to the EC

Existing Real live prototypes from the sector were investigated (TIMMAS)

A questionnaire with respect to the necessary components of an e-SRB and the possible combination with an electronic logbook has been published (CEG) and evaluated
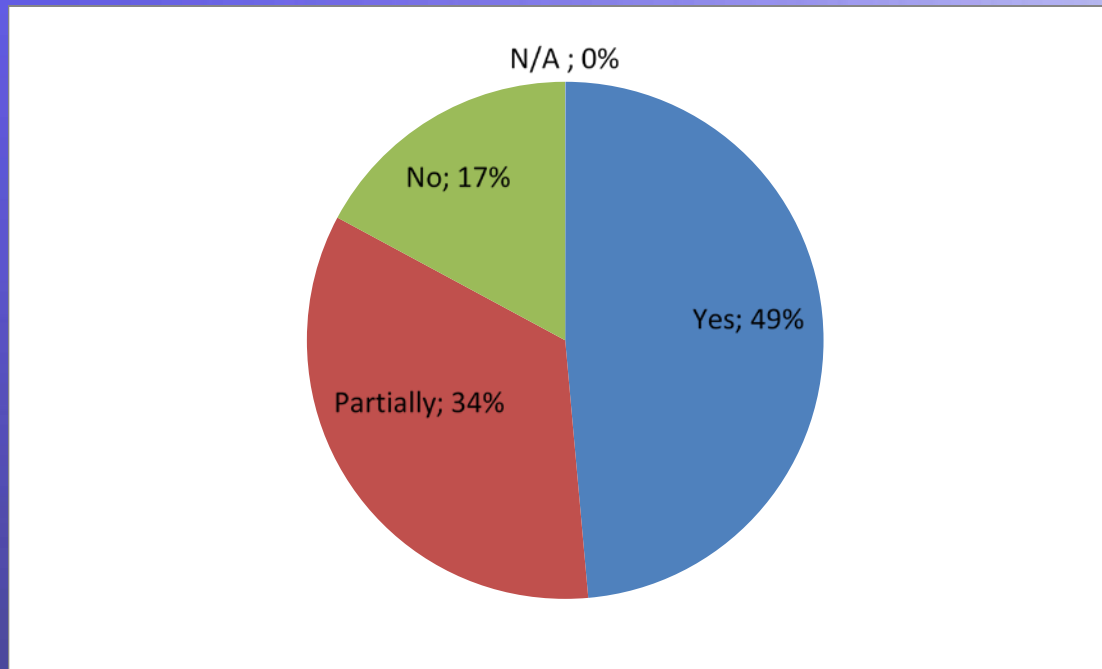
A set of interviews with boatmen and boatmasters to identify their needs has been conducted in the Netherlands, Germany and Romania.
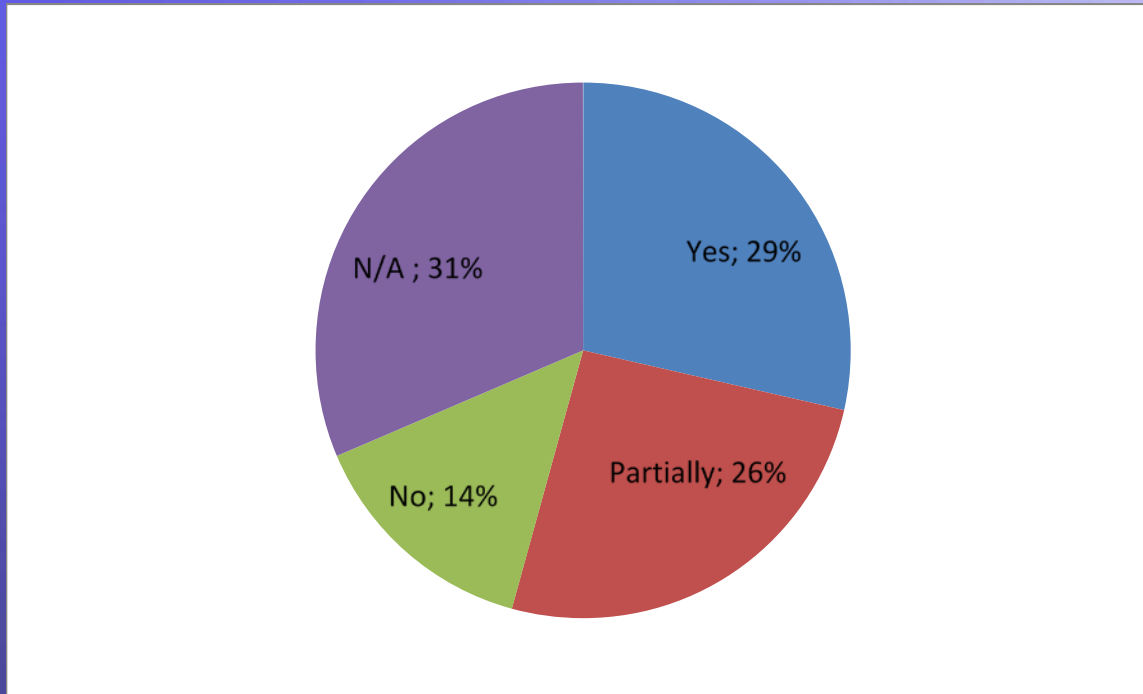
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1. **Is the current system sufficiently preventing incorrect use and identification (fraud)?**
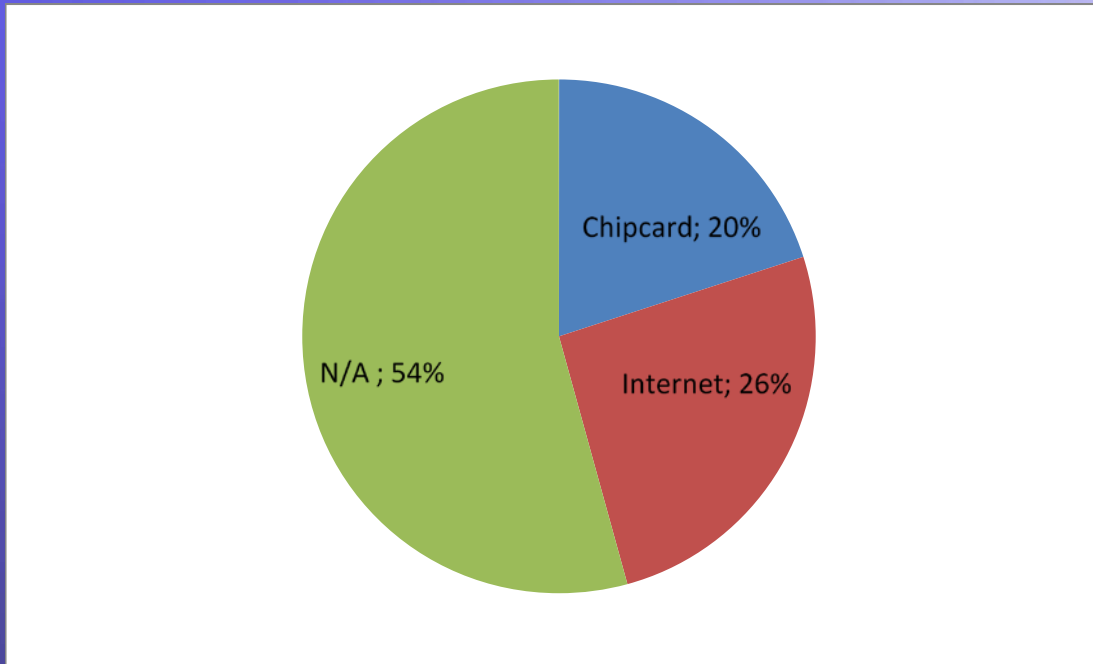

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1. **Would the introduction of electronic Service Record Books (e-SRB) be beneficial for inland navigation?**

N/A ; 31%

Yes; 29%

Partially; 26%

No; 14%

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1. In your opinion: Would you prefer a Chip-card or a web-based (internet) solution?

Chipcard; 20%

Internet; 26%

N/A ; 54%

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Leonardo da Vinci 2014

The Leonardo da Vinci Program funds practical projects in the field of vocational education and training. (Lifelong Learning)

The program shall enable organizations in the vocational education sector to work with partners from across Europe

- ✓ Participation in the LdV program on "Course Manuals" in the European IWT education and training
- ✓ Participation in the LdV program on pre- defined "Train the Trainer" courses to achieve a common, high standard for teaching staff and courses

LDV ended in 2014 – Following projects will be subsumed under the roof of ERASMUS+

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**CMINET
2014**

Course Manuals for a harmonised education of IWT workers on all levels in Europe

Based on the STCIN competence tables - developed during PLATINA I

The pattern of the Course Manuals should be comparable to the IMO Model Courses

Project has entered its final stage

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CMINET 2014

Prototype Course Manual for the Management Level is currently und last revisions

Prototype Course Manual for the Operational Level is finished

Next step: a comparative Analysis with the educational system of another bordercrossing sector (preferably not maritime)

During this project, the columns 3 and 4 of the original STCIN tables were filled with content for the first time

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During this project, the columns 3 and 4 of the original STCIN tables were filled with content for the first time

Column 1	Column 2		Column 3	Column 4
COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY		METHODS FOR DEMONSTRATING COMPETENCE	CRITERIA FOR EVALUATING COMPETENCE
Assist with mooring, unmooring and hauling (towage) operation	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).		
Assist with couple operations of push barge combinations	1.	Knowledge and ability to connect and disconnect push/barge combinations using approved equipment and material.		
	2.	Knowledge and ability to apply safe working rules and communication with crewmembers involved.		
Assists with anchoring operations	1.	Knowledge of anchoring equipment and procedures in various circumstances.		
	2.	Knowledge and ability to assist with anchor manoeuvres: prepare anchor equipment for anchoring operations, presenting anchor, giving sufficient amount of cable to veer initially. Determination when the anchor holds the ship at its position (anchor bearing). Securing of anchors on the completion of anchoring. The use of dragging anchors in various manoeuvres. Handling of the anchor signs.		

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During this project, the columns 3 and 4 of the original STCIN tables were filled with content for the first time

Column 1	Column 2	Column 3	Column 4
COMPETENCE	**KNOWLEDGE, UNDERSTANDING AND PROFICIENCY**	**METHODS FOR DEMONSTRATING COMPETENCE**	**CRITERIA FOR EVALUATING COMPETENCE**
Assist with mooring, unmooring and hauling (towage) operation	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)	Examination and assessment of evidence obtained of one or more of the following if appropriate: • In service experience on a vessel • Approved simulator • Laboratory equipment	Spoken communication is relevant to mooring, unmooring (towage) according to Riverspeak. Operations are clear, correctly interpreted and understood. Mooring, unmooring and hauling (towage) operations are carried out in accordance with established safety practices, environmental circumstances and equipment operating instructions.

New Version

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**TTIET
2014**

Development of pre defined Train The Trainer Courses for IWT education and training

Projectis subsequently develops the CMINET results for further use

A Didactical Manual for a "simulator trainer – training course" is already developed

A pilot training shall be conducted by the beginning of 2015

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Thank you!

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