

**INTERNATIONAL HYDROGRAPHIC
ORGANIZATION CAPACITY BUILDING
COMMITTEE**



**The recognized S8 (Carto) Category B Marine
Geospatial Information Program**

REPORT

July 2016

Korea Hydrographic and Oceanographic Agency

SUMMARY SHEET

Title of the Activity: The recognized S8 (Carto) Category B Marine Geospatial Information Program

Host Country: Republic of Korea

Venue / Date: Korea Hydrographic and Oceanographic Agency, Busan, Republic of Korea / 4 April - 3 June, 2016

Organized by: Korea Hydrographic and Oceanographic Agency (KHOA)

Supported by: IHO

No. of participants/countries: 8 / 6 (4 person supported by IHO)

Costs: Euros

1. SUMMARY REPORT

IHO S8 Category “B” Marine Geospatial Information Programme sponsored by the Republic of Korea will be delivered in a 3-year cycle, and a total of 8 participants, including 4 participants sponsored by the IHO Capacity Building Fund and additional 4 participants supported by ROK, have completed Phase 2.

Phase 2 of a Marine Geospatial Information Program which is one of the 2016 IHO Capacity Building programmes was taken place at Korea Hydrographic and Oceanographic Agency (KHOA), Busan, ROK, from 4 April to 3 June.

Participants taking part in Phase 2 learned basic elements of survey data processing, sounding selection and nautical chart compilation with practical exercises. They also understood how to use tools and the contents of software for chart production through practical exercises based not only on paper charts but on digital charts. In this way, they were trained to understand and visualize Electronic Navigation Charts and developed their ability to use basic GIS software.

2. VENUE, DATES AND PARTICIPANTS

The course was taken place at the training room of KHOA, 4th April – 3rd June 2016. 8 participants attended the course, including 4 trainees from support of IHO CB, and 4 trainees from additional support from ROK. The list of participants appears as Annex 1.

3. PERFORMANCE DETAIL OF PHASE 2

Dates		Lessons
2016-04-04	2016-04-08	Survey data processing, bathymetry, sounding selection, contour interpolation, and navigation
2016-04-11	2016-04-15	Paper chart production; cartography best practices; both theory and practical exercises

2016-04-18	2016-04-22	Paper chart finishing; ENC compilation review and S-57 feature coding
2016-04-25	2016-04-29	ENC compilation and complex compilation: theory plus small and large practical exercises
2016-05-02	2016-05-06	ENC compilation and complex compilation: theory plus small and large practical exercises
2016-05-09	2016-05-13	ENC compilation and complex compilation: theory plus small and large practical exercises
2016-05-16	2016-05-20	Compilation plus source assessment, ENC QC and validation and ENC product finishing
2016-05-23	2016-05-27	More ENC compilation; review of paper chart finishing
2016-05-30	2016-06-03	Review for theory and practical exams and preparation of take-home compilation assignment

4. TOTAL COST

Items	Amount
	Euro
Flights(4 students)	13,438
Accommodation(4 students)	21,280
Meals	7,830
Lecturer fee Includes: - Training labor cost - Accommodation - Meals, visa and incidentals - Return airfare	33,000
Printing costs for training notes and Training aids	4,982
Total	80,530 Euro

5. ANY OTHER ACTIVITIES

KHOA offered participants opportunities to board its hydrographic survey ship to help them understand essential elements of charts that are used for not only safety navigation but also various works during the Cat B “Marine Geospatial Information Programme training course. In addition, KHOA provided opportunities for participants to go sightseeing not only to keep in shape during their long term training course in a foreign country but also to promote friendship between participants. Moreover, participants took part in various activities such as visiting Haedong temple to experience Korean culture, and the National Institute of Fisheries Science to get an introduction on fisheries research.

ANNEX 1 – LIST OF PARTICIPANTS

Students

NO.	Country	Name	Organization
1	Bahrain	Omar Alshaer	Hydrographic Survey Directorate
2	Ecuador	Edison Enrique Guaman Mejillones	INSTITUTO OCEANOGRAFICO DE LA ARMADA
3	Vietnam	Manh Dong Duy	VIETNAM MARITIME SAFETY South and North
4	Cuba	Vivian Hernandez Espinosa	Nautical Cartographic Agency
5*	Philippines	Fortunato Bancolo III	National Mapping & Resource Information Authority
6*	Philippines	Macayan Ruel	National Mapping & Resource Information Authority
7*	Korea(Rep.of)	KIM Suyu	Korea Hydrographic and Oceanographic Agency
8*	Korea(Rep.of)	JEONG Wonju	Korea Hydrographic and Oceanographic Agency

**Financial Supported by Republic of Korea*

Lecturer

NO.	Country	Name	Organization
1	UK	Chris Harper	IIC
2	Portugal	Nuno Silva	IIC
3	Canada	Matt Ordower	IIC
4	Canada	Noelle Beaudoin	IIC
5	US	Chris Yeager	IIC