

Meeting: International Maritime Organization (IMO) Sub-Committee on Safety of Navigation (NAV 52)

Period: 17 July to 21 July 2006

Meeting place: IMO headquarters, London, UK

### Participants from NMRI

**Dr. Junji Fukuto**, Head of Navigation System Group  
**Mr. Kazuhiro Tabuchi**, Senior Researcher of Centre for International Cooperation



**Fukuto** (Left) with **Mr. Imai**, Chief Researcher of Japan Ship Technology Research Association



**Tabuchi** (centre) with **Mr. Koiso** (Left), First Secretary of Japanese Embassy (London) and **Mr. Sato** (Right) Director, International Affairs Office, Hydrographic and Oceanographic Department, Japan Coast Guard

### MAJOR CONTRIBUTIONS

**Mr. Tabuchi**, in the discussion on Development of Carriage Requirements for ECDIS, introduced Japanese submission paper of Formal Safety Assessment on Evaluation of Cost-Effectiveness of ECDIS in routes of Cargo Ships Considering ENC Coverage, which was carried out by National Maritime Research Institute. He gave the Sub-Committee members to understand that implementation dates of mandatory installation of ECDIS for ships should be harmonized with ENCs availabilities of intended routes for ships, answering questions from delegates. As a result, we got lots of support from other delegations. And Norway and Netherlands etc., which were insisting mandatory installation prior to ENCs availabilities, also justified the NMRI's FSA. Further discussions will be made in next session.

**Dr. Fukuto and Mr. Tabuchi** also took opportunity to exchange views with a certain researcher in UK on research matters of E-Navigation, which was a new issue of the Sub-Committee. Because that UK has led the IMO discussions on E-Navigation, they have established continuous communications for mutual interests and related on-going researches.

**Dr. Fukuto** introduced main functions and effectiveness of a newly developed integrated navigational information display (INT-NAV) in the plenary with many courtiers' support. He also demonstrated main functions of the INT-NAV with a compact simulator during lunchtime and coffee breaks in the first two days at delegation lounge of IMO building. Many people gathered around our demonstration and give many favourable comments and constructive advice on it.

### MAJOR OUTCOMES OF THE MEETING

#### Amendments to the ECDIS Performance Standards

The ECDIS Performance Standards was finalized to be adopted by the forthcoming MSC in November, which would include several technical updates and editorial clarifications.

#### Performance Standards for Shipborne GALILEO Receiver Equipment

Standards for GALILEO receiver equipment were finalized to be adopted by the forthcoming MSC, which intended for a stand-alone GALILEO receiver. There may be a future need for performance standards for combined GALILEO/GNSS receivers.

## **Development of Performance Standards for Navigation Lights, Navigation Light Controllers and Associated Equipment**

The Sub-Committee noted with interest the information provided by Japan on the result of a research on LED navigation lights. Significant differences between LED navigation lights and ordinary navigation lights using incandescent bulbs would be taken into account during the development of standards in next session.

## **Consideration of IACS Unified Interpretation**

Clarification for the application of Rules 23(a), 27(b) including sections 3(b) and 9(b) of Annex I to the 1972 COLREGs, as amended, and Clarification for applying SOLAS regulation V/19.2.2.1 were agreed to be approved by the forthcoming MSC.

## **Development of an E-Navigation Strategy**

Concerning this new issue, the Sub-Committee carried out preliminary consideration referring relevant documents including Japanese submission, which introduced Japanese on-going research on E-Navigation. In order to progress the work for next session, an intercessional Correspondence Group led by the UK was established.

## **Development of Carriage Requirements for ECDIS**

See above major contributions of Mr. Tabuchi.

## **Integrated Navigational Information System on Seascape Image**

See above major contributions of Dr. Fukuto.

## **Next Meeting Schedule**

The next session (NAV 52) will meet for 5 days from 23 July to 27 July 2007 at Horticulture Halls in London.