

SENC DELIVERY OPTION

Ref: 1) IHB Circular Letter 50/2001, dated 19 October 2001
2) IHB Circular Letter 60/2001, dated 14 December 2001

Dear Sir,

As explained in CL 60/2001, the adoption of a new IHO Technical Resolution requires the approval of at least one-third of all those Member States entitled to vote.

As 65 Member States out of the total membership (70) were entitled to vote on the date of issue of CL 50/2001, the required number of approvals was 22.

The closing date for voting was 28 February 2002 and the result is as follows:

- 37 responses have been received;
- 23 Member States voted in favour of the amendment to S-52 and the proposed Technical Resolution;
- 13 Member States voted against.
- One Member State provided a null vote.

A list of the Member States' votes is attached (Annex A). The amendment to paragraph 3.3 of S-52 (Annex B) and the new Technical Resolution A3.11 (Annex C) are, therefore, approved as from the date of this Circular Letter.

S-52 has been amended accordingly and the new version is available on the IHO website (www.iho.shom.fr). Technical Resolution A3.11 is being incorporated into IHO Publication M-3.

On behalf of the Directing Committee
Yours sincerely,


Rear Admiral Neil GUY
Director

Encl: Annexes A, B and C

SUMMARY OF MEMBER STATES' REPLIES TO IHB CL 50/2001
(as of 28 February 2002)

Member State	Yes	No
Australia	X	
Bahrain	X	
Brazil		X
Canada	X	
Chile		X
China	X	
Colombia	X	
Denmark		X
Estonia	X	
Fiji	X	
Finland		X
France		X
Germany	X	
Greece	X	
Iceland	X	
India	X	
Italy	X	
Japan		X
Malaysia		X
Mozambique	X	
Netherlands	X	
New Zealand	X	
Norway	X	
Philippines	X	
Poland	X	
Portugal		X
Russian Federation	X	
South Africa	X	
Singapore		X
Spain		X
Sweden	X	
Thailand		X
Tunisia	-	-
Turkey		X
United Kingdom		X
United States	X	
Ukraine	X	
TOTAL	23	13

NEW WORDING FOR PARAGRAPH 3.3 OF S-523.3 System ENC (SENC)

- (a) The Transfer Standard is designed for the distribution of digital chart data. It is recognized that it is not the most efficient means of storing, manipulating or preparing data for display. Each manufacturer of ECDIS systems may design his own storage formats or data structure to allow its system to meet the performance requirements stated in this specification. The resulting database is called the System ENC (SENC).
- (b) It is mandatory that official HO data (ENC) be available and any ECDIS must be capable of accepting and converting official HO data (ENC) to the internal storage structure of the individual ECDIS (System ENC or SENC). Such data includes both that in the ENC and that delivered in digital format to update the ENC. This conversion process does not imply real-time processing of HO supplied data.
- (c) An official copy of the HO data, distributed as an ENC or contained within an externally generated SENC, is to be kept onboard. The SENC generated on board, by ENC to SENC conversion, or ashore is used for actually operating the ECDIS. Through the same conversion process, official updates are added to the System ENC.

The information content of the SENC should include all that of the ENC corrected by official updates (see Appendix 1).

NEW IHO TECHNICAL RESOLUTION A3.11

(Publication M-3, Chapter A, Section 3)

Technical Resolution A3.11 – ENC/SENC Distribution Option

It is resolved that SENC distribution can be accepted as an option, in addition to direct ENC distribution, providing that the following principles be adhered to:

1. The HO should ensure that the IHO data (ENC) is always available to any user in the S-57 ENC format.
 2. As an option Hydrographic Offices may allow the distribution of their HO data (ENC) in a SENC format.
 3. Distributors who are to supply the SENC service must operate under the regulations of the issuing authority. The onshore ENC to SENC conversion must be performed using type approved software.
 4. The SENC update mechanism should not be inferior to the ENC - ECDIS update mechanism.
 5. The distributor of SENC data should maintain a registry of its users.
 6. The copyright of the ENC data should be maintained.
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