



The Netherlands - Coastal State information on requirements for ECDIS back-up arrangements

8 December 2017

Introduction

Maritime Safety Agencies of coastal States are requested, in coordination with their Hydrographic Offices, to provide information regarding their recommendations for the paper charts to be carried:

- a. As a backup to a single ECDIS using ENC's; and
- b. For use when ECDIS is used in the Raster Chart Display Mode.

This document summarizes the Netherlands requirements. Furthermore it describes the latest Netherlands requirements related to updates of hard- and software for ECDIS-equipment.

1. Netherlands carriage and training requirements¹ summarized

- SOLAS Regulations V/19 and V/27 require the carriage of adequate and up to date charts on all ships.
- In the event ECDIS is used to meet the chart carriage requirements, and in use as the primary navigation system and in cases where ECDIS is a compulsory requirement, back-up arrangements are required in accordance with SOLAS V/19.2.1.5.
- Paper nautical charts may be used for this, but under certain conditions (see full text), if a ship is equipped with a second ECDIS, as back-up for the primary ECDIS, this second ECDIS can also be accepted as back-up.

2. Status of ENC coverage in the Netherlands

Complete ENC coverage achieved in all appropriate usage bands for North Sea area and Caribbean Netherlands. Therefore the application of Raster Navigational Charts (RNC) in relation to SOLAS-requirements is not relevant for the NL charting area.

3. Consequences for the paper charts to be carried

- a. As a backup to a single ECDIS using ENCs;
 - a complete set of up to date paper charts, readily available, for the voyage to be undertaken is required.
- b. For use when ECDIS is used in the Raster Chart Display Mode.
 - not relevant (see para 2).

4. List of paper charts

- charts listed in HP7² (Product catalogue of the NL Hydrographic Office)
- equivalent charts issued officially by another Hydrographic Office³.

5. Up-to-date ness of systems to latest standards

It is the view of the Netherlands that from 1 September 2017 ECDIS systems which do not fulfil hard- and software requirements, and subsequently cannot present ENC's according to the latest IHO standards, cannot be considered as meeting the chart carriage requirements of SOLAS V reg. 19.2.1.4, nor as meeting the qualification of 'up to date' nautical charts referred to in SOLAS V reg. 27 (full text see next page).

¹ full text available

in Dutch at <https://www.ilent.nl/onderwerpen/wet--en-regelgeving-zeevaart/ecdis>

in English at <https://english.ilent.nl/themes/developments-legislation-seagoing-vessels/ecdis>

² <https://english.defensie.nl/topics/hydrography/distribution-of-nautical-charts-and-publications>
go to catalogue HP7

³ Names of States that produce derived charts: France, United Kingdom, United States



Human Environment and Transport
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Concerns: IHO Standard ECDIS, statement by flag State Administration of The Netherlands.

To whom it may concern;

ECDIS manufacturers, type approval organizations, Classification Societies, ship owners, operators and masters are hereby informed that, as from **31 August 2017**, IHO standards S-52 Edition 6.0 / Chart Content and Display Aspects, Presentation Library Edition 3.4 and Standard S-64 Edition 2.0 / Test Data Sets, are **no** longer valid for existing ECDIS systems type approved with an edition of IEC61174 previous to the 4th edition. (ref. annex 1)

Background

During NCSR3 at IMO in March 2016 the entry into force date for the new editions of IHO- and IEC standards S-52, S-64 and IEC 61174 was extended by one year (i.e. 31 August 2017) in order to create ample time for manufacturers and ship owners to upgrade older ECDIS systems.

It is the view of the Netherlands flag State Administration that from 1 September 2017 ECDIS systems which do not fulfil hard- and software requirements, and subsequently cannot present ENC's according to the latest IHO standards, cannot be considered as meeting the chart carriage requirements of SOLAS V reg. 19.2.1.4, nor as meeting the qualification of 'up to date' nautical charts referred to in SOLAS V reg. 27.

It is the responsibility of the company and the master to ensure compliance with V/27 and also to ensure that the ECDIS application software, and hardware if necessary, is updated before 31 August 2017.

All ECDIS on board, including those, which are not in use for primary navigation, shall comply with the latest IHO standards.



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