

**INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING COMMITTEE**



**WORKSHOP ON TECHNICAL ASPECTS OF MARITIME BOUNDARIES,
BASELINES AND THE EXTENDED CONTINENTAL SHELF**

- REPORT -

11/ 2012

**INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING COMMITTEE**

SUMMARY SHEET

Title of the Activity: The workshop on the technical aspects of maritime boundaries, baselines and the extended continental shelf

Host Country: Vietnam

Venue and Date: Renaissance Riverside Hotel, Ho Chi Minh City, Vietnam. 19–23 November 2012

Organized by: Vietnam Maritime Safety (South and North)

Supported by: International Hydrographic Organization (IHO) and United Kingdom Hydrographic Office (UKHO)

No. of participants/countries: 19 persons / 9 countries

Cost: Euros

Executive Summary

The workshop was hosted by Southern Vietnam Maritime Safety Corporation and Northern Vietnam Maritime Safety Corporation (VMS-S and VMS-N) during 19th – 23rd November 2012 at the Renaissance Riverside Hotel, Ho Chi Minh City, Vietnam. Two lectures from UKHO and 19 students attended the workshop, including 09 students from EAHC MS and 10 students from non-MS (Vietnam).

The primary purpose of the workshop is: the objectives of the course were to give participants an understanding of the requirements and basic principles of drawing territorial sea limits and maritime boundary delimitation. The delegates were mainly from technical hydrographic or cartographic backgrounds and by the end of the week were able to understand the importance of technical aspects in the delimitation process, the legal principles behind boundary delimitation, and play their role in a boundary team alongside lawyers, politicians and other experts.

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2. INTRODUCTION

The workshop on technical aspects of maritime boundaries, baselines and the extended continental shelf is part of the 2012 IHO Capacity Building programme. It was sponsored by IHO and UKHO. It was organised and hosted by the Southern Vietnam Maritime Safety Corporation and Northern Vietnam Maritime Safety Corporation (Ministry of Transport). The objective of this workshop was to promote the significance of hydrography in other aspects in addition to the familiar one, safety of navigation. Specifically, it was aimed to raise the profile of the hydrography to personnel and higher rank officers involving in hydrographic activities.

3. OBJECTIVES

The objectives of the course were to give participants an understanding of the requirements and basic principles of drawing territorial sea limits and maritime boundary delimitation. The delegates were mainly from technical hydrographic or cartographic backgrounds and by the end of the week were able to understand the importance of technical aspects in the delimitation process, the legal principles behind boundary delimitation, and play their role in a boundary team alongside lawyers, politicians and other experts

4. VENUE, DATES AND PARTICIPANTS

The workshop was held at the Renaissance Riverside Hotel, Ho Chi Minh City, Vietnam. The accommodation was also provided for 02 lecturers and 09 students at the Renaissance Riverside Hotel, Ho Chi Minh City, Vietnam. Two lecturers Dr Robin Cleverly and Mr John Brown were from the Law of the Sea Division and UKHO. Nine students from 8 countries, and 10 observers and

06 coordinators from VMS-S and VMS-N attended the workshop. The description of the participants is detailed in Annex 1.

5. TOTAL COST

ITEM	AMOUNT	
	VND	Euro
Accommodation (8 Students + 2 lecture)	204,088,500	7,613
Course fee		
Round trip air fare (8 students)	106,565,457	3,975
Meeting room fee (8 Students + 2 lecture)	21,822,460.88	814
Workshop facilities and documents	19,731,365.12	736
Refreshment		
TOTAL		13,138

Exchange rate (15 November 2012): 1 Euro = 26,808.92 VND

6. DESCRIPTION OF DAILY ACTIVITIES

Please refer to Annex 2 for the program of the workshop

Day 1

1-1 Introductions and course overview

1-2 Introductory exercise to discuss general principles

1-3 Introductions to UNCLOS and maritime zones: development of law of the sea leading to UNCLOS

1-4 Maritime zones: rights and responsibilities: Internal waters, TS, CZ, EEZ and CS.

1-5 Introduction to charts - focused on relevance to law of the sea applications

1-6 Chart familiarization exercise: simple exercise to examine features relevant to LOS

1-7 Normal baselines: constituent parts of the baseline

1-8 Normal baseline practical. Drawing a territorial sea limit on chart

Day 2

2-1 Straight and archipelagic baselines

2-2 Straight baseline practical: drawing of straight baselines

2-3 Chart accuracy: problems with charts and improvements

2-4 Geodesy in law of the sea: use of map datum; loxodromic and geodesics

2-5 Delimitation: general principles and the median line

2-6 Median line practical: Drawing a median line (Black sea example)

2-7 Outer Continental Shelf – provisions of Article 76 and the role of the CLCS

2-8 OCS –Brief discussion and status of the OCS in SE Asia

Day 3 (rest-day) Visit to Cu Chi tunnels arranged by VMS (S)

Day 4

3-1 General principles of delimitation & methods (continued)

3-2 Equitable boundary practical: produce boundary proposals for a variety of schematic scenarios

4-1 Development of case law/jurisprudence

4-5 The role of the technical expert

Day 5

Introduction to scenario and start of team work

Syndicate work on delimitation scenario

Presentation of delimitation scenario in moot court, judgment and analysis.

Photographs from the Course



The assembled group



At the beginning of the course



Working on the baselines exercise



Drawing baselines



Robin Cleverly was demonstrating how to draw a territorial sea



John Brown was discussing boundaries



Working up the delimitation scenario



Sightseeing at Cu Chi Tunnel.



Closing Ceremony

7. COLLATERAL ACTIVITIES

This Section is for providing other interesting information gathered or the description of activities not considered earlier or in the program.

8. EVALUATION OF THE EVENT BY PARTICIPANTS

The result of evaluations is annexed to the report as Annex 3. In summary, all participants were very satisfied with this course. Lecturers' preparations and performance were excellent. The contents of

the subject were appropriate covering essential issues and topics. How practical exercises were carried out were very impressive and enhanced students' experiences. Providing more practical exercises would be even better. This course or more advanced one should be conducted in the future but with longer duration, probably two weeks. While workshop material and documents were well prepared, the size of characters in workshop hand-outs was too small.

9. EVALUATION OF THE EVENT BY THE REPORTER

The workshop was well prepared and organized, especially to include a practice session allowing participants to gain more understanding and experiences in maritime boundary issues. Working in group together with presentation and discussion is also an important part of the workshop, which was a good opportunity for participants to share ideas and learn from each other. Participants were very enthusiastic and intent. The event was also an occasion for participants to strengthen their relationships and share their cultures. Good cooperation between lecturers and organizers brought this workshop success.

10. CONCLUSIONS AND RECOMMENDATIONS

This workshop is successful to promote the significance of hydrography in technical aspects of maritime boundary issues and to raise the profile of the hydrography to personnel involving in hydrographic activities. The success of the workshop is greatly contributed to the quality of lecturers. This kind of workshop should be carried out in the future with longer duration. Importantly, the workshop strengthens the relationships and cooperation among member states.

11. ACTION LIST (IF ANY)

This Section is to compile the recommended actions clearly identifying the activity, the responsible and timing suggested.

ANNEX 1 - LIST OF PARTICIPANTS

Lecturers

Name	Nationality	Organization	Position
Dr Robin Cleverly	UK	UK Hydrographic Office	Head, Law of the Sea
Mr John Brown	UK	UK Hydrographic Office	Law of the Sea

Students

Name	Nationality	Organization	Position
Sub.Lt. Wuttipong Deekrajang	Thailand	Hydrographic Department, Royal Thai Navy	Navigation officer & Hydrographic Officer of HTMS.SURIYA , Surveying Vessel Group, Hydrographic Vessel Division, Hydrographic Department.
Miss. Yukari FUJIOKA	Japan	Hydrographic and Oceanographic Department, Japan Coast Guard	Assistant Continental Shelf Surveys Officer
Miss. SUN Bing	China	China Maritime Safety Administration	Engineer.
ENGR. MARIO A. PRINCER	Philippines	National Mapping and Resource Information Authority	
AHMAD LUFTI IBRAHIM	Indonesia	Dishidros (Indonesian Hydrographic Office)	
Mohd Syahir bin Eleas	Malaysia	National Hydrographic Center Royal Malaysian Navy	LCdr RMN
Jong-Yeon PARK	Korea	KHOA	Senior Engineer
Mr Jamie Chen Yin Kiat	Singapore	Maritime and Port Authority of Singapore (MPA)	Deputy Chief Hydrographer (Hydrographic Dept)

Observers

Byung Seong LEE	Korea	KHOA	Senior Engineer
Mr Nguyen Trong Thanh	Vietnam	VMS-South	Deputy Head of Maritime Safety Dept
Ms. Nguyen Thi Quoc Anh	Vietnam	VMS-South	Staff of Maritime Safety Dept
Mr Quang Thanh Nhien	Vietnam	VMS-South	Staff of Maritime Safety Dept
Mrs Nguyen Thi Hien	Vietnam	VMS-South	Head of Technical Dept. Hydrographic and survey Enterprise
Mr Nguyen Huu Huy	Vietnam	VMS-South	Director of Hydrographic and survey Enterprise
Mr Do Van Lam	Vietnam	VMS-North	Staff of Maritime safety department

Mr Dong Duy Manh	Vietnam	VMS-North Hydrographic Survey Division – North	Deputy Head of Technical Department
Mr Mai Thanh Tung	Vietnam	VMS-North Hydrographic Survey Division – North	Staff of Technical Department
Mr Nguyen Dinh Hai	Vietnam	Hydrographic office of Vietnam Navy	The head of Technical inspection Department, Hydrographic office of Vietnam Navy
Mr Ha Van Tung	Vietnam	Hydrographic office of Vietnam Navy	Vice – chief of Staff Department, Hydrographic office of Vietnam Navy

Coordinators

Mr Tran Tieu Long	Vietnam	VMS South	Deputy Head of Maritime Safety Dept
Mr Nguyen Ngoc Quoc Duy	Vietnam	VMS South	Maritime Safety Dept
Ms Nguyen Thi Thuy	Vietnam	VMS South	Maritime Safety Dept
Mr Pham Quang Giap	Vietnam	VMS South	Deputy Plan & Investment Dept.
Ms Do Chau Kieu Linh	Vietnam	VMS South	Bussiness Dept.
Mr Le Ngoc Nam	Vietnam	VMS South	Sea Magazine

ANNEX 2 – PROGRAMME

Monday 19 November			
8.30	9.00	Set up of conference facilities etc	
9.00	9.30	1-1 Introductions and course overview Individual introductions, course objectives, logistics etc	RC/JB
9.30	10.30	1-2 Introductory exercise Working in teams to discuss general principles	RC/JB
Coffee break			
11:00	12.00	1-3 Introduction to UNCLOS and maritime zones Development of law of the sea leading to UNCLOS	RC
Lunch break			
13.00	14.00	1-4 Maritime zones: rights and responsibilities Internal waters, TS, CZ, EEZ and CS. States' responsibilities	JB
14.00	14:30	1-5 Introduction to charts Basic chart introduction – focused on relevance to law of the sea applications	RC
14:30	15.00	<i>1-6 Chart familiarisation exercise</i> <i>Simple exercise to examine features relevant to LOS: low water line, islands, LTEs, reefs, lights, harbour works etc</i>	
Coffee break			
15.15	16.00	1-7 Normal baselines Constituent parts of the baseline	JB
16.00	16.30	<i>1-8 Normal baseline practical</i> <i>Drawing a territorial sea limit on chart</i>	

Tuesday 20 November			
8.30	9.00	Revision exercise from day 1 – maritime zones	
9.00	9.30	2-1 Straight baselines Straight and archipelagic baselines	RC
9.30	10.30	2-2 <i>Straight baseline practical</i> <i>Continuation of normal baseline practical and drawing of straight baselines</i>	
Coffee break			
10.45	11.30	2-3 Chart accuracy Problems with charts and improvements, using imagery.	JB
11.30	12.00	2-4 Geodesy in law of the sea Use of map datum; loxodromic and geodesics	RC
Lunch break			
13.00	13:30	2-5 Delimitation: drawing a median line	JB
13.30	14.45	2-6 <i>Median line practical</i> <i>Drawing a median line (Black Sea + Bahrain-Saudi?)</i>	
Coffee break			
15.00	15.45	2-7 Outer Continental Shelf – provisions of Article 76 and the role of the CLCS	RC
15.45	16.30	2-8 OCS – submissions to the CLCS Brief discussion of OCS submissions, and a review of those from SE Asia.	RC

Wednesday 21 November			
8.30	9.00	Discussion on islands	
9.00	9.30	3-1 General principles of delimitation & methods	JB
9.30	12.00	3-2 <i>Equitable boundary practical</i>	
Finish			

Thursday 22 November			
8.30	10.30	4-1 Development of case law/jurisprudence	RC
Coffee break			
11.00	11.30	4-2 Special circumstances - Summary	RC
11.30	12.00	4-3 Establishing a team for negotiation and dispute resolution	RC
Lunch break			
13.00	14.00	4-4 The role of the technical expert	RC/JB
14.00	16.30	4-6 <i>Introduction to scenario and syndicate work on delimitation scenario</i>	RC

Friday 23 November			
9.00	10.30	<i>Syndicate work on delimitation scenario</i>	
11.00	12.00	<i>Syndicate presentations</i>	
		Course wrap-up, questions, evaluations	All
End of course			

ANNEX 3 - SYNOPSIS OF EVALUATION QUESTIONNAIRES

Summary the evaluation of UKHO

1. What did you like most about this workshop?

- I liked the manner of the lecturers during the course
- Syndicate work on delimitation scenario and the experience of presentation
- The explanations for past ECS results are very valuable
- I liked the manner of the lecturers (2)
- Hands-on teaching method
- Teaching format of theory followed by practical
- Education method, mix of lectures and practical
- Exercise, various case study
- New knowledge, how to construct the median line and exercise.
- The knowledge, studying environment
- Practical exercises (2)
- I liked the exercise about Victoria and Tasmania because I got experience from this e.g. baseline, reef etc.
- Median line, baseline
- Opportunity to exchange, discuss with teacher, participant on such a hard topic.
- I can better understand UNCLOS 1982 the techniques to determine the maritime boundaries, baselines, and there are new friends.
- Many things, such as situation, people, and material of the workshop
- I got good experiences, new knowledge, and most of all I am very happy.

2. Is there anything you feel could have been left out?

- No (16)

3. Where do you think improvements would be desirable?

- More time for practice (3)
- Nowhere (5)
- Should be emphasis on how to construct the median line (basic and advanced course maybe?)
- As experts I believe Robin and John should give us suitable solutions for every exercise on paper or hand-out or even is display

4. Were you satisfied with the scope and depth of presentations?

- Yes (14)
- Satisfied, I believe many articles haven't been brought out because of short time.
- Very good.
- Good introductory course
- No, I want to know in depth of case study

5. Was the pace of the workshop satisfactory?

- Yes (9)
- Yes but I have to review by myself after the course every day
- Very good the pace (3)
- Dynamic methodology of the teachers
- Lecturers speak slower is better because English level of participants is different
- Good pace from the lecturers
- Normal
- Comfortable

6. Were the hand-outs useful?

- Yes (13)
- Yes but I would like to see some of the pictures that were not printed due to animation
- Definitely – the text could be larger for easier reading
- Yes very useful (3) and very important to non-English students

7. Were you satisfied that you had been given enough tuition to enable you to do the exercises?

- Yes (15)
- Yes very much
- Yes, I loving it
- Yes, we were satisfied and sometimes come up with the good answer or solution

8. Do you have any comments about the lecturers?

- I would like the lecturers to rearrange schedule tile from 1.00 to 2.00 to suit Vietnamese
- No (5)
- They are extremely good. Vast experience.
- Good lecturers
- They are knowledgeable on the subject matter – very impressive.

- Good lecturers, with much experience in maritime boundaries
- Yes – I'll send by email
- Enthusiastic, dynamic
- I have one word: "You're the best".
- You did a good job during the week
- Self-activated
- Very good faculty
- Thank you to both teachers for their enthusiasm
- Knowledgeable and experienced. Good combination.

9. Do you have any comments about the organisation?

- I would like to have more detailed schedule before the course
- No (8)
- Compliments to the support team who organised the logistics and admin.
- Thank you for your kindness, and thank you VMS
- Good (2); Very good (2)
- I would like to say thank you to Vietnam for good workshop and warm welcome
- The organisation has organised a remarkable course

10. Do you have any comments about the venue?

- Very good (5)
- No (8)
- During the last session the room was rather cramped.
- Very interesting and good venue
- Excellent hosting. Sufficient table working space for drawing on the charts.

11. General comments

- No (4)
- It's a useful training course.
- The training course was useful, successful; look forward to attending the other courses
- Desired for IHO to hold more courses to enhance the capacity for member countries.
- The practical allowed trainees to interact with one another.
- Good organisation and venue. Perfect lecturers and agenda. I liked the exercises very much. After the course I have learnt a lot of knowledge and experience. I hope more courses be held in the region – much conflict and dispute.

- As a participant, it's very useful to learn more about maritime boundaries. Of course in short time available the material will be of benefit in the future for exploring my country's boundaries.
- This course should have basic and advanced – each level requires 5 days like this course.

Summary the evaluation of VMS-South

ANNEX 4 – OPENING AND CLOSING REMARKS

Opening remarks

Opening speech by Mr Pham Dinh Van - Director General of Southern Vietnam Maritime Safety Corporation on Monday 19th November 2012

Dr Robin Cleverly,
Mr John Brown,
Participants,
Ladies and Gentlemen,

On behalf of Viet Nam Maritime Safety South and North, Ministry of Transport, we would like to welcome all you to Viet Nam and the EAHC workshop on Technical Aspects of Maritime Boundaries, Baselines and the Extended Continental Shelf on 19th-23rd November 2012 in Ho Chi Minh City, Vietnam

This workshop is organized to emphasize an overview on technical principles applicable to maritime boundary delimitation, for hydrographers and technical staffs who would be concerned and assigned to work in this field. The participants will gain knowledge about defining and creating sea borders in their own sea waters, that is important step in Hydrographic Survey and avoids overlapping in hydrographic data; which is turn to produce navigational charts.

Finally, we would like to take this opportunity to thank IHO for financial support for the workshop, and also thank Dr Cleverly Robin, Mr John Brown from UKHO for technical support that make this workshop possible. We wish all participants get a fruitful learning experience and have a pleasant stay in Ho Chi Minh City during the workshop.

Closing remarks

Closing speech by Mr Pham Dinh Van - Director General of Southern Vietnam Maritime Safety Corporation on Friday 23rd November 2012

Dr Robin Cleverly,
Mr John Brown,
Participants,
Ladies and Gentlemen,

Finally we have come to the successful completion of the workshop. We are certain that the workshop provides the participants with, more or less, the inside knowledge of defining sea borders for Hydrographic Survey as appeared in the name we gives to this workshop. We have learnt that Dr Cleverly Robin and Mr John Brown are UKHO's professionals in this field. Thanks for your experience as you are hydrographers who worked in the hydrographic community like us. We speak the same language and understand the same thing.

Apart from the knowledge side, this is the great opportunity among the young officers in EAHC to make friends and to know each other. In the near future, we will see each other again and again, from time to time, maybe with different roles, along with the progressive development of EAHC. This will strengthen the cooperation and trust among EAHC.

On behalf of VMS-South and VMS-North, we would like to thank the IHO for funding support. Thank you so much again for the lecturers Dr Cleverly Robin, Mr John Brown from UKHO. Thank you the organizing staffs to run this workshop successfully.

NOTE:

- 1) All the activities funded/sponsored by the IHO Capacity Building Committee should provide a final report in line with this form.**
- 2) The reports will be considered by the IHO Capacity Building Committee at its annual meeting. The CBC will recommend any relevant action issuing from the consideration of the reports.**