

**Report to the
13th IHO CHRIS Meeting
Athens 17-19 August 2001**



**European
ENC
Coordinating
Centre**

Main Issues since the last Meeting



- New Cooperating HOs: Spain, and Belgium
- New data Partner: Transas as exclusive distributor for Russian data
- S57 Edn 3.1 service provided since 01 July 2001
 - Issue CATALOG.031 file with a mixture of 3.0 and 3.1 data files
- Validation software testing
- Validation Task Force

RENC Developments



- Future Development of the RENC
 - Revised CoA
 - PRIMAR cooperation
- Competition Issues
- Non-ENC Application Licensing
- Pricing
- Small-Scale Coverage
- Production Forecasts (1-3-5 year)
- Promotion of ECDIS – National Maritime Administrations
- VPN and Validation Task Force
- Validation software testing

International Liaison

- Belgium
- Spain
- Greece
- Turkey
- Russia
- Latvia
- Estonia
- Korea
- Japan
- India
- Singapore
- Malacca Strait
- South Africa
- Canada
- USA (NOAA)
- Chile
- Peru
- Argentina

Virtual PRIMAR Network



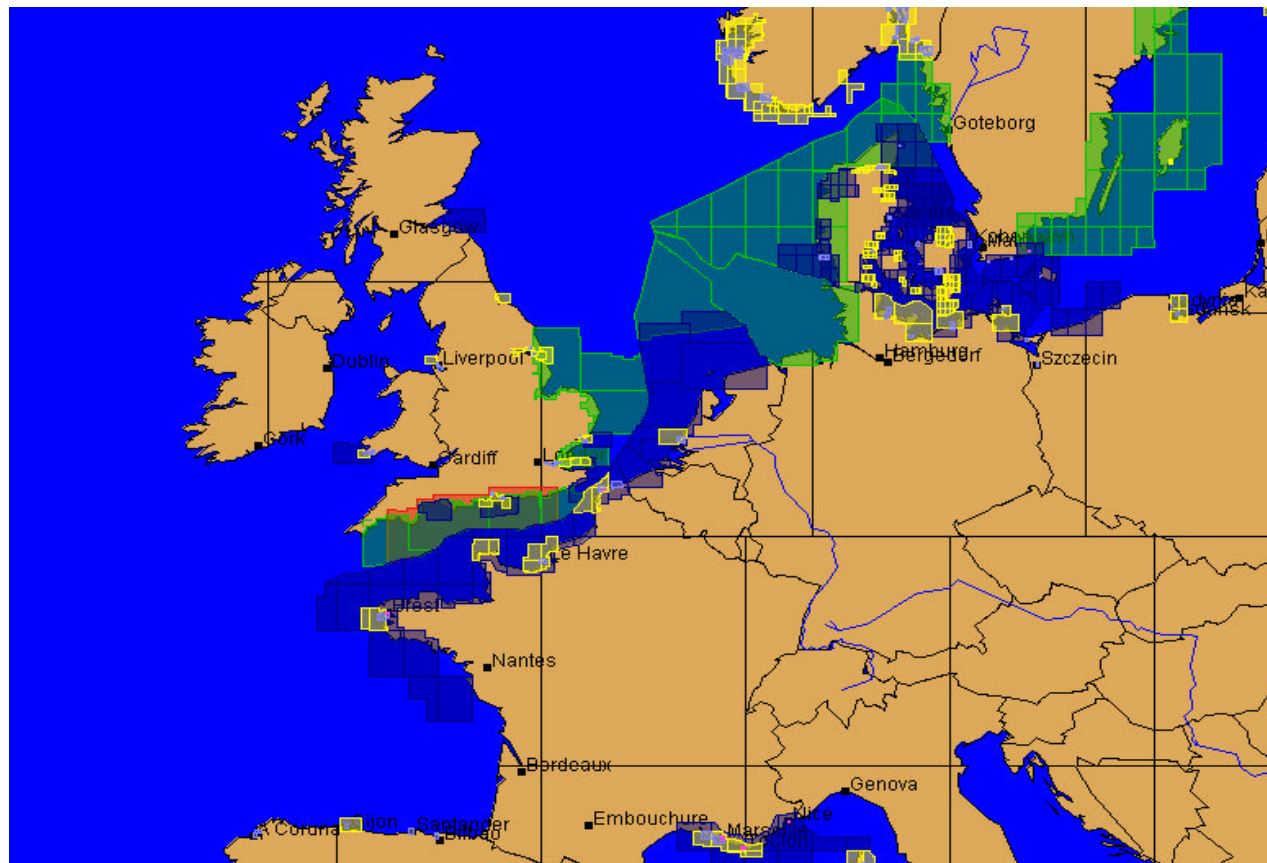
- In use by most CHOs for Uploading, Releasing and Downloading ENC data
- Being tested by many non-CHOs:
 - Peru, India, Korea, NOAA, Japan and South Africa. Also ChartCo and a Netherlands Navy contractor.
 - Test site available at **www.virtualrenc.org**
 - User Manual and registration available at **www.primar.org**
- Can be used by HOs to create a national ENC Service.
- Can be used as the "engine" for a RENC.

Marketing Activities

- Primar Chart Catalogue Campaign
 - *Navigating your way around the world of official ENC's*
 - 3000 copies distributed to our Distributors and their current and potential customers
 - Adverts in main shipping magazines
 - Increased awareness for ENC's in shipping companies and mariners
 - Experience users changing from ECS data to official ENC's
- Seminars with our Distributors
- Exhibitions and Conferences
- Outlook Newsletter

Coverage

New Catalogue: August 2001

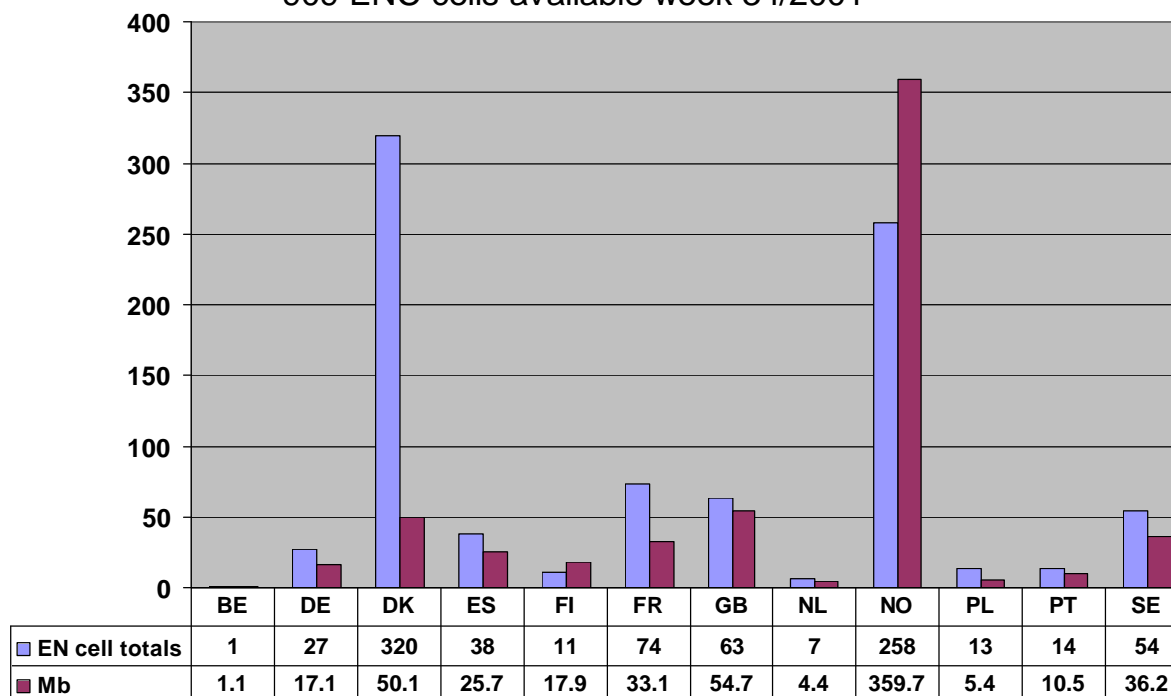


Cell Numbers and Volume



Volume and Number of Available ENC Cells Week 34/2001

909 ENC cells available week 34/2001



Plus between 15 and 20 new Editions per week

Cell Numbers by Usage Band



Country	Usage Band						Total
	1	2	3	4	5	6	
BE – Belgium			1				1
DE - Germany		1	4	6	16		27
DK - Denmark		20	166	115	19		320
ES – Spain			8	11	19		38
FI – Finland				11			11
FR – France			38	22	8	6	74
GB – Great Britain	1	10	12	20	20		63
NL – Netherlands		1	6				7
NO – Norway				213	45		258
PL – Poland			5	4	4		13
PT – Portugal	1	2	3	2	6		14
RU – Russia			3	4	14	8	29
SW - Sweden		42	5	2	3	2	54
Totals	2	76	251	410	154	16	909

Cell Availability by the end of 2001



COUNTRY											
DE	DK§	ES	FL	FR	GB	NL	NO	PL	PT	SE	Total
35	312	55	32	89	99	13	315	8	18	72	1048

§ Danish coverage will be complete.

NB: Excludes Russia and Belgium

Source: CHO Reports to the Paris Advisory Committee Meeting, March 2001.

41 Authorized Distributors in 19 Countries



EUROPE

Finland	2
Germany	4
Netherlands	3
Poland	1
Denmark	3
UK	7
Norway	4
Belgium	1
Sweden	3
Greece	1
Spain	2
France	2
Italy	1

World-Wide Coverage



NORTH AMERICA

Canada 2

SOUTH AMERICA

Uruguay 1

ASIA

Japan 1

Korea 1

Indonesia 1

Singapore 1

Original Equipment Manufacturers (OEMs)



Compatible Systems:

7 ECDIS

6 ECS

1 Kernel

Under development:

10 companies

Distribution of standard:

70 companies

Company Name	Logo	ECDIS* / ECS**
Navintra		ECDIS
FURUNO		ECDIS
Kelvin Hughes		ECDIS
Litton		ECDIS
MARIS		ECS
Raytheon		ECS
SAM Electronics		ECDIS
SIMEX		ECS
SIS		ECDIS
Transas		ECDIS
TRESCO		ECS
Poonghan Int.		ECS