

IHB File No. S3/8151/SEA TRIALS

<p>CIRCULAR LETTER 53/1999 25 November 1999</p>

SHARED PROGRAMME

Dear Sir,

Please find attached herewith a copy of the Report of the 3rd SHARED Programme Meeting (in English), held in Singapore from 12-13 October 1999. The IHO Member States who have attended SHARED Meetings are Australia, Chile, Hong Kong (SAR), Indonesia, Japan, Malaysia, Singapore, Republic of Korea, United Kingdom and the United States of America.

The IHB has participated in this Programme since the outset and, due to the importance of the Programme as an interim electronic nautical charting solution, it has been proposed that this Programme be made a formal project of the WEND Committee. This will be proposed at the next WEND meeting which is to be held in Monaco from 16 to 18 March 2000.

Those Member States who would like to participate in the programme are advised to contact either the Hydrographer of Singapore or of the United Kingdom.

On behalf of the Directing Committee,
Yours sincerely,

Rear Admiral Neil GUY
Director

Encl: Report of the 3rd SHARED Programme Meeting (in English only)

**3RD SHARED PROGRAMME
MEETING**

Singapore

12 – 13 October 1999

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¹ *Note by IHB: The Annexes listed here are not provided with the Report, but may be obtained, upon request, from the Hydrographic Department in Singapore.*

MINUTES OF THIRD SHARED PROGRAMME MEETING, SINGAPORE, 12 – 13 OCTOBER 1999

1. WELCOME ADDRESS

- 1.1 Captain Wilson Chua, Chairman of the Meeting, welcomed participants from Australia, Chile, Hong Kong (SAR), Indonesia, Japan, Malaysia, PRIMAR, Republic of Korea, United Kingdom, USA and Singapore. The list of participants appears at Annex A*.

2. APPROVAL OF AGENDA

- 2.1 The agenda for the 3rd SHARED Meeting was adopted and appears at Annex B*.

3. RE-CONFIRMATION OF SHARED PROGRAMME OBJECTIVES

- 3.1 Mr Parry Oei provided a brief summary to reconfirm the SHARED objectives, scope and coverage. He highlighted the urgent need for capacity building by HOs for ENC production and updating. A copy of the presentation is shown at Annex C*.

4. REVIEW OF ACTIVITIES

Republic of Korea – Australia Project

- 4.1 Dr Suh (Republic of Korea) informed the meeting that 205 paper charts have been digitised and converted into ENC S57 Ed 3. These ENCs were used in the ECDIS sea trial onboard the MV Hanjin Madras in the waters of the Republic of Korea. However, under the next phase of the sea trial, the route would be extended to Australia. (See Annex D1*). In this regard, Australia has agreed to contribute data of their waters for the sea trial.
- 4.2 A video on the sea trial was presented at the meeting. The video highlighted the feedback from ECDIS users eg. advantages of real-time navigation during berthing and in congested waterways. In addition the ECDIS has proven to be useful in poor visibility and the workload of the navigators was significantly reduced with automatic updating. However, it was noted that there was a need for a larger ECDIS screen for information display. It was also highlighted that ECDIS training for users is necessary.

Europe and Far East – Original SHARED route

- 4.3 Mr David McPherson (UK) reported that, to date, ten vessels are involved in the SHARED programme, nine of which are car carriers belonging to the Wallenius Line. The meeting noted that three of the original SHARED vessels

had withdrawn from the programme as the ECDIS onboard had not been maintained.

Malacca and Singapore Straits ENC's

- 4.4 LCdr Lim Joon Chai (Malaysia) reported on the status of quality assurance (QA) on the Malacca and Singapore Straits ENC that had been jointly produced by Indonesia, Malaysia, Singapore and Japan. An ENC workshop for the three littoral states to carry out the final QA of the ENC, before releasing the data for sea trials, has been planned before the end of 1999. The ENC is expected to be released by 1Q 2000. (See Annex D2*). The meeting noted that Singapore would act as the coordinator for the editing and updating of the ENC's until an official updating and distributing mechanism had been established.

Australia

- 4.5 Cdr Ward reported that ENC's covering the Great Barrier Reef through the Torres Strait have been produced. ENC's covering Weipa and Gladstone ports would be available by end 1999. He also informed the meeting that updating would be carried out on a cell replacement basis for the time being. The meeting noted that he would be the point of contact should any interested party require Australian ENC's for evaluating purposes.

Chile

- 4.6 Mr Pablo Glasinovic reported that Chile would be embarking on a commercial ENC service in November 1999. He added that there was great interest in a sea trial from the Magellan Strait to the Malacca and Singapore Straits. He said that he would assist in identifying suitable vessels covering this shipping route.

Hong Kong (SAR)

- 4.7 Mr K P Kui reported that two large scale cells covering Hong Kong harbour have been produced and added that a third was in preparation. The meeting noted that Hong Kong had sent the ENC's to the UK and Singapore HO's for feedback and will send to interested parties for comments.

Indonesia

- 4.8 Col Purmono reported that DISHIDROS had produced some trial ENC's covering the three Archipelagic Sea Lanes for testing. See Annex D3* for the country report.

Japan

- 4.9 Mr Kokuta reported that the Japan Hydrographic Department is in the process of converting all the small scale ENC's from S57 version 2 to edition 3 by end 2000. Large scale harbour and approach category cells are also progressively being made commercially available. (See Annex D4*). To date 233 copies of the CD-ROMs have been sold.

Malaysia

- 4.10 LCdr Lim reported that in addition to the Malacca and Singapore Straits ENC's, an ENC production plan would be implemented covering Malaysian waters and appears at Annex D2*.

Singapore

- 4.11 Mr Jamie Chen reported that, to date, 180 copies of the Singapore ENC have been sold. Apart from updating the Singapore ENC database, MPA has been involved in the editing and QA of the Malacca and Singapore Straits ENC's.

5. TRAINING

- 5.1 Mr Jamie Chen reported that 3 officers from the AHO attended the 3-week ENC Production and QA course conducted by MPA in July 1999.
- 5.2 Cdr Ward said that the Australian Maritime College is developing a national syllabus for a generic ECDIS user training course and would be investigating the requirements for ECDIS type specific training.
- 5.3 Mr Kokuta said that the JHD would conduct an ENC data production programme for the Philippines commencing end 1999.

6. IDENTIFICATION OF NEW ACTIVITIES

Proposed New Activities

- 6.1 Singapore presented the following two new activities :
- a). Neptune Orient Lines (NOL) vessel(s) from Europe to Japan via Singapore; and,
 - b). Round the world tour by the Republic of Singapore Navy in the International Naval Review 2000 in New York. See Annex F* for details.

The meeting was informed that the Canadian Hydrographic Service and the National Oceanographic and Atmospheric Administration (US) have agreed to provide ENC's covering the Port of Halifax and Port of New York respectively.

In addition, France has indicated that they would favourably consider providing ENC of the Port of Toulon.

- 6.2 It was reported that Japan and the Republic of Korea would examine the possibility of a trial between the two countries.
- 6.3 The meeting confirmed that existing SHARED trials be continued. These were:
 - a) Singapore – Hong Kong – Europe
 - b) Republic of Korea - Japan
- 6.4 The meeting agreed that there was a need for closer coordination and cooperation between HOs to support the sea demonstrations. It was agreed that either one of the initiators of a route to be the project leader. The meeting also agreed that Singapore would be the SHARED Programme Coordinator. The project leader should then inform the Programme Coordinator of the progress of the demonstration and of new initiatives at half yearly intervals.
- 6.5 The meeting decided that the time frame for the sea demonstrations would be one year after which the participating HOs would mutually review the demonstration achievements before deciding further action.

Profiling of SHARED to Regional Hydrographic Commissions

- 6.6 The Meeting agreed that SHARED should not be linked to the East Asia Hydrographic Commission (EAHC) as some members were not members of the EAHC. The meeting also agreed that objectives and activities of SHARED should be published through the International Hydrographic Bulletin and EAHC Newsletters.

QA Tools

- 6.7 Members agreed to provide a list of their available QA software tools to the Coordinator for compilation. The purpose is to facilitate independent checks of the ENCs.

7. ROADMAP FOR SHARED PROGRAMME

- 7.1 The roadmap is attached at Annex G*.

8. FORMALISATION OF SHARED AND ADOPTION INTO THE IHO ECDIS WORKING GROUP

- 8.1 The draft Terms of Reference (TOR) and letter to IHB for SHARED to be considered as a committee under WEND have been drawn up. Participants have been requested to submit their views and comments to Singapore by the end of November 1999. A copy of the draft TOR and letter to IHB appear as Annex H* and I* respectively. The final TOR and letter would be submitted to IHB for consideration.

9. NEXT MEETING

- 9.1 It was agreed that the 4th SHARED Meeting would be held by October 2000. The actual date would be made known through correspondence.

** Note by IHB: The Annexes listed here are not provided with the Report, but may be obtained, upon request, from the Hydrographic Department in Singapore.*