

Central Commission for the Navigation on the Rhine

PROTOCOL 2001-I-16

31 May 2001

Standard

**ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEM FOR INLAND NAVIGATION
(Inland ECDIS Standard)**

Resolution

1. New information and communication systems for use on board inland waterway vessels are increasingly being developed in the area of telematics. Electronic inland waterway charts in which a radar display and an electronic map display are overlaid on a monitor have already been successfully tested in the German ARGO project and in the European INDRIS research and development project. Such systems are already being offered on the market.
2. The electronic chart, display and information system (ECDIS) that has been internationally established in ocean shipping, with the S-57 and S-52 standards of the International Hydrographic Organisation (IHO) contained therein, offers a technically matured system which can also be used in inland shipping with appropriate additions, thus ensuring compatibility between ocean and inland shipping.
3. Within the scope of the Concerted Action on Inland Navigation of the European Union, an international expert group was commissioned to elaborate an Inland ECDIS Standard especially for inland navigation.

This standard consists of the following sections:

- Section 1: Performance standard;
- Section 2: Data standard;
- Section 3: Presentation standard;
- Section 4: Operational and performance requirements, methods of testing and required test results;
- Section 5: Glossary of expressions used.

4. By use of the inland ECDIS standard, a standard basis will be created for the use of electronic inland navigation charts on board inland waterway vessels on European inland waterways.

Decision

The central commission,

with the aim of fostering, as early on as possible, the use of modern information systems on board inland waterway vessels and, in particular, the use of electronic inland navigation charts,

in the knowledge that standardisation of the basis for these information and chart systems is necessary so as to be able to take recourse to uniform standards, and to take into account safety criteria, in the event of later applications of these information systems for navigation purposes,

adopts the contents of the Inland ECDIS Standard, which is enclosed as an appendix to this resolution in German, French, Dutch and English; in the event of a lack of clarity in relation to definitions or meanings of wording in the standard, the version in English shall be decisive,

commissions the joint police and investigation committee to update the standard and, particularly on the grounds of technical progress, to adopt necessary changes under its own responsibility; to this end, the Inland ECDIS Working Group shall elaborate suggestions in collaboration with the existing European Inland ECDIS Expert Group,

commissions the joint police and investigation committee to have the amendments of existing regulations that become necessary, for example in relation to the minimum requirements and test conditions for navigation radar systems and for rate of turn indicators in Rhine shipping, RheinSchPV, RheinSchUO, RadarPatV, for the use of electronic inland navigation charts for the control of inland waterway vessels in combination with radar, elaborated by the Inland ECDIS Working Group.

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