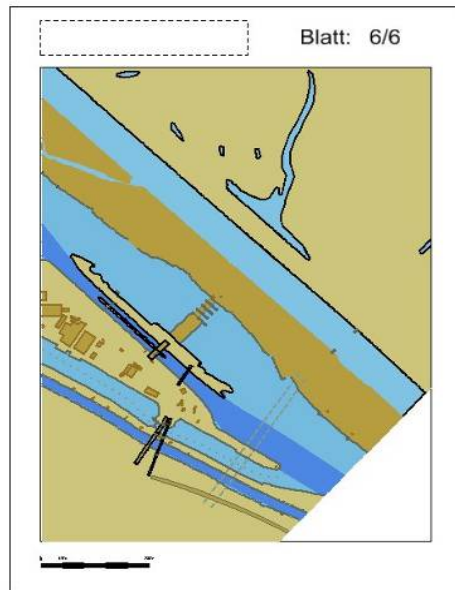


Sava Commission RIS Activities



RIS Project



In September, 2009 ISRBC launched a project called *"Detailed Design and Prototype Installation for the RIS on the Sava River"* as a step in the reconstruction and development of inland navigation on the Sava river, with a view to improving traffic safety and increasing the efficiency of transporting goods and people by the application of new technology - River Information Services

RIS Project

- **Final Report adopted 24.06.2010.**
- **Main outcomes:**
 - Detailed Design of the RIS System;
 - Prototype Installation;
 - Technical Specification;
 - Tender Documentation.

RIS Project

- **Fully installed and operational in Serbia**
- **In the process of installation in Croatia**

Adopted Decisions

- Vessel Tracking and Tracing Standard
- Inland ECDIS (Electronic Chart Display and Information System) Standard
- Rules on Harmonized River Information Services (RIS) on the Sava River Basin
- Production and Update of the Inland Electronic Navigational Charts (IENC) for the Sava River Basin

Vessel Tracking and Tracing Standard

- The European Commission, the CCNR, the Danube Commission and have recognized the need for means of automatic exchange of navigational data between ships and between ship and shore for automatic identification and tracking and tracing solutions in inland navigation.
- The purpose of this standard was to define all necessary functional requirements related to vessel tracking and tracing in inland navigation.
- With the adopted standard as a basis, the ISRBC introduced mandatory electronic reporting for certain vessels, i.e. it is to be introduced vessel tracking and tracing services based on **Automatic Identification System**, and in order to ensure safety of navigation it is to be introduced onboard AIS carriage requirement (by the introducing onboard AIS carriage requirements by 2015).
- ISRBC prepared **Detailed Design and Prototype Installation for the RIS on the Sava river**, with the objective of providing operational prototype of services for the installation and use of Inland AIS equipment in navigating the Sava river.

Inland ECDIS and ENC Production

- **Minimum IENC Data Set for IENC production is defined;**
- **Update of IENC is performed on a yearly bases or when significant changes of IENC content has been made;**
- **The Parties shall coordinate production priorities and scheduling for IENC production for the Sava River Basin with the ISRBC;**
- *Concept for the production of the paper IENC was also adopted.*

Rules on Harmonized RIS in the Sava River Basin

- **Rules are fully in line with RIS Directive;**
- **Parties shall take the necessary measures to comply with the requirements set out in these Rules not later than January 1st, 2015;**

Rules on Harmonized RIS in the Sava River Basin

Article 4

In order to set up RIS, Parties shall:

- a) supply to RIS users all relevant data concerning navigation and voyage planning on inland waterways. These data shall be provided at least in an accessible electronic format;
- b) ensure that for all their waterways from article 2, in addition to the data referred to in point (a), ***electronic navigational charts*** suitable for navigational purposes are available to RIS users;
- c) enable, as far as ship reporting is required by national or international regulations, the competent authorities to receive ***electronic ship reports*** of the required data from ships. In cross-border transport, this information shall be transmitted to the competent authorities of the neighbouring Party and any such transmission shall be completed before arrival of the vessels at the border;
- d) ensure that ***notices to skippers***, including water level (or maximum allowable draught) and ice reports of their inland waterways from article 2, are provided as standardised, encoded and downloadable messages. The standardised message shall contain at least the information necessary for safe navigation. The notices to skippers shall be provided at least in an accessible electronic format.
- e) introduce ***vessel tracking and tracing*** services based on ***Automatic Identification System***, and in order to ensure safety of navigation introduce onboard ***AIS carriage requirement***

Rules on Harmonized RIS in the Sava River Basin

Article 5

In order to support RIS and to ensure the interoperability of these services as required by Article 4(2), the Sava Commission shall define in accordance with paragraph 2 technical guidelines for the planning, implementation and operational use of the services (RIS guidelines) as well as technical specifications in particular in the following areas:

- a) electronic chart display and information system for inland navigation (inland ECDIS);
- b) electronic ship reporting;
- c) notices to skippers;
- d) vessel tracking and tracing systems by means of Automatic Identification System
- e) compatibility of the equipment necessary for the use of RIS.

Prepared Documents (1)

- **Ah RIS Expert Group prepared “Rules on Cross Border Data Exchange in the Framework of the RIS in the Sava River Basin”;**
- **Cooperation with relevant EU initiatives (IRIS, Platina);**
- **Obligation to exchange particular set of data and permitted use of data are defined;**
- **Discussion on the document will continue at the next meeting of the Ah RIS EG.**

Prepared Documents for adoption (2)

**GUIDELINES AND RECOMMENDATIONS FOR RIVER
INFORMATION SERVICES**

**STANDARDS FOR NOTICES TO SKIPPERS FOR INLAND
NAVIGATION**

**STANDARDS FOR ELECTRONIC SHIP REPORTING
WITH TECHNICAL SPECIFICATIONS**