14th CHRIS MEETING
Shanghai, China, 15 - 17 August 2002

REPORT ON ENC DEVELOPMENT (GREECE)
By Alexis Hadjiantoniou M.Sc. Head P & D Dept.
DIGITAL CARTOGRAPHY DIVISION

ENC Development in Greece

The project of the production of ENCs and their Updates is curried out in co-operation between the Hellenic Navy Hydrographic Service (HNHS) and C-Map Norway and it is estimated to be completed within the year 2004.

The production will be based on selected charts of our paper chart portfolio, which will be digitised and transformed into S57 Ed 3.1 format. At a second phase the dataset will be cut into cells after eliminating all redundant data that occur due to overlapping of the paper charts.

The cell scheming in the different Usage Bands, which will cover the area of our responsibility, has not yet been finalized. This matter is very important and it will be one of the first items to be discussed within the MBS VRENC and the MEDChartNet project, where HNHS actively participates.

As indications please consult next table, which refers to the number of the paper charts, that according to plan, will be digitised by the end of 2002.

Usage Band		Available Paper charts	Paper Charts converted to S57 Ed3.1 June 2002	Paper Charts converted to S57 Ed3.1 Dec 2002
6	Berthing	241	0	13
5	Harbour	72	0	6
4	Approach	23	4	2
3	Coastal	40	8	26
2	General	9	3	0

It should be noted that for all, converted to S57 Ed3.1, charts there is an Updating service in progress, according to which C-Map generates the necessary ER files based on HNHS's monthly issued NtMs.

In order to assist production, not only in the phase of Attribution but in the phase of Quality Control as well, HNHS has taken the Actions described in the next table:

	Action	Progress
1	**Greek Coding Guide** The Greek Coding Guide is based on the Greek version of INT 1 which is encoded according to S57 Ed 3.1 The final product will be used, not only for the ENC production project, but also for the generation of paper Charts on demand, using dKart Publisher.	75%
2	**SCAMIN Guidelines** This document will give detailed guidelines for the use of SCAMIN for every generated OBJECT.	60%
3	**Chart Database** This DB has been developed to monitor the progress of the project. Main parameters that are being monitored are: - The Geographic characteristics of the charts - The Reproduction and other material that it is being forwarded to C-Map for the production - The NtMs that affect a chart and their status within the Updating service - The status of the Quality Control for every chart - Comments and observations for corrections – improvements that need to be made on the paper charts, etc.	100%
4	**Lights Database** This DB is the digital form of the Greek List of Lights	100%
5	**Gazetteer Database** The Toponyms DB consists of approximately 10.000 coastal and maritime geographical names of Greece, which are used in our paper charts.	90%

Finally, it should be mentioned that it has been decided to perform a test bed, with selected S57 datasets, on board of one of our H/S vessels using an KONGSBERG – SIMRAD SPS2000 ECDIS.

_____