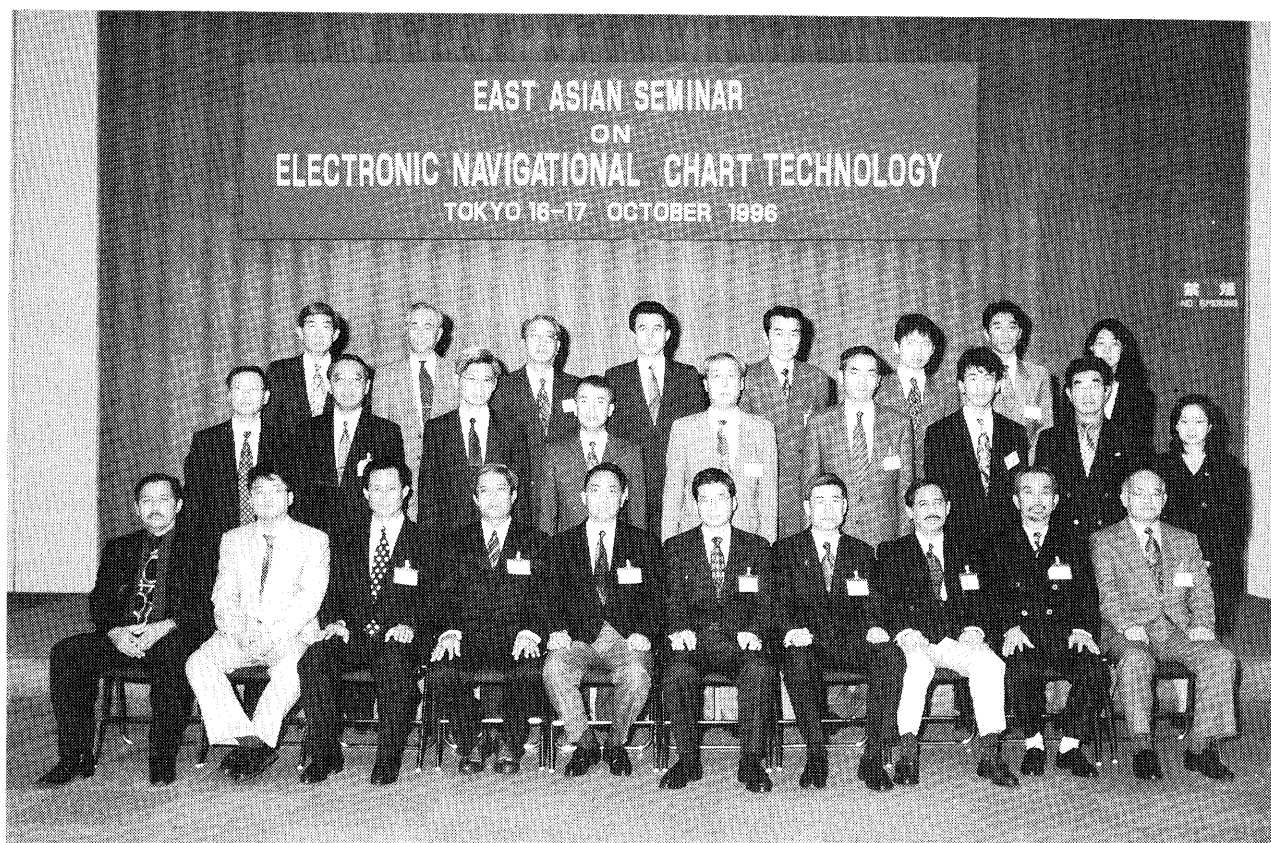


## 3RD EAST ASIAN SEMINAR ON ENC TECHNOLOGY HELD IN TOKYO



3rd East Asian Seminar on ENC Technology held on 16 and 17 October 1996 at JHD, Tokyo

The East Asian Seminar on Electronic Navigational Chart (ENC) Technology was held at the Hydrographic Department of Japan (JHD), Tokyo, on 16 and 17 October 1996. This was the third seminar in series, the first and the second of which were held in 1994 and 1995, respectively, organized by JHD in support of the Japanese Ministry of Transport and the Japan Hydrographic Association.

The third seminar was attended by the representatives from Indonesia, Japan, the Republic of Korea, Malaysia, Philippines and Singapore.

After a welcome address made by Dr. S. Oshima, Chief Hydrographer of Japan, a paper entitled "Progress by IHO and its Member States on a World Wide Electronic Navigational Chart Data Base (WEND)" prepared and submitted by Mr. A. J. Kerr, Director of IHB as well as a report on IHO Workshop on S-57 Edition 3 and IHO Database Working Group held in September 1996 were introduced and discussed by Mr. S. Kikuchi, Head of the Cartography Office, JHD. Following these, the country report on the present status of ENC database production was presented by each participating country, respectively.

Other papers submitted and discussed were "Updating procedures ER on S-57 Edition 3", "Digitization of paper charts in JHD", "Outline of Guidance on Updating and correspondence of JHD" and "PC Based ENC Display System with GIS". At the last stage of the Seminar, East Asian RENC and ENC production plan for the Straits of Malacca and Singapore were reported.

At the Seminar five hydrographers from Indonesia, Japan, Malaysia, Philippines and Singapore were met together. Lively discussions and exchange of information on ENC and other subjects in the wide field of hydrography were made in friendly atmosphere.

The participants of the seminar were:

### Indonesia

First Admiral Nicolas P. Ello, Chief Hydrographer  
Naval Hydro-Oceanographic Service

Mr. Eko Maulana Ali, Chief  
Survey Operations Section  
Naval Hydro-Oceanographic Service

**Republic of Korea**

Mr. Lee, Jae-Sub, Deputy Director  
Nautical Charting Division  
National Oceanographic Research Institute (NORI)

Dr. Sue, Sang-Hyun, Group Head  
Maneuvering Control Group  
Korean Research Institute of Ships & Ocean Engineer-  
ing (KRISOE)

**Malaysia**

First Admiral Mohd Rasip Hassan, Director General  
Hydrographic Directorate  
Royal Malaysia Navy

**Philippines**

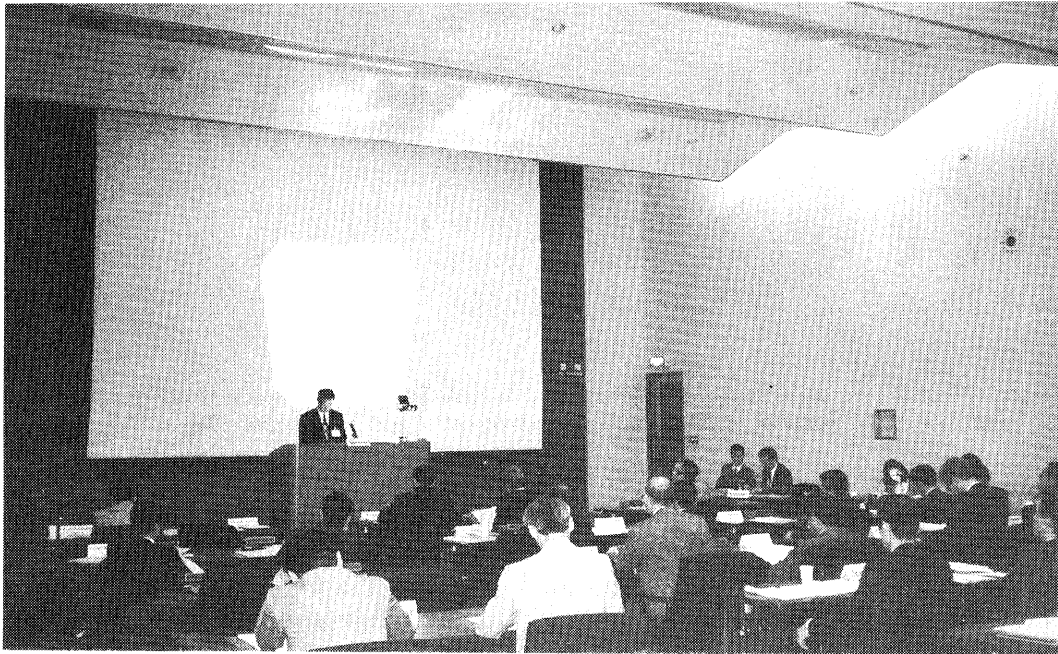
Commodore Renato B. Feir, Director  
Coast & Geodetic Survey Department  
National Mapping, Resources & Information Authority  
(NAMRIA)

**Singapore**

Captain Wilson N. F. Chua, Hydrographer  
Hydrographic Department  
Maritime & Port Authority

**Japan**

Dr. Shoichi Oshima, Chief Hydrographer  
Hydrographic Department  
Japan Maritime Safety Agency



Mr. Yasuyuki Sunouchi, Deputy Director General  
Japan Hydrographic Department (JHD)

Mr. Shuichi Muto, Director  
Administration Division, JHD

Dr. Yasuhiro Ganeko, Director  
Planning Division, JHD

Dr. Hideo Nishida, 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 of Cartography Office  
Coastal Surveys & Cartography Division, JHD

Dr. Minoru Sasaki, Head  
International Cooperation Office  
Planning Division, JHD

Mr. Noriyuki Sugawara, Deputy Director  
Notices to Mariners Division, JHD

Mr. Keiji Shimizu, Senior Cartography Officer  
Cartography Office, Coastal Surveys & Cartography  
Division, JHD

Mr. Toru Kajimura, Cartography Officer  
Cartography Office, Coastal Surveys & Cartography  
Division, JHD