



Data transmission by ship electronic reporting in the RIS system

A. Lisaj

(alisaj@am.szczecin.pl)

Data transmission by ship electronic reporting in the RIS system

Andrzej Lisaj, Ph.D. Eng.
Maritime University of Szczecin
Wały Chrobrego 1-2, 70-500 Szczecin, Poland
alisaj@am.szczecin.pl

Keywords: data transmission, river information services, processing of navigational data, marine traffic safety.

Abstract:

This article presents normative-legal conditions and the principles of navigational data transmission by ship electronic reporting in the RIS (River Information Services) system.

The principles of co-operation between the RIS System Management Centre and an inland VTS station are defined.

Standards of the navigational data transmission: EDIFAC, ERIMAN, ebXML, BERMAN, eDocs and BICS 2.0 are presented.

In this article the structure of the ERI(Electronic Reporting International) messages in electronic reporting for inland navigation are defined.

The procedures of introducing changes in reference tables and XML schema is analyzed.

Technical guidelines concerning planning, implementation and operational use of RIS on inland waterways are presented.

Guidance for the protection of data and a code of conduct for electronic reporting is analyzed.

The technical specifications of the message standards for the ship masters are defined.