

# Development of the RIS Index

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CCNR RIS Workshop

Brussels

## Agenda

- RIS / key technologies
- The RIS Index
- The ISRS location code
- Interoperability
- RIS Index Encoding Guide
- Conclusion





### **RSOE Introduction**

• Established in 1982

Nemzeti Fejlesztési Minisztérium

- Wide range of activities
- Hungarian RIS Provider



• Involved in several IWT- and RIS-related projects



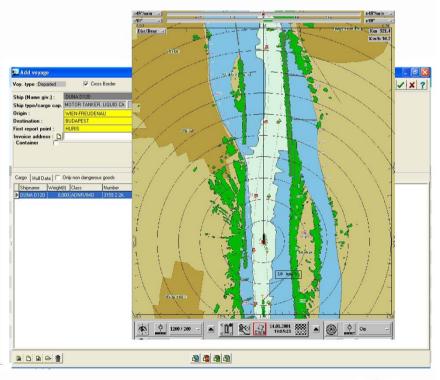






### Key technologies / Expert Groups

- Vessel tracking and tracing
- Notices to Skippers
- Electronic reporting
- Inland ECDIS







### The RIS Index...

- provides location codes for the RIS key technologies
- is encoded nationally according to the RIS Index Encoding Guide
- offers a unique code for objects influencing the safety of navigation





### The RIS Index...

Official ISR	S and Index	data											
	UN										6		
	Location		Terminal										
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(ISO-aplha	letters	digits	alphanume	r (5 digits					Waterway	Route	related		
2)	only)	numerical)	rical)	numerical)	ISRS	unction	Object name	Location name	name	name	ISRS	1000	
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T	ASC	00001	BERTH	21601	ATASC00001BERTH21601	erths_3	Untere Wartelände Unterwasser Aschach	Aschach	Donau		1		
Т	ASC	00001	BERTH	21604	ATASC00001BERTH21604	erths_3	Fahrgastlände Land Oberösterreich	Aschach	Donau				
T	ASC	00001	BERTH	21614	ATASC00001BERTH21614	erths_3	Lände Bundeswasserstraßenverwaltung	Aschach	Donau				
T	ASC	00001	BERTH	21619	ATASC00001BERTH21619	erths_3	Obere Wartelände Unterwasser Aschach	Aschach	Donau			48.3785	14.0271
AT	ASC	00001	BERTH	21632	ATASC00001BERTH21632	erths_3	Wartelände Oberwasser Aschach für Selbstfahre	Aschach	Donau			48.3886	14.0172

RS and Ind														
	UN													
	Location		Terminal											
Country	code (3	Waterway	code (5											
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ISO-ap	letters		alphanu						Г	Waterway	Rou**			
2) 💌	only) 🐣	numeric 🍸	rical)	numeric	ISRS T	Functi	Object name	<b>v</b>	Location name	💌 name 🖉	nan 🍸	related ISRS		
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ountryCode l	JNLOCODE	FW_CODE	BJECT_COD	HECT OM			ObjectName2		Location_Name	FairwayName	RouteN	Related_ISRS		
SK	BAB	00001	BRIDG	186 1	SKBAB00001BRIDG18691	brgare_1	Novy most - Bratislava		Bratislava Port	Dunaj				
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SK	BAB	00001	BRDG1	188 1	SKBAB00001BRDG118681		Stary most - Bratislava - protiprudny mostny otvor		Bratislava Port	Dunaj		SKBAB000018		

Official ISR	S and Index o	lata										
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(ISO-aplha			alphanume	(5 digits		1 _		_	Waterway	Route	related	_
2) 👻	letters on 🝸	numerica 🍸	rical)	numerica 🝸	ISRS 👻	Function	Object name	Location nam *	name	name	ISRS	-
M	M	M	M	M	auto	M	С	0	M	0	0	
CountryCode	UNLOCODE	FW_CODE	OBJECT_CC	HECTOM	CountryCodeUNLOCODEFW_0	Functie	ObjectName2	Location_Name	FairwayNan	ne RouteNam	e Related	ISR
HU	BUD	00001	BRIDG	16453	HUBUD00001BRIDG16453	brgare_1	Szabadság híd	Budapest	Duna			
HU	BUD	00001	BRIDG	16443		brgare_1	Petőfi híd	Budapest	Duna			
HU	BUD	00001	BRIDG	16432		brgare_1	Lágymányosi híd	Budapest	Duna			
HU	BUD	00001	BRIDG	16432		brgare_1	Déli híd	Budapest	Duna			
HU	CPE	00002	CSEPL	16397	HUCPE00002CSEPL16397	hrbare_C	Csepeli kikötő	Csepel	Duna			





6	Documents	
ew Edit	Revisions	
RIS Inde	X	cı
	RT RAFAEL	7:29pm Apr 15, 2010
Tagged: Ret	erence Data	Highlight changes
Preview	Attachment	Size
ţ,	Austria	840.93 KB
Ø	Belgium	303.79 KB
ŢŢ,	Czech_Rep	784.89 KB
	France_locks	4.45 MB
<b>O</b>	Germany	433.17 KB
(Î)	Hungary	813.3 KB
()	Netherlands	3.53 MB
	Romania	652.5 KB
o	Slovakia	588.5 KB

### RISÜ

ERI

HOME BACKGROUND NEWS EVENTS PROJECTS SERVICES EXPERT GROUPS FORUM LIBRARY

### **REFERENCE DATA** LIBRARY library > expert groups > nts > reference data GLOSSARY LINKS General template LEGISLATION as well as the RIS Index of EU PROJECTS EXECUTED Austria PUBLICATIONS Belgium EXPERT GROUPS France Germany Hungary the Netherlands GENERAL NTS REFERENCE DATA Slovakia Roumania OTHER NTS VERSION 1X **NTS VERSION 2.0** NTS VERSION 3.0 Available downloads: MEETINGS 🧯 Ris index roumania XLS: 652.5 KB 🖌 Ris index slovakia XLS: 589 KB 🔓 Template reference documentation ZIP: 773.49 KB 🔓 Risindex austria ZIP: 840.93 KB 🚡 Risindex belgium ZIP: 303.79 KB 🚡 Risindex czechrepublic ZIP: 784.89 KB Ris index france XLS: 4.45 MB 🚡 Ris index germany ZIP: 433.17 KB Ris index netherlands ZIP: 3.53 MB 🔓 Ris index hungary ZIP: 813.3 KB

RISÜ

11.04.2011.



### The ISRS location code...

### HUBUD00001BRIDG16470

- Country code (2)
- UN location code (3)
- Fairway section code (5)
- Terminal code / *Object reference code* (5)
  - Fairway hectometer (5)





### The object itself...







### Interoperability...



### Országos Vízjelző Szolgálat

Hydroinfo

ismertető nyomtatási kép (folyónkénti sorrend) nyomtatási kép (hidrológiai sorrend)

### Hidrológiai adatok

### Folyónkénti sorrend Hidrológiai sorrend

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			Eszlelés	: 2011	. augus	ztus 26.			
			Viz	állás [c	m]	Változás		Víz-	
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142310	Párkány	Duna	143	137	129	-14	1730	23,3	11
442625	Szob	Duna	64	62	51	-13	11	22,5	11
442527	Nagymaros	Duna	81	81	72	-9	1700	22,9	11
442026	Vác	Duna	96	98	91	-5	1260	22,8	11
442027	Budapest	Duna	194	200	196	2	1730	20,3	11
442532	Bp.Kvassay-zsilip f.	Duna	171	177	173	2	11	20,3	11



Vízmérce Budapest







Vízállás

## RIS Index Encoding Guide (1/3)

- Revision and update of the former version
- Joint Task Force established:
  - unambiguous encoding guide for the ISRS location code
  - elaborate a proposal for the unambiguous encoding of waterway networks
  - provide a proposal based on the RIS Index for a revision of the Annex I of Directive 2005/44/EC





## RIS Index Encoding Guide (2/3)

- bridge
- lock basin
- lock basin part
- exceptional navigational structure
- turning basin
- harbour basin
- harbour area
- port area
- berth without transhipment
- transhipment berth
- anchorage area
- anchorage berth
- terminal
- waterway gauge
- passage points

- traffic points
- bridge area
- lock area
- overhead cable
- overhead pipe
- radio calling point

proposed to include three more objects in the list:

- junctions
- distance mark along fairway axis
- RIS centre





## RIS Index Encoding Guide (3/3)

### • Status quo

- Version 0p91 presented during the NtS Expert Group meeting in June
- Feedback gathered
- Merkblatt of the CCNR on the RIS Index

### • Next steps

- Consolidation of inputs
- Discussion on open issues
- Next meeting: 3rd November 2011, Koblenz
- Presentation of results planned on 15th November 2011, NtS EG meeting





### Conclusion

- Precondition for safe and interoperable RIS services: unambiguous RIS reference data
- **ISRS location codes** ensuring one-toone connection for governmental and logistics users
- Encoding of **European fairway network** is of high importance







# Thank you for your attention!

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