



Electronic Navigational Charts for River Information System of the Lower Odra

A. Stateczny

Maritime University, Chair of Geoinformatics, Szczecin, Poland (astateczny@am.szczecin.pl)

Directive 2005/44/EC of the European Parliament and Council of 7th September 2005 in the matter of River Information Services (RIS) in inland waterways in the Community imposes the necessity of introducing common requirements and technical specifications in order to ensure a harmonised, interoperational open information system and apparatus of navigational aids in the network of the Communities' inland waterways. Laying down technical specifications should cover elements like electronic navigational charts, electronic vessel reporting including a uniform European system of vessel numbering, messages for vessel managers and a vessel traffic control system.

Among Polish inland waterways, the following are subject to the duty of implementing RIS directive:

1. Lake Dąbie to the border with maritime interior waters - 9,5 km
2. The River Odra from Ognica to Przekop Klucz-Ustowo (Klucz-Ustowo Cutting) and further down as the River Regalica to Lake Dąbie – 44.6 km
3. The River Odra Zachodnia (Western Odra)
 - 3a. From the weir at Widuchowa (704.1 km of the Odra) to the border with maritime interior waters with side ramifications – 33.6 km
 - 3b. Canal Klucz - Ustowo linking the river Odra Wschodnia (Eastern Odra) with the River Odra Zachodnia (Western Odra) – 2.7 km.
4. The River Parnica and Przekop Parnicki (Parnicki Cutting) from the River Odra Zachodnia to the border with maritime interior waters – 6.9 km,

The introduction of a river information system of the Lower Odra will improve navigational safety and increase the efficiency of inland transport.

The Electronic Chart Display and Information System for Inland Navigation (Inland ECDIS) is the key element of the RIS system. Currently, in the region of further RIS implementation there are no authorised navigational charts fulfilling the Inland ECDIS standard.

In the article problems of ENC production, according technical requirements for Inland ECDIS, in the aspect of river information systems for the Lower Odra are presented.