River Information Services (RIS)
Multi-Annual Call 2010

TEN-T Info Day
Brussels, 31 May 2010
Agenda

- Inland Waterway Transport Policy
- River Information Services
- Legal Basis for RIS
- RIS Implementation
- RIS further development
- MAP RIS Call 2010
Inland waterway transport policy

Integrated Action Programme “NAIADIES”

1. MARKET
   » Create favourable conditions for services

2. FLEET
   » Stimulate fleet modernisation and innovation

3. JOBS AND SKILLS
   » Promote jobs and skills

4. IMAGE AND PROMOTION
   » Improve image and co-operation

5. INFRASTRUCTURE
   » Provide adequate infrastructure
     • River Information Services
River Information Services

What is RIS?

- Harmonised information services to support traffic and transport management in inland navigation enhancing safety, security, environmental friendliness and the quality and efficiency of transport services.
River Information Services

Traffic-related services:
• Fairway Information Services
• Traffic information
• Traffic management
• Calamity abatement

Transport-related services:
• Voyage planning
• Fleet Management
• Event Management
• Ports and Terminal Management
River Information Services

Enabling RIS technologies

- Inland Electronic Navigational Chart (IENC) / Inland Electronic Chart Display and Information System (Inland ECDIS)
- Inland Automatic Identification System (Inland AIS)
- Electronic Ship Reporting
- Notices to Skippers (NtS)
Examples of River Information Services

- **Fairway Information**

  RIS Message


  The fairway and traffic related message

  published by the Schiffahrtsverwaltung Hamburg concerning Danube

  There exist some additional details to report via WIF-16 (Bagger DBV) as follows:

  On Weekdays from 12.09.2005 until 21.10.2005 between 08:00 (inclusive) and 20:00 (exclusive) following limitation is valid for the Fairway Donau (Schnellwasser 1877.1 to 1882.1) no overtaking.

  Additional text in national language:

  Täglich von Montag bis Freitag in der Zeit zwischen 08:00 und 20:00 Uhr

  Inland ECDIS/IENC

  Notices to Skippers

  A new notice to skippers of Office in charge is available for the Rhine River, the Main River, the Oberrhein Channel. The language is German, which has been compiled by Office in charge for purposes.

  The fairway and traffic related message no 7201 is in force since 2006.

  Concerning Bridgeworks caused by the floods between 30 September 2005 and 4 October 2005 for all in all stretches:

  From 30 September 2005 until 4 October 2005 between 08:00 (inclusive) and 11:00 (exclusive) following limitation is valid for the Rhine River (Kreisverwaltung Koblenz) further direction along the Left bank of the river.

  From 30 September 2005 until 4 October 2005 between 12:00 (inclusive) and 18:00 (exclusive) following limitation is valid for the River Rhine, Oberlauf (Kreisverwaltung Koblenz) further direction along the Left bank of the river.

  From 30 September 2005 until 4 October 2005 between 07:00 (inclusive) and 11:00 (exclusive) following limitation is valid for the River Rhine, Oberlauf (Kreisverwaltung Koblenz) further direction along the Left bank of the river.

  From 30 September 2005 until 4 October 2005 between 12:00 (inclusive) and 18:00 (exclusive) following limitation is valid for the River Rhine, Oberlauf (Kreisverwaltung Koblenz) further direction along the Left bank of the river.

  Inland ECDIS/IENC
Examples of River Information Services

- Tactical Traffic Information

Inland AIS and Inland ECDIS
Examples of River Information Services

- Traffic Management

Inland AIS, Inland ECDIS
Examples of River Information Services

- Calamity Abatement Support

Inland AIS, Inland ECDIS and Electronic Reporting
Examples of River Information Services

- Information for Transport Logistics

Inland AIS, Inland ECDIS and Electronic Reporting
## River Information Services

### User groups and services

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<th>Services for skippers</th>
<th>Services for authorities</th>
<th>Services for logistic users</th>
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<td>Electronic Navigational Charts / Inland ECDIS</td>
<td>Real time traffic monitoring (tracking and tracing)</td>
<td>Electronic cargo documents</td>
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<td>Information on nautical conditions (fairway, obstructions, water level, etc.)</td>
<td>Analysis of accidents</td>
<td>Data for fleet management</td>
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<td>Real time traffic information</td>
<td>Exchange of safety related messages</td>
<td>Data for voyage planning</td>
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<td>Electronic reporting of cargo and voyage</td>
<td>Electronic vessel register</td>
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<td>Electronic pre-announcement at locks and harbours</td>
<td>Electronic lock management</td>
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<td>Reception of electronic cargo reports</td>
<td>Availability of locks</td>
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<td>Border surveillance</td>
<td>Calculations of arrival times</td>
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Legal Basis for RIS

EU RIS Directive (2005/44/EC)

Commission Regulation 414/2007
concerning the technical guidelines
for the planning, implementation
and operational use of RIS
(RIS Guidelines)

Commission Regulation 415/2007
concerning the technical specifications for
vessel tracking & tracing system (Inland AIS)

Commission Regulation 416/2007
concerning the technical specifications for
Notices to Skippers (NtS)

Commission Regulation 164/2010
defining the technical specifications for
electronic ship reporting (ERI)

Draft Commission Regulation
defining the technical specifications for
Inland ECDIS

“what”
- Applicability
- Responsibilities of Member States
- Minimum requirements for RIS
- Services to be provided
- Technical specifications to be applied

“how”

“who”

IRIS Europe Documentation
Technical and Administrative Agreement
for the international data exchange
TAA & R2D2

Expert Group
Tracking & Tracing

Expert Group
Notices to Skippers

Expert Group
Electronic Reporting
International

Expert Group
Inland ECDIS
RIS implementation
RIS Implementation - TEN-T (MAP)

- RIS as part of the multi-annual programme (MAP) of TEN-T
  - budget programmed for RIS = €50 m
  - co-funding up to 20% for works, 50% for pilot studies
- 1st call for proposals closed in June 2008
  - Budget allocated to 1st call = €16 m
  - 6 projects funded as a result of the 1st call
RIS Implementation - TEN-T (MAP)

- Projects resulting from the MAP RIS Call 2008
  - Implementation of RIS on the Westerscheldt river (BE/NL)
  - Deployment of Inland AIS transponders (NL/DE)
  - Study and implementation of AIS monitoring network (NL)
  - Implementation of RIS in Flanders (BE)
  - Implementation of Fairway Information Services (NL)
  - Co-ordinated implementation of RIS – IRIS Europe II
    (Partners: AT, BE, BG, CZ, FR, HU, NL, RO, SK; Co-
    operation partners: DE, HR, RS, UA)
RIS further development

Several European projects are addressing the further enhancement of RIS:

- Implementation of a legal basis for international data exchange
- Harmonised standards for Quality of Services
- Harmonised reference data management
- European hull database
- Use of RIS for logistics purposes and in logistic chain management

General objectives and priorities

To foster the deployment of RIS enabling intelligent infrastructure and the provision of RIS both in a harmonised and interoperable way
MAP RIS Call 2010

- Specific objectives and priorities – technical, organisational and legal
  - Installation of on-board equipment and of shore-based infrastructure
  - Testing and validation of the technical feasibility, interoperability and compatibility of technologies, systems, services and applications
  - Fine-tuning and further enhancement of technologies, systems, services and applications
Specific objectives and priorities – technical, organisational and legal cont.

» Implementation of (new) services, e.g. for transport management purposes

» Provision of feedback and contribution to the maintenance and amendment of the technical specifications

» Further development and application of concepts such as for cross border data exchange
Additional Information

- TEN-T projects:

- RIS brochure:

- DG MOVE:
Thank you for your attention

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