

### International Hydrographic Organization

### **ECDIS Stakeholders' Forum**

Vice Admiral Alexandros Maratos President IHB

## Resolutions and Obligations related to ENCs and ECDIS









### IMO NAV 54

### **IHO Submissions:**

NAV54/14/5 – Status of ENC Coverage
NAV54/14/6 – Status of IHO Chart Catalogue

	IMO	
SUB-COMMITTEE O NAVIGATION 54th session Agenda item 14	N SAFETY OF	NAV 54/14/5 24 April 2008 Original: ENGLISH
DEVELO	PMENT OF CARRINGE I	EQUIREMENTS FOR ECDIS
		nal Chart (ENC) Availability
Submitte	d by the International Hyd	rographic Organization (IHO)
	SUMMA	RY
Executive summary:	This document provides ENCs	updated information on the availability of
Strategic direction:	5.2	
High-level action:	5.2.4	
Planned output:	5.2.4.1	
Action to be taken:	Paragraph 13	
Related documents:	NAV 52/18, paragraph NAV 53/22, paragraphs DNV Report No.2008-00-	6.19; NAV 53/5/2, NAV 53/INF3, 5.18 to 5.23 and 14.1 to 14.11 and 18 (Revision No.1).
In conjunction with the Member States have de requirements. The IHO steadily increasing and	consideration of mandatory eided to anticipate and take in its report to NAV 53 (N that there would be an aden ECDIS carriage requirement eventeenth International Hys	as a major factor in improving safity of son- corringer experiments for EC208, of the BIO C208, and the BIO W33522 indicated that ENC concept was and a compare of constant ENCs by the time ware likely to be adopted by the DBO. Requestion Conference in May 2020 adopted as and comply with the BIOs World+side
two resolutions which o .1 IHO Mo Electron details a	ic Navigational Database ()	WEND) Principles, which provide technical to achieve adequate coverage, availability,

SUB-COMMITTEE O NAVIGATION 54th session	N SAFETY OF	NAV 54 24 April 2 Original: ENGL
Agenda item 14		
DEVELO	MENT OF CARRIAGE REQ	UREMENTS FOR ECDIS
Development of	f a comprehensive online cata	logue of available official charts
Submitte	l by the International Hydrog	raphic Organization (IHO)
	SUMMARY	
Executive numbers:	This document provides updat the IHO online eatalogue of a	ed information on the development or vallable official charts
Strategic direction:	5.2	
High-level action:	5.2.4	
Planned output:	5.2.4.1	
Action to be taken:	Paragraph 11	
Related documents:	NAV 52/6/1, NAV 52/18, NAV 53/22, paragraphs 5.1 No.2773 and No.2850	paragraphs 6.1 to 6.25; NAV 533 5 to 5.17 and IMO Circular let
Intraduction		
the work undertaken to and sought comments? sustion of the Sub-Co conclusions in section ? <b>Developments</b> 2 The IHO has or	prepare a "Comprehensive onl infact guidance from the Sub-6 mmittee discussed this matter of its report to the Maritime Sa mirrared with the technical devel	d NAV 53 (NAV 53/5/1) en flag stat ne catalogue of available official ch Committee on flis matter. The flip- under agenda titum 5 and superto fay Committee (MSC) (NAV 53/22) permett of fliss cellino catalogue white
nearing completion. T fifty-fourth session of th	ne 115.7 will be amanging to be Sub-Committee.	demonstrate the exhilogue during



## **Governmental Obligations**

SOLAS V/9 - provision of hydrographic services .... <u>collection</u> and <u>compilation</u> of hydrographic data and the <u>publication</u>, <u>dissemination</u> and <u>keeping up to date</u> of all nautical information necessary for safe navigation

Means:

- surveying and data collection
- publication of charts and nautical publications
- chart maintenance, updating
- providing Maritime Safety Information (MSI)



## **Governmental Obligations**

SOLAS V/9 - provision of hydrographic services

Can be achieved :

- directly via government
- through bi-lateral assistance from other States
- using commercial providers
  - in whole or in part
  - <u>But</u> responsibility and obligation remains with <u>Coastal State Government</u>



# Governmental Obligations SOLAS V/2 –

 Nautical chart or nautical publication is a specialpurpose map or book, or a specially compiled database from which such a map or book is derived, that is <u>issued officially</u> by or on the <u>authority of a Government</u>, authorized <u>Hydrographic Office</u> or other relevant government institution and is designed to meet the requirements of marine navigation\*.

Refer to appropriate resolutions and recommendations of the <u>International Hydrographic Organization</u> <u>concerning the authority and responsibilities of coastal States</u> in the provision of charting in accordance with regulation 9.



## Governmental Obligations UN Resolution A/58/240

"Invites the <u>International Hydrographic Organization</u> and the <u>International Maritime Organization</u> to continue their coordinated efforts, to jointly adopt measures with a view to encouraging greater international cooperation and coordination for the transition to electronic nautical charts and to increase coverage of hydrographic information on a global basis, <u>especially in areas of international navigation</u> <u>and ports</u> and where there are vulnerable or protected marine areas."



## Governmental Obligations IMO Resolution A.958(23)

"Invites Governments, in addition to their existing obligations under SOLAS Regulation V/9, to promote <u>through their national maritime administrations</u>, the use of ECDIS together with the use and further production of official ENCs."



## **IHO Commitment to ENCs**

IHO Resolution - May 2007 :

ENC Coverage Availability Consistency and Quality

Member States should adhere and comply with the WEND Principles in order for the IHO, through its Member States, and the regional and worldwide bodies in which they come together, to achieve <u>adequate</u> <u>coverage, availability, consistency and quality of ENCs</u> by 2010



### Outcome of NAV 54

Adopted the following definition:

ENC coverage - is equivalent to the best available paper chart coverage of either a hydrographic office providing global coverage or the hydrographic office of the coastal State

Recommended:

Phased introduction of a mandatory carriage requirement for ECDIS between 2012 and 2018 - depending on class of ship and tonnage

**Recommended:** 

States may grant exemption for ships due for retirement within 2 years of the relevant implementation date



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