



“NETWORK OF DANUBE WATERWAY ADMINISTRATIONS”

South-East European Transnational Cooperation Programme

SPECIFICATION OF MINIMUM FIS DATA SET

- DESCRIPTION OF FIS PORTAL CORE SERVICES -

Document ID:	O 5.28	
Activity:	Act. 5.1	
Author / Project Partner:	Date:	Version:
Gergely Mező / RSOE	07.04.2010	0.1 draft
All 5.1 Partners	05.05.2010	0.2 draft
Gergely Mező / RSOE	07.05.2010	1.0 final

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1 LIST OF ABBREVIATIONS

D4D	Data Warehouse for Danube waterway
ENC	Electronic Navigational Chart
FIS	Fairway Information Service
HDC	High Water Level Danube Commission
LDC	Low Water Leve Danube Commission
NtS	Notices to Skippers
RIS	River Information Services
rkm	River kilometre
WANDA	Waste management for inland navigation on the Danube

2 SCOPE OF DOCUMENT

The project partners have elaborated the national Status Quo Reports on FIS data, which documents serve as the inventory of national Danube fairway related information services and also provide plan for integrating services into the NEWADA Danube FIS Portal (Act.5.4).

The main concept is to have a central server with dynamic and static information. Dynamic data will be provided automatically using web services and static data will be uploaded and shall be maintained by the partners. During the project RSOE will undertake to operate the server.

According to the final minutes of the 5.1 meeting in Győr dated 04.02.2010 the following core services (minimum FIS data set) were defined to be provided for the FIS Portal (in Act.5.4):

- Notices to Skippers (coordination with IRIS Europe II and NtS Expert Group)*
- Ice message (coordination with IRIS Europe II and NtS Expert Group)*
- Water level information including forecast (coordination with IRIS Europe II and NtS Expert Group)
- Actual information on critical/shallow sections
- Information on bridges
- Information on ports
- Information on locks
- Information on responsible authorities
- Electronic navigational charts – ENC's (just the download page layout)
- D4D web portal Danube map - .gml files (output of Act.5.3)*
- Information regarding waste management (output of WANDA project)*

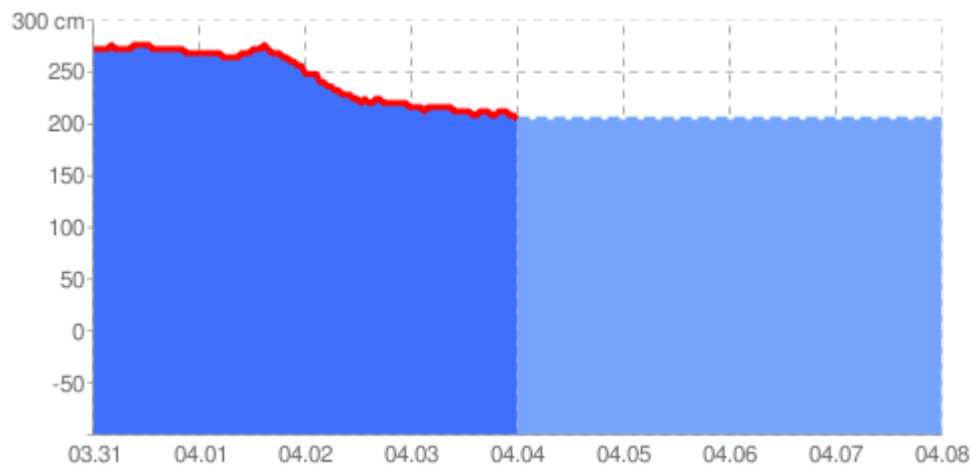
It is a goal to have these services from all Danube countries. Coordination with the Danube Commission, Germany and Ukraine is essential.

3 DESCRIPTION OF MINIMUM FIS DATA SET

3.1. Water level information including forecast

Tide gauge	Danube river km	Date and time of actual status	Actual water level data	LDC Low water level Danube Commission	HDC High water level Danube Commission
<name of station>	<XXXX rkm>	<DD.MM.YYYY HH:MM>	<XXX cm>	<XXX cm>	<XXX cm>
Water level forecast for <name of station>					
Date and time of publishing forecast		Forecast period	Prognosed water level data		
< DD.MM.YYYY ><HH:MM>		e.g. +24	<XXX cm>		
< DD.MM.YYYY ><HH:MM>		e.g. +48	<XXX cm>		
< DD.MM.YYYY ><HH:MM>		e.g. +72	<XXX cm>		

possibility to insert 1 graph / gauge :



Source: <name of organization>

3.2. Actual information on critical/shallow sections

Location	Type of bottleneck	Date of publication:	Width	Length	Available depth (not applicable for Limited width)
<XXXX,X rkm - XXXX,X rkm>	Ford (Fuhrtiefe) / Limited width (Engestelle)	<DD.MM.YYYY>	<XXX m>	<XXX m>	<XX dm>

Source: <name of organization>

3.3. Information on bridges

Picture(s)	Name of bridge	Danube rkm	Vertical Clearance	Clearance width	Fairway bridge bay	LDC to local gauge	HDC to local gauge
160X80 pixels (link to gallery)	<bridgename>	<XXXX,X rkm>	<XX,X m>	<XX,X m>	upstream: Xth archway from left/right bank downstream: Xth archway from left/right bank	<XXX cm>	<XXX cm>

3.4. Information on ports

Picture(s)	Name of port	Danube rkm, river bank	Address, phone, fax, website, email	VHF channel, callsign	Working hours	Cargo handling profile	Inter-modality
160x80 pixels (link to gallery)	<portname>	<XXXX,X rkm>	<ZIP Town, Street XX> <Tel: +XXXXXXX, Fax: +XXXXXXX> <http://.....> XXXXXX@ YYYYYYY.YY	VHF<XX>, <XX,XX>MHZ, <Callsign>	<Day- Day: HH-HH hours>	General / Bulk / Liquid / Container / Ro-Ro / Other	Rail / Road

In addition, a link shall be provided to the relevant www.danubeports.info webpages.

3.5. Information on locks

Picture(s)	Name of lock	Danube rkm	Netto dimensions	Number of chambers	Max. head	Radio channel	Contact	Working hours
160x80 pixels (link to gallery)	<lockname>	<XXXX,X rkm>	<XXX> m length x <XX> m width	<X>	<XX,XX> m	VHF<XX>	<ZIP Town, Street XX> <Tel: +XXXXXXX, Fax: +XXXXXXX>	<Day- Day: HH-HH hours>

3.6. Information on responsible authorities

Danube Responsible Authorities Table

	Relevant Ministry (-ies)	Shipping Authority	Water Police	Waterway maintenance	Border Police	Customs	RIS Operator
Germany							

Austria							
Slovakia							
Hungary	Ministry of Transport, Energy and Telecommunications	National Transport Authority	Danube Water Police Captaincy	3 Regional Water Management Directorates	National Police	Customs and Finance Guards	RSOE
Croatia							
Serbia							
Bulgaria							
Romania							
Ukraine							

<Name of National Authority>	
Description, main responsibilities:	max. 1000 characters
Central address, phone, fax, email, website:	
<Name of Branch Office> Area of responsibility: <XXXX rkm – XXXX rkm>	Address of Branch Office, Danube rkm (if relevant):
	Telephone, fax:
	Website, email:
	Working hours:

Provision of map would make it user-friendlier.

3.7. Electronic navigational charts – ENCs (just the download page layout)

DESCRIPTION	SECTION (KM)	DEPTH DATA INCL.	IENC STANDARD	UPLOAD DATUM	FILE SIZE
TOPOGRAPHICAL INFORMATION	KM 1870 – KM 1970	YES / NO	V 2.0	05.02.2010	5,5 MB

- Legal note
 - harmonised disclaimer on the bottom of FIS Portal
 - national
- System requirements (optional)
- Available viewer softwares (optional)
- Contact information for questions (mandatory)

SUMMARY, NEXT STEPS

This document is the closing milestone of Activity 5.1, which paves the way for Activity 5.4. All results of present specification shall be the basis for the design of NEWADA Danube FIS Portal (main output of Act.5.4). The partners will plan their 5.4 activities and resources based on this document.

RSOE, as the WP5 Leader is responsible to elaborate the first version of the FIS Portal specification, which shall be reviewed by the partners and will result in an agreement on implementation.

It is also very important to coordinate with the IRIS Europe II project and Notices to Skippers Expert Group in order to use the NtS web services as dynamic data source for FIS Portal.

- End of document -