



Notices to Skippers: revision of the standard

49th session of WP.3/SC.3, workshop on RIS

Geneva, 23.06.2016

Christoph Plasil, NtS EG chairman

Agenda

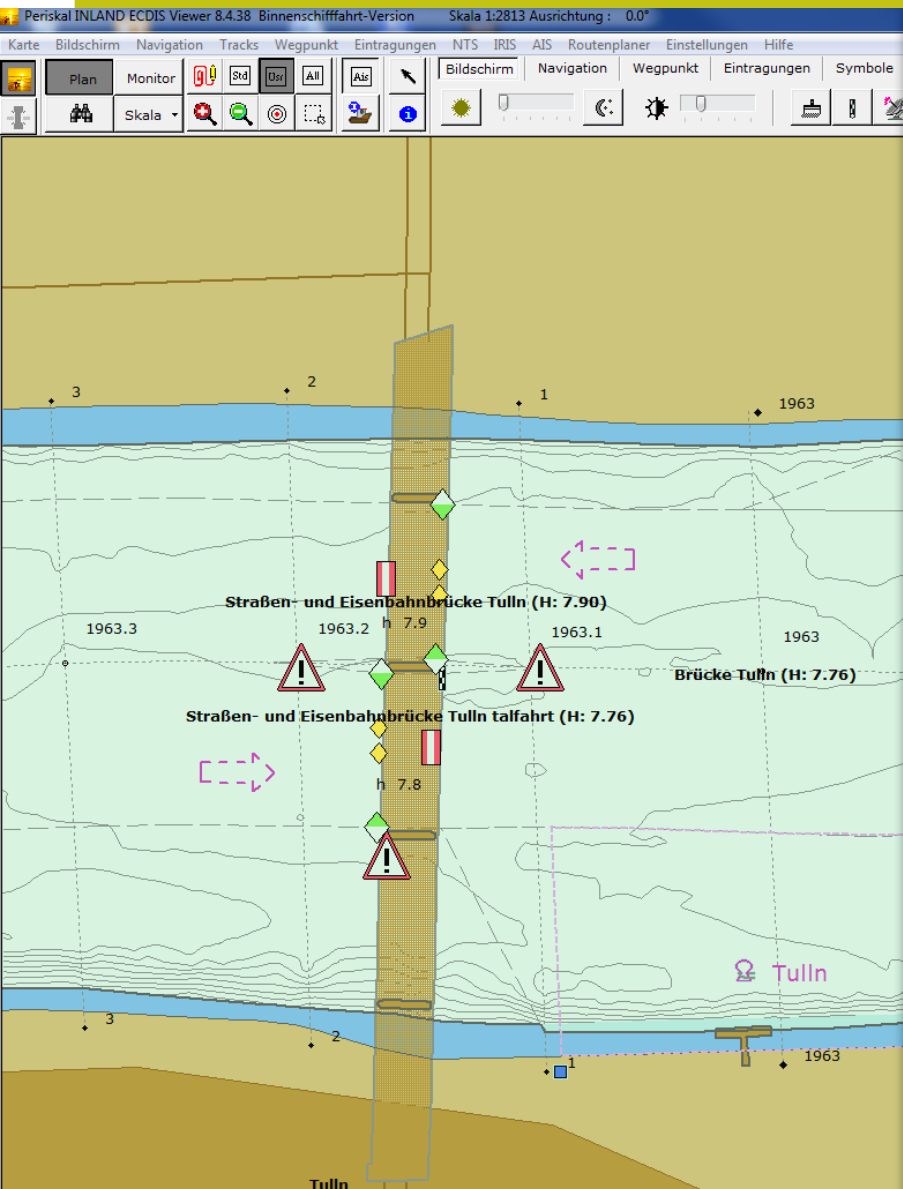
- Introduction / NtS background
- Standardisation roadmap
- Main changes to the Standard
- Cooperation with the UNECE, CCNR, EC, DC and other int. organizations
- Structure of revised NtS standard
- Reference data challenge
- Discussion



NtS background

- Waterways are subject to (un-)planned changes
 - Water levels, blockages, limitations
- NtS facilitate language independent, machine readable distribution of safety- and voyage-related info
- NtS information given by various authorities within their area of competence
 - Competent authority for traffic management, Lock operator, Shipping police

NtS info on navigational chart



Verwaltung RIS Nachricht	
Jahr	2013
Nummer (der Nachricht)	74
Versionsnummer	0
Betrifft	Durchfahrtshöhe
Zeitlicher Geltungsbereich	2013-07-22 - 2013-09-20
Text	Es werden an der Eisenbahnbrücke Tulln in allen Brückenöffnungen oberstromig Montagearbeiten mittels Revisionswagen durchgeführt. Die Arbeiten werden von der Schifffahrtsaufsicht überwacht und den Anweisungen ist Folge zu leisten. Die Schifffahrt ist grundsätzlich nicht behindert, mit kurzen Anhaltungen ist jedoch zu rechnen. Die Brücke ist jedoch mit besonderer Vorsicht zu passieren.
Herausgeber der Nachricht	Schifffahrtsaufsicht Wien
Grund der Nachricht	Arbeiten
Wasserstraße oder (-bereich)	<p>Bezeichnung des Geoobjekts</p> <p>Identifikation Fluss km. 1 963.1 (ATXXX000010000019631) Fluss km. 1 963.2 (ATXXX000010000019632)</p> <p>(Objekttyp) Fluss</p> <p>Koordinaten des Objekts 48 20.154 N 16 3.582 E 48 20.154 N 16 3.498 E</p> <p>Beschränkung Durchfahrtshöhe</p> <p>Lage (der Beschränkung) veränderlich</p> <p>Ziffernangabe (der Beschränkung) 250 cm</p>
Objekt	<p>Bezeichnung des Geoobjekts Straßen- und Eisenbahnbrücke Tulln</p> <p>Identifikation Fluss km. 1 963.2 (ATTLN00001BRGA119632)</p> <p>(Objekttyp) Brücke</p> <p>Koordinaten des Objekts 48 20.1 N 16 3.528 E</p> <p>Zeiten (der Beschränkung) 2013-07-22 07:00 - 2013-09-20 19:00 (Montag) 2013-07-22 07:00 - 2013-09-20 19:00 (Dienstag) 2013-07-22 07:00 - 2013-09-20 19:00 (Mittwoch) 2013-07-22 07:00 - 2013-09-20 19:00 (Donnerstag) 2013-07-22 07:00 - 2013-09-20 14:00 (Freitag)</p> <p>Beschränkung Wellenschlag vermeiden</p> <p>Lage (der Beschränkung) ganz</p> <p>Beschränkung besondere Vorsicht</p> <p>Lage (der Beschränkung) ganz</p>

OK

Standardization Roadmap

1. Works on the update of the NtS technical Annex started (Jan 2015)
2. Acceptance of technical Annex at RIS week (June 2015)
3. Provision of consolidated technical Annex towards EC, information towards UNECE, CCNR etc. (July 2015)
4. Finalisation of Appendixes and acceptance by NtS EG at RIS week (November 2015)
5. Submission of NtS technical Annex incl. Appendixes to EC, UNECE, CCNR etc. (December 2015)



What's new in revised NtS std.?

- New NtS standard contains changes in the message structure as well as the (new) Weather Related Message
- NtS information shall be made available by the member states via the standardized NtS web service
- Standardization/Harmonization of the content of NtS messages
 - To allow processing of NtS messages by other applications (e.g. voyage planning solutions)
 - To increase user friendliness of NtS (e.g. streamlining of content, similar messages for similar situations)
- Introduction of ERDMS as electronic source for NtS Reference Tables (translations) and the RIS Index (Object Related Data)

Co-operations

Co-operation with the

- ☉ UNECE (will revise Resolution No. 80)
- ☉ CCNR (will publish own Edition 4.0)
- ☉ European Commission (will publish new CR)
- ☉ Danube Commission (refers to UNECE)
- ☉ Sava Commission (uses und publishes EC standards)



Cooperation with UNECE

- Proposal of the NtS EG was provided December 2015, Ongoing communication with UNECE secretariat (Ms. Victoria Ivanova)
- UNECE Resolution No. 80 NtS shall be revised
- Editorial improvements were proposed by the secretariat of the UNECE and CCNR in coordination with NtS chair
- NtS were topic for the 48th session of SC.3/WP.3 (17-19 February 2016, Geneva)
- Revised Res. No. 80 is proposed for adoption by SC.3 in November 2016

Structure of revised Res. No. 80

- Annex 1 (NtS technical Annex)
- Annex 2 (including the Appendixes)
 - Appendix A: NtS Encoding Guide for editors
 - Appendix B: NtS Encoding Guide for application developers
 - Appendix C: NtS XML Schema Definition
 - Appendix D: NtS Web Service Specification



Cooperation with CCNR

- Proposal of the NtS EG was provided to the CCNR (Raphaël Wisselmann) in Dec. 2015 (same package as EC and UNECE)
- CCNR and UNECE secretariat provided improvements of the text in Jan-Feb 2016 (ERDMS maintenance and definitions)
- Technical standard is fine for CCNR, no remarks w.r.t. the content
- CCNR is waiting for adoption by the EC

Cooperation with EC

- Regular communication with Ms. Luca Farkas (EC) of the RIS EG chairs and RIS EG support
- All EC CR will shall be revised still this year
- On 11th June 2016 feedback and amendment requests to the proposed NtS standard were provided by the EC
- Amended revised text proposal to be finalised in July 2016

Feedback by the EC

- screening of regulation currently in force shows quality deficits of the baseline regulation (editorial quality)
- screening of the proposed regulation shows improvement possibilities
- reference to ERDMS as repository for the RIS Index (Object Reference Data) is possible
- re-integration of NtS Reference Tables into the proposed NtS CR required (reference to ERDMS to be removed)

NtS Reference Tables

Status November 2015:

- ERDMS shall be mentioned explicitly in the Commission Regulation
- Data is provided in the ERDMS operated by the EC
- the respective Appendix C was removed

Status June 2016:

- NtS Ref. Tables have to be published in the regulation
- Former Appendix C has to be re-integrated (will be re-integrated as Appendix E due to the references)

Structure of revised NtS EC CR

- Technical Annex
 - Appendix A: NtS Encoding Guide for editors
 - Appendix B: NtS Encoding Guide for application developers
 - Appendix C: NtS XML Schema Definition
 - Appendix D: NtS Web Service Specification
 - Appendix E: NtS Reference Tables



How to continue?

- Deviations in the text UNECE vs. EC
- Deviations w.r.t. legal embedding
- No deviations w.r.t. technical standard (Encoding provisions, XSD, WS etc.)
- EC text not ready yet
- The Working Party in its 48th session approved the draft proposal for the revision of Res. No. 80 and asked the secretariat to transmit it to SC.3 for adoption

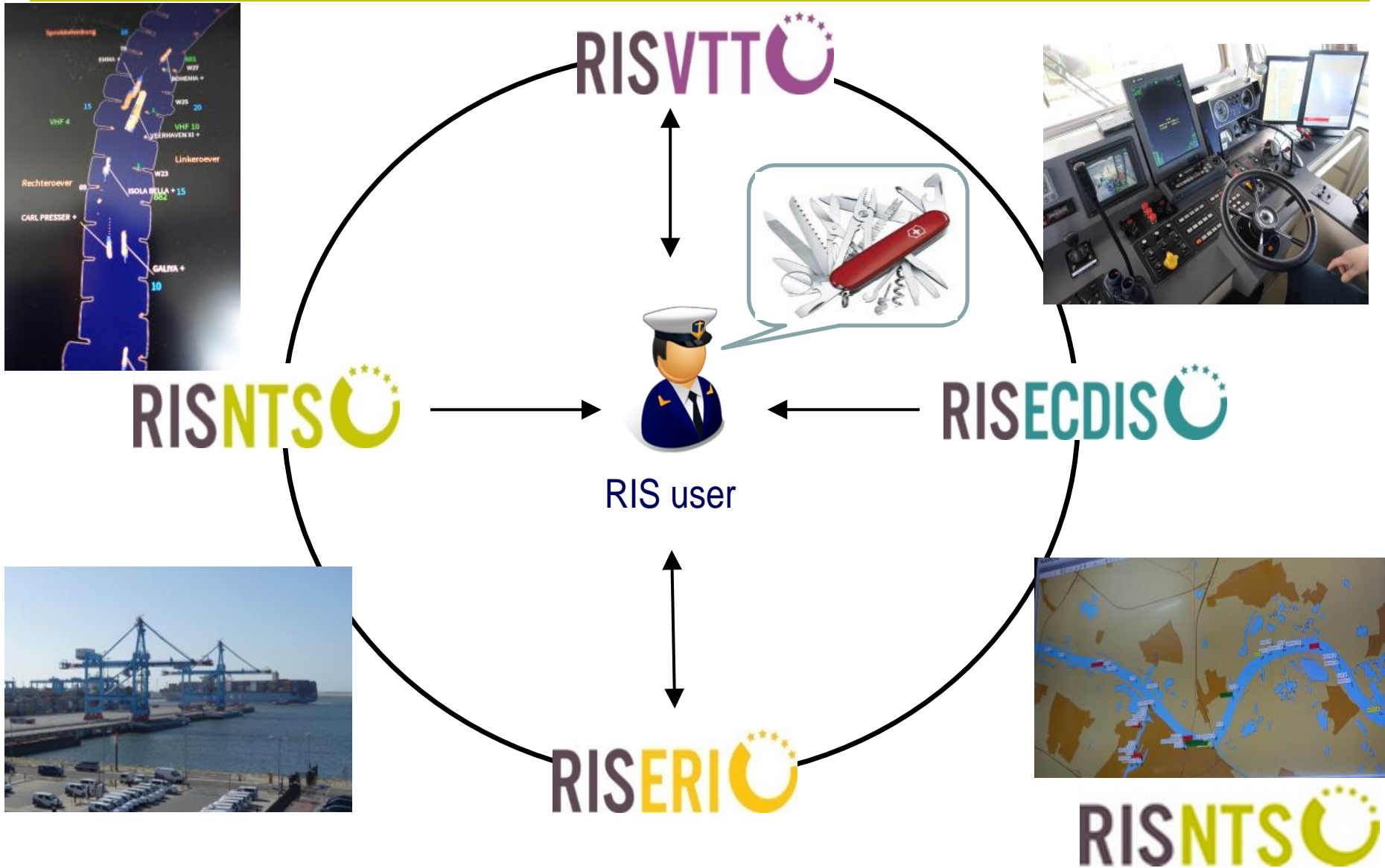


Categories of Ref. Data

- 🕒 Category A : References, codes and code tables maintained by an official recognised organisation,
- 🕒 Category B: National and Regional codes and references maintained by member states for usage in a certain area,
- 🕒 Category C: Standard Codes and references which are part of the published written technical specifications and maintained by the expert groups.

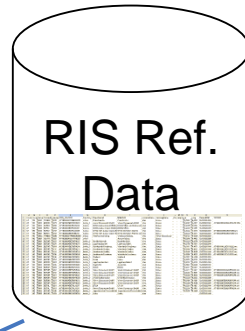


The reference data challenge



Object Reference Data (ORD)

ERDMS
(European Ref. Data Management System)



RISECDIS



RISNTS

RISERIO

RISVTTO



Edit

Message type: **CAR**

First reporting point: **AT**

Message type: **CAR**

Message may be forwarded:

Transport document reference nr.:

Conveyance reference nr.: **0000000000000456**

Route

Origin: **VIENNA FREUDENAU:PORT FREUDENAU**

Estimated departure: **Aug 26, 2011 01:00**

Destination: **BUDAPEST:BUDAPEST CSEPEL**

Estimated arrival: **Aug 28, 2011 01:00**

Persons on board: **2**

Buttons: Save draft ERINOT | Save as template | Close without saving

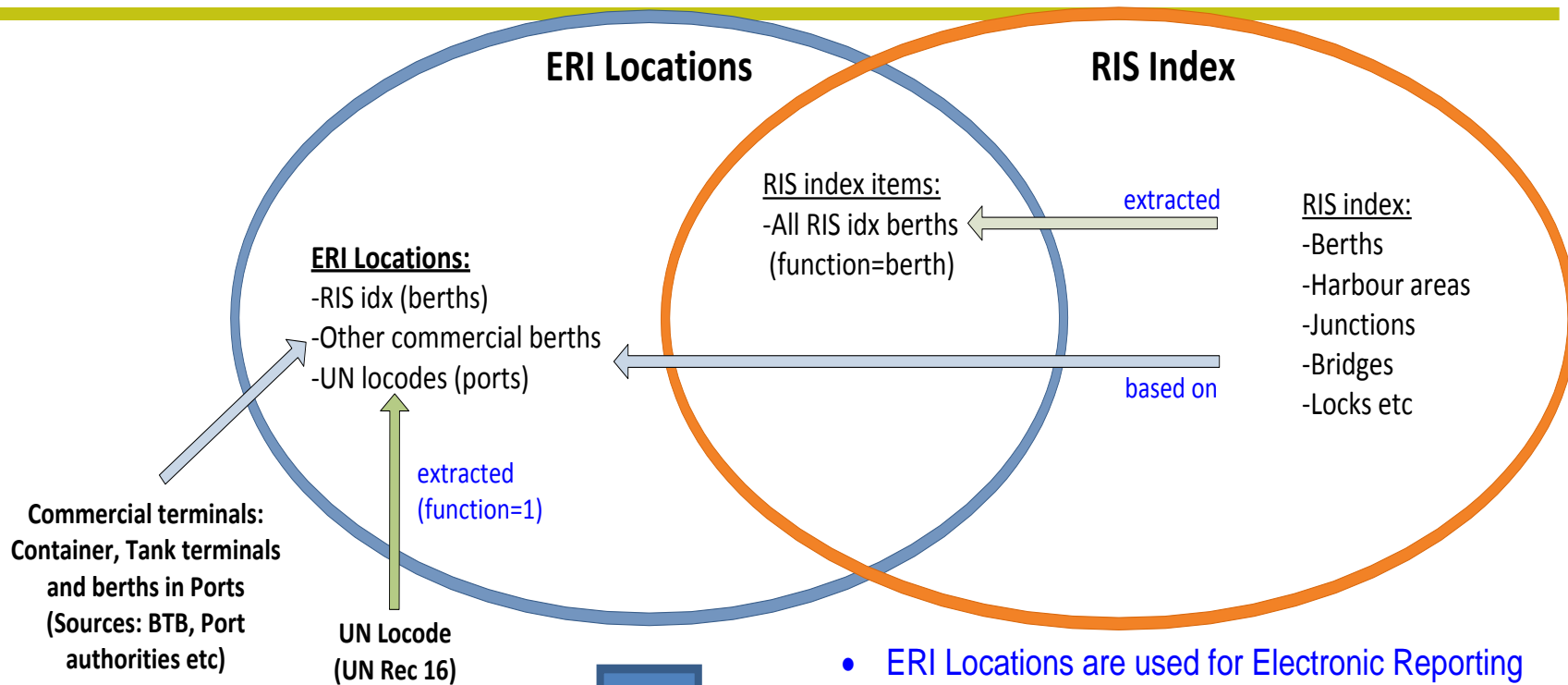
48° 14.6542' N
16° 23.1322' E

WATER LEVELS

Country	Gauge Id	Water Level
AT	6	+2.41 m
AT	7	+2.40 m
AT	8	+2.45 m
AT	9	+2.19 m

RISNTS

Unification of ORD



Both available at
 ERDMS in different
 DB, used in different
 systems

ERI Location-codes as used
 in Electronic Reporting
 applications & systems

- ERI Locations are used for Electronic Reporting (ERINOT msgs).
- ERI locations contains all the RIS index items with function=berth
- ERI locations are based on the RIS idx for commercial berths (fairwaycode etc.)
- ERI locations contains additional codes (UN locodes (function=1), Commercial berths etc.)

Discussion

- 🕒 NtS EG responsible for the technical standard
- 🕒 NtS EG coordinates implementation of NtS
- 🕒 How to avoid diverging versions of standard
- 🕒 Standardisation Roadmap of the EC / UNECE
- 🕒 Possibilities of cross references
- 🕒 Possibilities for digital/dynamic sources of reference data



Thank you for your attention!