

## Attachment: Electronic Navigation Charts

### 1. Electronic Navigation Charts (ENC)

- (1) The ENC shall be issued by Hydro Offices authorized by Administration and made in accordance with the data bases of IHO standards.
- (2) Ship shall be provided with all ENC for navigation areas of engaged voyages.  
When ENC is not published and local charts requested by coastal states, ship shall be provided with paper charts appropriately or Raster Navigation Charts (RNC).
- (3) All chart information and symbols shall be displayed on the ECDIS.  
ENC database which conforms to the latest IHO standards are to be used. IHO has announced a revision of IHO standards as below, effective from 1 September 2017.

Standards	Current	Revised
Specifications for Chart content and display aspects of ECDIS	S-52 Ed.6.0	S-52 Ed.6.1.0
Presentation Library (PL)	Ed.3.4	Ed.4.0
Test Data Sets	S-64 Ed.2.0.0	S-64 Ed.3.0

- (4) Company should instruct their ships about the procedures of chart inventory and updating for ENC in accordance with the ISM Code.
- (5) Latest information for ENC may be obtained from IHO web site.