

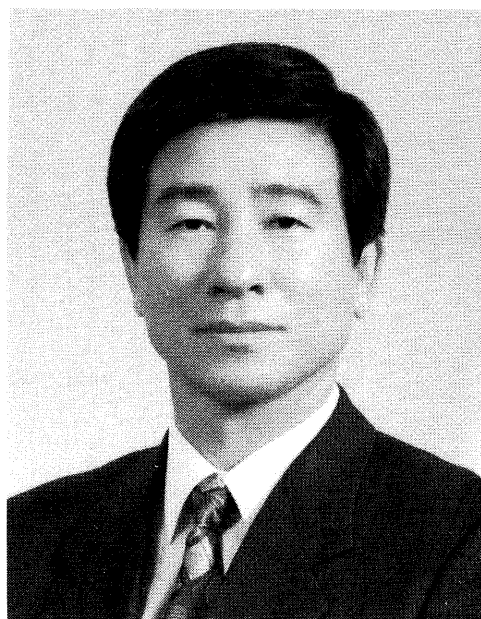
NEW DIRECTOR GENERAL OFFICE OF HYDROGRAPHIC AFFAIRS, REPUBLIC OF KOREA

Mr. LEE, Eun Sik assumed the post of Director General of the Office of Hydrographic Affairs (OHA), Ministry of Construction and Transportation, Republic of Korea on 6 January in place of Mr. CHO, Se Yun.

Mr. LEE, age 48 was born at Puchon, close to Inchon, where this office is located, in the province of Kyunggido, Korea and he attended the Military Academy and graduated in 1972, then joined the Ministry of Construction, which is currently the Ministry of Construction and Transportation unified with two ministries on 1 January 1995, as a civilian after being discharged from military service as Captain of the army. Since then he had worked in the important posts such as Director of the Housing Management Division and Director General of Han River Flood Control Office, etc., before being Director General of OHA.

He has been first assigned to hydrographic work and interested in this job and will do his best for the development of hydrography and oceanography, in particular, electronic chart, using a newly built survey vessel HAEYANG 2000 equipped with state-of-art hydrographic and oceanographic systems.

Under the frame of the International Hydrographic Organization, he will have further developed relation with Member States for exchanging information as well as developing technology.



Mr. LEE, Eun Sik
New Director General, Office of Hydrographic Affairs
Republic of Korea

2ND ENC SEMINAR HELD IN TOKYO

The second East Asian Seminar on Electronic Navigational Chart (ENC) Technology was held at the Hydrographic Department of Japan (JHD) from 17 to 19 October 1995. This seminar was organized and arranged as scheduled in support of the Japanese Ministry of Transport and Japan Hydrographic Association (JHA).



Welcome address by Mr. Masaru Shiozaki, Chief Hydrographer of JHD

The seminar was attended by:

- Mr. Li Shubing,
Programme Officer in Hydrography,
Maritime Safety Administration,
People's Republic of China;
- Colonel Nurdin Sila,
Chief, Chart Division,
Dinas Hidro-Oceanografi, Indonesia;
- Mr. Kim, Chang Hoon,
Director, Maritime Safety Division,
Office of Hydrographic Affairs, Republic of Korea;
- Dr. Suh, Sang Hyun,
Group Head,
Korean Research Institute of Ship & Ocean Engineering,
Republic of Korea;
- First Adm. Mohd Rasip Bin Hassan, Director,
Hydrographic Directorate, Malaysia;
- Mr. Lim Wee Kiat,
Assistant Hydrographer, Hydrographic Department,
Port of Singapore Authority, Singapore;

From Japanese side;

- Mr. Masaru Shiozaki,
Chief Hydrographer, JHD
 - Mr. Shuichi Muto,
Director, Administration Division, JHD
 - Dr. Yasuhiro Ganeko,
Director, Planning Division, JHD
 - Dr. Yoshio Kubo,
Director, Coastal Surveys & Cartography Division, JHD
 - Mr. Masahiko Sakamoto,
Director, Notices to Mariners Division, JHD
 - Mr. Tadao Tatsuno,
Director, Oceanographic Data & Information Division, JHD
 - Mr. Shin-ichi Kikuchi,
Head, Cartography Office, JHD
 - Dr. Minoru Sasaki,
Head, Int'l Cooperation Office, JHD
- and the other JHD staff concerned.

The seminar was opened with the welcome address made by

Mr. M. Shiozaki, Chief Hydrographer, JHD, which was followed by a keynote speech made by Mr. S. Kikuchi, introducing a message contributed by Mr. Adam J. Kerr, Director of IHB, who was not able to attend this seminar.

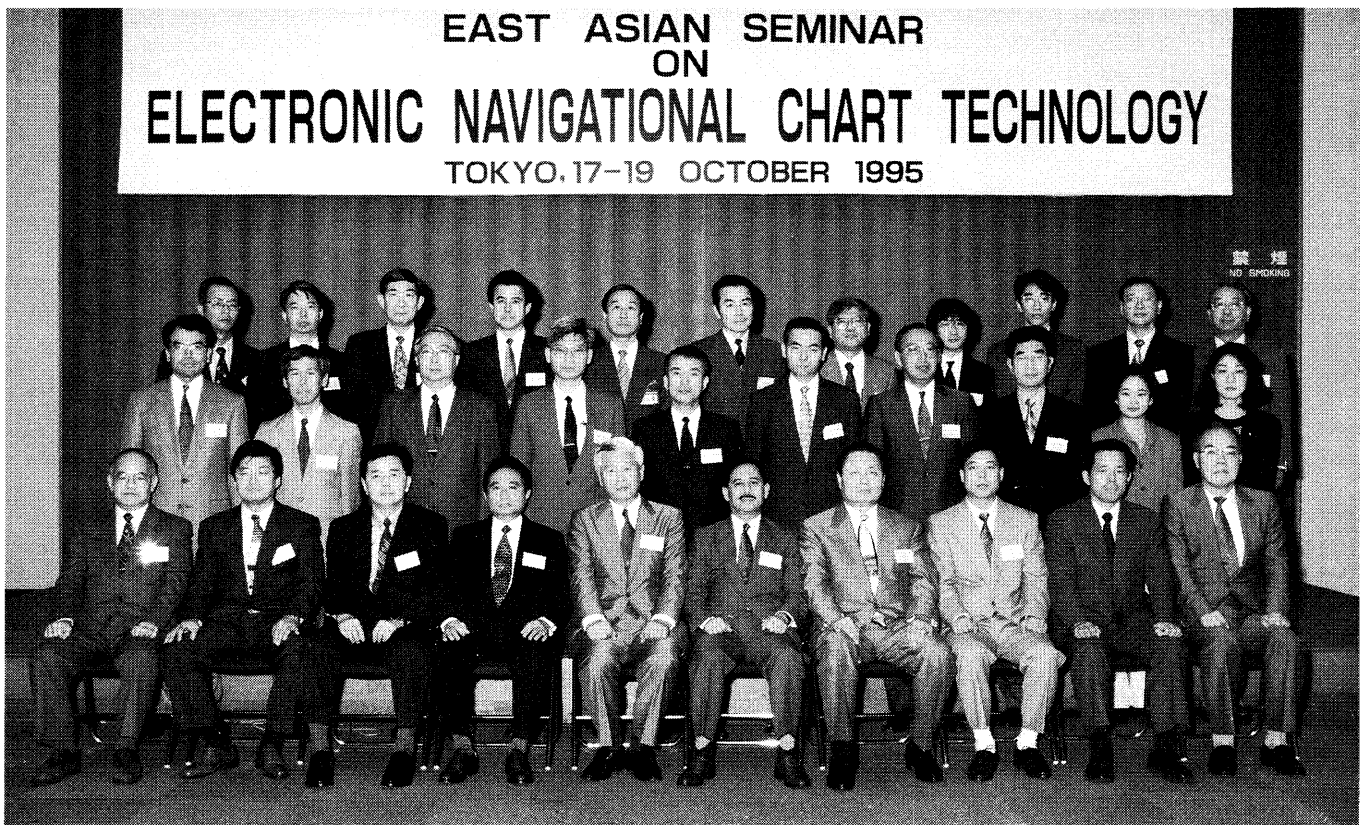
The gist of his keynote speech was as follows:

The regulatory situation:

- It marked a very important event in the evolution of ECDIS that the Performance Standards for ECDIS were adopted by the IMO assembly.
- IMO Sub-Committee on Safety of Navigation (SON) was involved in consideration of revision of SOLAS Chapter V. Principle matters of revision are adoption of the new Regulation on Hydrographic Services, and the definition of a chart intended to encompass both paper and digital versions.
- The International Electrotechnical Commission (IEC) is compiling technical specifications and the testing procedures that are needed to evaluate the Performance Standards and the IHO Specifications.

The present status of ENC production:

- Australia, Canada, Japan and Norway have already published ENC, and France, Germany, Italy, Singapore, UK are following them.
- Raster chart can be produced with low cost, so it recognized



Participants of Second East Asian Seminar on ENC Technology, 17 October 1995



as an interim product until S-57 data becomes available, and producing the digital information for using together with the data of GPS, Radar and etc.

- The US DMA's VPF data base does not meet the IHO standard but it does seem to provide a safe and reliable vector chart that, although not meeting the precise requirements of the S-57 Standard, must be considered more intelligent and therefore versatile than raster data system.
- There has been considerable activity in raster data development not only UK ARCS but also in the USA, Canada, Cuba and Australia.

The country report on the present status and future plan of chart digitization and ENC production was also made by each participant, as follows:

CHINA

The Maritime Safety Administration adopted the CARIS software system (Computer Assisted Resource Information System made in Canada) as a tool for hydrographic information system and ENC production. So far, they have digitized most of the port and channel charts and more than 10 coastal charts. At present, they are mainly working for the production of ENC in CARIS format and the study of reliable and effective ENC updating method. The CARIS format is able to be transformed into the DX90 format.

INDONESIA

Dinas Hidro-Oceanografi adopted CARIS system in June 1995, and the realization in producing digital maps began with the system.

JAPAN

JHD published its first ENC No. 7001 in March 1995, compiled and produced in conformity with the IHO Standards S-57, the internationally adopted format DX90. The second and third ENCs will be published by March 1996. JHD also conducting studies on updating of ENC in cooperation with domestic ECDIS manufacturers and maintaining close communications with IHB and the countries concerned.

KOREA

Office of Hydrographic Affairs (OHA) has introduced the system digitizing nautical chart, and is now going on test operation until the end of 1995. OHA contracted with the Korea Research Institute of Ship and Ocean Engineering to cooperate in developing the process of ENC production and establishing chart database as a three-year project. The production of ENCs will begin from the end of 1997.

MALAYSIA

The Hydrographic Department has been carrying out the conversion of paper to digital chart file. At present, a total of 24 out of 50 charts has been completed. It will take some time before it is fully completed.

SINGAPORE

The Hydrographic Department (HD) embarked on the development of the ENC. By 1996, the ENC data covering Singapore water would be released commercially in CD-ROM. HD is looking into the ARCS of British Admiralty, as an interim solution, it could be used to cover areas where there are no ENC data.

Dr. Kubo, Director, Coastal Surveys and Cartography Division, JHD, presented about establishment of East Asia RECC. Further study will be continued in the EAHC-WG on suitable RECC for East Asian Region.

All participants had much interest in ENC, and an animated discussion was done in the seminar.

The discussion and the outcome of the seminar were very successful and valuable, which will expectedly make a great contribution to the future cooperation and development of ENC for each country of the East Asia Hydrographic Commission.