

**11th WEND COMMITTEE MEETING
Tokyo, 2-5 September 2008**

PRIMAR STATUS REPORT

The PRIMAR Regional Electronic Navigational Chart Coordinating Center (RENC) has been operated by the Norwegian Hydrographic Service (NHS) since 1st April 2002 on a not-for-profit basis.

The vision of PRIMAR is to be the most efficient model for provision of the ENC services and maritime geospatial data worldwide, in order to enhance safety at sea and protect the maritime environment.

1 Current Activities

PRIMAR focuses on providing the Hydrographic Offices, commercial distributors, and the national users access to superior technical solutions backed up with excellent support services to enable creation of innovative and end-user focused services. Current availability of all technical services stands at 99.94%.

The operations at PRIMAR encompass the following areas:

- Online ENC validation, data management, and financial reporting tools for the HOs
- Chart Catalogue and fleet management tools for the distributors
- Business to business services to the distributors
- Instant access to ENC data and the ENC permit system
- ENC services towards national maritime authorities (navy, pilots, police, VTS, Search and Rescue)
- Contribute to assisting nations in meeting the EU Inspire directive¹
- Contribute to Port State inspector services²

PRIMAR ENC distribution network currently consists of 54 distributors located all over the world. ENC sales are fully automated using the Business to Business (B2B) services or via the PRIMAR Chart catalogue enabling the distributors operate independently 24x7. Currently about 96% of all sales activities are automated.

¹ Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)

² Port State Inspector tools currently being beta-tested and expected to be available in September 2008.

The PRIMAR Online services (PRIMAR Online, Remote update and ECDIS Online) allow end-users access to PRIMAR ENC database in real time, ensuring that they receive the official navigational data when they need and where they need.

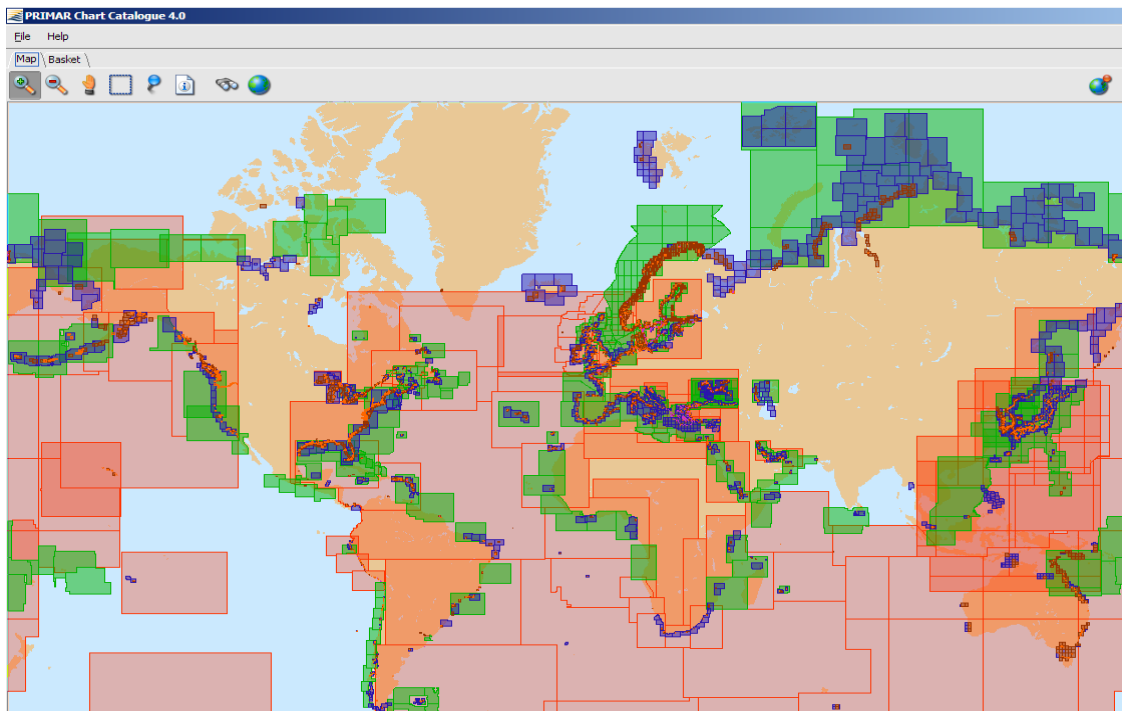
2 ENC Coverage and growth of ENC database

The hydrographic offices of the following nations are members of the PRIMAR RENC: Norway, Denmark, Sweden, Finland, France, Poland, Greece, Russia, Latvia, Estonia, Croatia, and Mozambique.

PRIMAR also has agreements for distribution of ENC data from the following: USA, Canada, Italy, Japan, Singapore, Ukraine, South Korea, East Asia Hydrographic Commission.

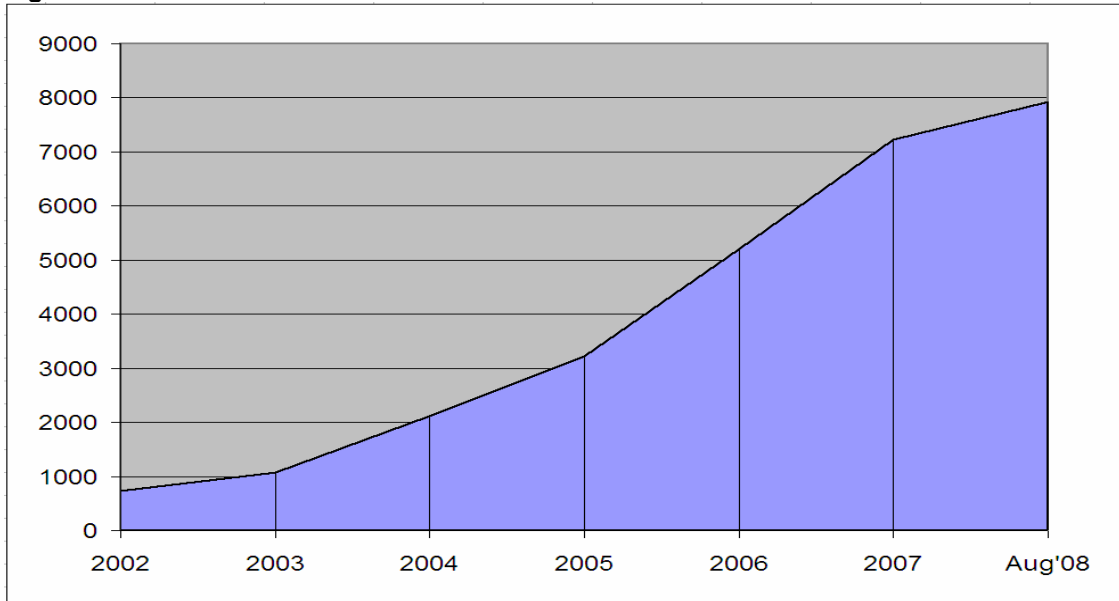
In addition to the ENC data from the above mentioned nations PRIMAR receives data from the IC-ENC RENC and thus altogether provides ENC data from over 35 nations to various end user segments.

Figure 1 PRIMAR ENC Coverage – August 2008



The number of ENCs in PRIMAR database has grown steadily as shown in the figure 2. The increase in the number of ENCs has been significant since 2005.

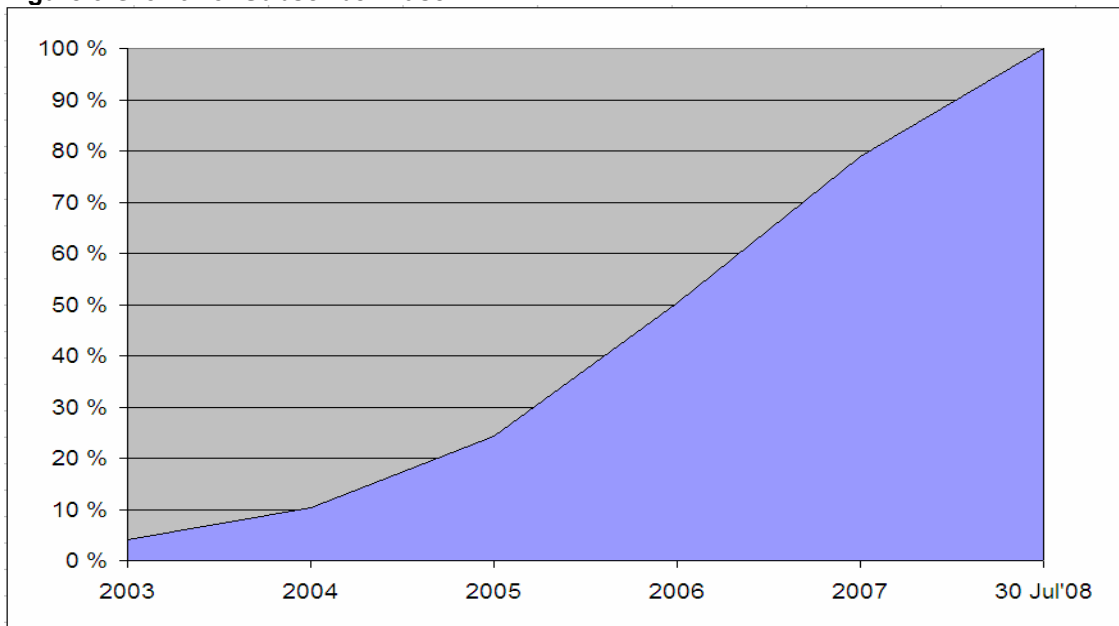
Figure 2 Growth of ENC database in PRIMAR ENC Service



3 Growth of number of end users and ENC sales

As is the case with the ENC database, the growth of subscribers has been particularly noteworthy since 2005. Although the total number of subscribers is still small compared to the total size of the SOLAS fleet, the outcome of the NAV54 meeting is expected to provide further impetus to the positive trend experienced in the past two years.

Figure 3 Growth of Subscriber Base



ENC sales have experienced a steady growth since 2005 and continue to do so in 2008.

Figure 4 PRIMAR ENC Sales

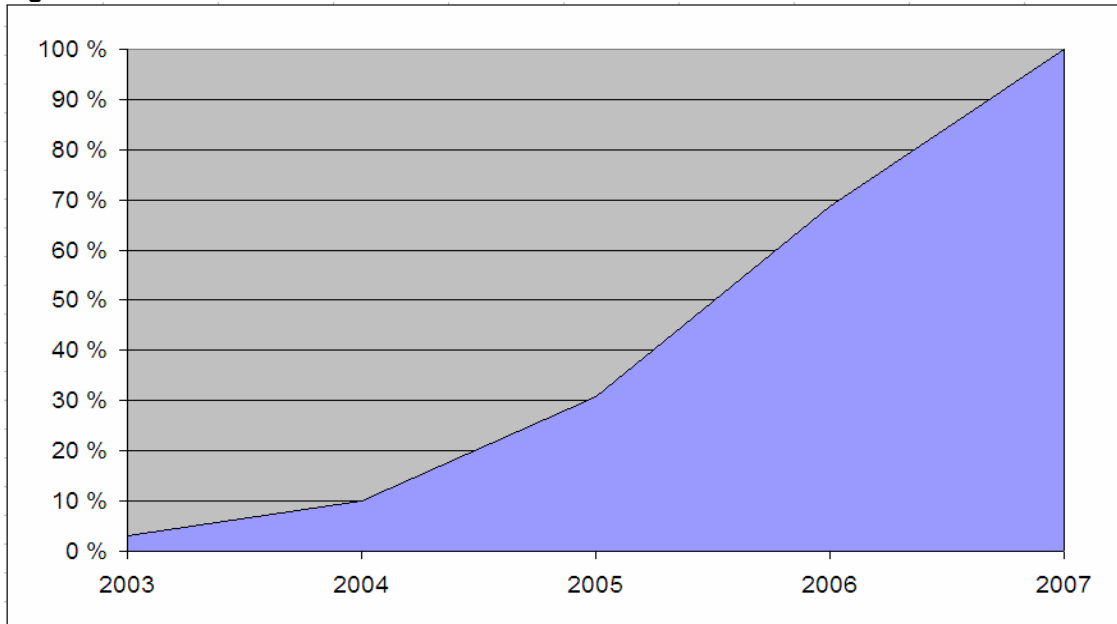


Figure 5 shows the relative growths of the ENC database, number of subscribers, and number of subscriptions since 2004 and demonstrates a close correlation between the three.

Figure 5 Relative rates of growth - ENCs, end users, & subscriptions

