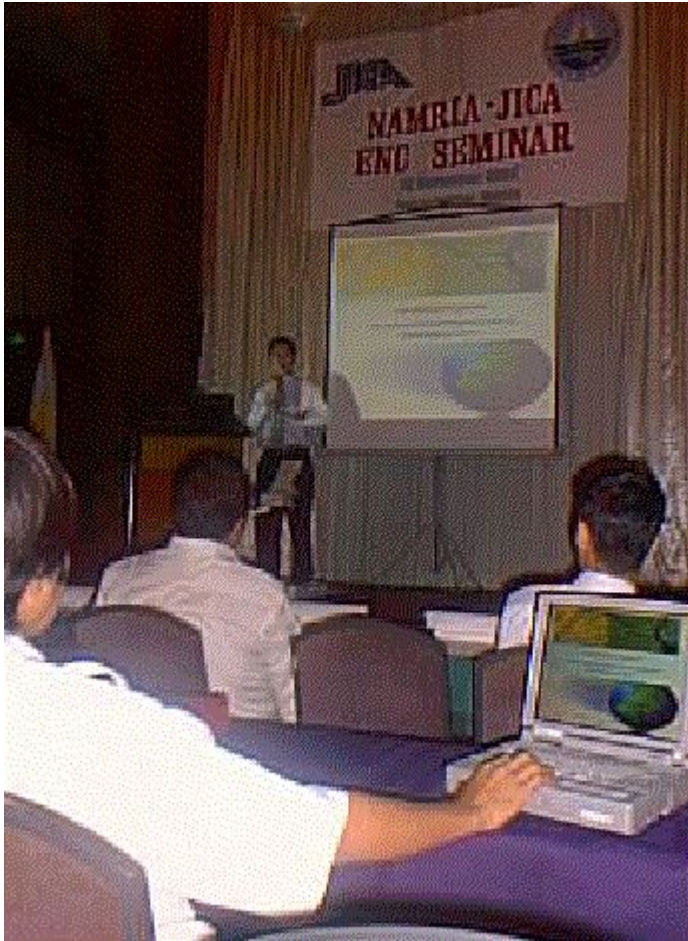


Seminar on ENC Held in Manila, Philippines

The Coast and Geodetic Survey Department of the National Mapping and Resource Information Authority (CGSD, NAMRIA) and the Japan International Cooperation Agency (JICA) conducted a joint seminar entitled, "Introduction of Electronic Navigational Chart in the Philippines. The seminar was held at the Manila Diamond Hotel along Roxas Boulevard in Manila last November 12, 2002.

The event aimed to introduce to the maritime sector and other agencies in government the importance and usefulness of electronic navigational chart. The seminar also serves as an avenue in the discussion of several issues related to paper chart and ENC production in the Philippines and other countries as well. Speakers from Japan and Singapore visited the Philippines to present their papers. Three representatives from CGSD, NAMRIA also presented their papers. The title of the papers presented were, "From Analog to Digital to Electronic Navigational Chart", by Lt. Rosalino C. Delos Reyes, "An Overview of ENC Production in the Philippines," by Engineer Tita Cruz, "Issues on ENC Production and Related Developments," by LCdr. Herbert L. Catapang, "ENC Status of the World," by Dr. Masakazu Tsuchide, "Status of ENC in Japan," by Mr. Toru Kajimura, and "The SHARED Program," by Mr. Jaime Chen. Dr. Tsuchide and Mr. Kajimura are both from the Japan Coast Guard and Mr. Chen is from the Maritime and Port Authority of Singapore. An open forum follows after each paper presentation. For better appreciation of the participants, an ECDIS demonstration was also held at the venue to showcase the different functionalities of the ENC and the ECDIS. About seventy (70) people representing the local and international shipping, several government agencies



involved in the maritime industry, supplier of navigation equipment, and the press participated in the seminar.