



MACHC Letter 10/2015

Date, 15 May 2015

To: Mr. Thomas Dehling
Chair of the IHO Capacity Building Sub Committee

Subject: MACHC Capacity Building Projects

Dear Colleague,

Please find attached a belated MACHC project submission for the 13th CBSC in Mexico City. I believe the project, "Panama Multi Beam Collection and Processing Training in Spanish", has considerable potential. This submission complements the earlier MACHC submissions by MACHC letter 02/2015 d.d. 26 February 2015.

Sincerely yours,

Captain RNLN Marc C. J. van der Donck
Director Netherlands Hydrographic Office
Hydrographer of the Royal Netherlands Navy
Chairman, Meso American & Caribbean Sea Hydrographic Commission

C.c. - MACHC Members states and associate members
- Assistant Director Alberto Costa Neves, IHB
- Mr. Jeff Bryant, Chair MACHC CBC

Annex: Submission procedures 1 and 4: CB project "Panama Multi Beam Collection and processing Training in Spanish.



CAPACITY BUILDING SUB-COMMITTEE

PROCEDURE 1

Part 2

SUBMISSION MODEL

IDENTIFICATION

Project Number	(to be filled by CBSC)
Project Name	Panama Multi Beam Collection and Processing Training in Spanish
Submitting RHC/ (priority)	MACHC (as a late addition to the approved MACHC CB Plan)
Date of Submission	5 April 2015
Institution executing the project	MACHC/Panama Canal Authority/Kongsberg/CARIS
Name of responsible	Jeff Bryant, MACHC CB Coordinator
Address	UKHO, Taunton, Somerset TA1 2 DN
Telephone	+44 1823 337900 x3821
Name of responsible	Chris Hancock
Address	Lynnwood, WA & Houston, TX, USA.
Telephone	+1 425-712-1107
E-mail	chris.hancock@km.kongsberg.com
Name of responsible	Juan Caraballini
Address	415 N Alfred St, Alexandria, VA 22314
Telephone	506 458 8533
E-mail	Juan.Caraballini@caris.com

GENERAL SPECIFICATIONS

(Please provide detailed information in Annex of no more than three pages)

Background information	Because of the continued proliferation of Multi Beam Surveying equipment and requirements for more detailed seafloor mapping the need for extending training and renewing training in Multi Beam data collection and data processing expertise is needed.
Justification of the project	More and more the upgrading of survey equipment to Multi Beam collection and the processing Software is leading toward the requirements for more detailed products and delivery on a much shorter timescale than traditionally accepted. New equipment and software are fully competent to deliver the highest quality products in a new timescale. These new systems involve the latest international quality standards as well as the latest technical advances in software development, acoustics, and electronics. These systems work in concert with one another. Education and training are the basic steps needed to create a workforce that is able to utilize the systems properly. This course will provide training on the most modern equipment, software, and techniques available.
Countries involved	Panama (host). The training will be open to all countries in the MACHC Region and participants from other Latin American countries are welcome to attend.
Explanation of the problem	New equipment and Software are being released into the market constantly. The ability to stay up to date and current in these new technologies can be addressed by this type of workshop. We have coordinated and organized a starting solution to the problem of providing the training. Panama Canal Authority has offered to provide two Multi Beam equipped survey boats and classroom, Kongsberg will provide instructors and field engineers and additional equipment for an emerging technology demonstration, and CARIS is providing processing and analytical Software and instructors.
General objective	Increase the knowledge and appreciation of Multi Beam Surveying and data Processing among current and potential users.
Specific objectives	Give hands on experience in survey planning, data collection, and data processing using the most modern equipment and software available to Multi Beam users.
Outputs/Products	A newly trained group of users.
Other deliverables	Long term appreciation of surveying technology.
Achievements and awaited benefits	Continual renewing of the expertise and workforce into the surveying industry.
Schedule of activities	Course to be presented October 2015. Organizing invitations, announcements, travel arrangements to be held until availability of funding made known.
Past and/or current related projects supported by CBSC or other sources	

RESOURCES

Contribution by countries involved	Panama Canal Authority – boats, equipment, computers and training facilities
Contribution from other sources	Kongsberg – Equipment, instructors and engineers. CARIS Multi Beam Processing Software and Instructors
Contribution requested from CBFund	€29,500.00
Total Cost (euros)	€46,500.00
Breakdown of costs	Flights: 12 persons (10 participants and 2 instructors) x €800 = €9,600.00 Hotel: 12 persons x 6 nights x \$200 (dinner and breakfast included) = €14,400.00 Lunches and Coffee breaks for 22 persons for 5 days = €5,500.00
a) From CBFund (item and amount)	€29,500.00
b) From other parties (item and amount)	CARIS Instructors for 5 days €5,500.00 Kongsberg's equipment and Instructors for 5 days €10,000.00 CARIS Software for 5 days: €1,500.00

PROJECT SUMMARY

Sponsor RHC	Year of Execution	Country/Countries involved	Priority /Status	Project Name	Project Objective	Benefits	Assistance required	Cost	Allocation and Priority (to be filled by CBSC)	Contact Person
MACHC	2015	Brazil, Colombia, Cuba, Guatemala, Mexico, Venezuela, Panama, Costa Rica, El Salvador, Honduras, Nicaragua, Dominican Republic	HIGH	Panama Multi Beam Collection and Processing Training in Spanish	Increase the knowledge and appreciation of Multi Beam Surveying and data Processing among current and potential users.	More Hydrographers trained in the latest multibeam techniques for acquisition and data processing	€29,500.00	€46,500.00		

Name and Signature of the RHC Chairman



INTERNATIONAL HYDROGRAPHIC ORGANIZATION
MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION



MACHC Letter 09/2015

Date,

To: Mr. Thomas Dehling
Chair of the IHO Capacity Building Sub Committee

Subject: MACHC Capacity Building Projects

Dear Colleague,

Please find attached a belated MACH project submission for the 13th CBSC in Mexico City. I believe the project, "Panama Multi Beam Collection and Processing Training in Spanish", has considerable potential. This submission complements the earlier MACHC submissions by MACHC letter 02/2015 d.d. 26 February 2015.

Sincerely yours,

Captain RNLN Marc C. J. van der Donck
Director Netherlands Hydrographic Office
Hydrographer of the Royal Netherlands Navy
Chairman, Meso American & Caribbean Sea Hydrographic Commission

C.c. - MACH Members states and associate members
- Assistant Director Alberto Costa Neves, IHB
- Mr. Jeff Bryant, Chair MACHC CBC

Annex: Submission procedures 1 and 4: CB project "Panama Multi Beam Collection and processing Training in Spanish.



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CAPACITY BUILDING SUB-COMMITTEE

PROCEDURE 4

<p>EVALUATION PROCEDURE OF SUBMISSIONS REQUESTING SUPPORT TO THE CBSC</p>
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PROCEDURE 4 of the CBSC aims to establish an objective value for each activity proposed to request support from the SC, based on the weights defined by the CBSC. This will be used as in initial (objective) evaluation for establishing a priority list, that could be changed by the CBSC. This procedure must be followed in conjunction with Procedure 1.

Explanation:

Part 1 of this document contains the **standardized procedure** that must be followed for all proposals requesting support from the CBSC.

Part 2 of this document provides the **evaluation model** to be filled by the CBSC Secretary when receiving the application for support from the CBSC.



PART 1
STANDARDIZED PROCEDURE

All the projects requesting support from CBSC are required to follow this procedure, in conjunction with Procedure 1.

The following aspects must be evaluated in order to fill the model presented in Part 2 of this document:

1. Category of the Project (choose the one that most defines your project):
 - a) Technical Assistance
 - b) Training Education
 - c) Financial Assistance
 - d) Start Up Project
2. Phase of Capacity Building, according to the IHO Capacity Building Strategy:
 - a) Phase 1
 - b) Phase 2
 - c) Phase 3

3. Number of States Benefitted: the number of States involved in the project.

4. External Funding Factor. If there are funding from external agencies or funds, apply the rule:

$$\text{Value} = 5 \times \frac{\text{External funding value (Euros)}}{\text{CBFund value (Euros)}}$$

and consider only the integer part of the above calculation.

5. Neediness Factor, according to the *per capita* Gross Domestic Product (GDP – US\$), published by the United Nations:

<http://unstats.un.org/unsd/demographic/products/socind/inc-eco.htm>

Select the appropriate item, depending of the average value of the States involved, as:

- a) < 2000
- b) 2001 – 5000
- c) 5001 – 10,000
- d) 10,001 – 20,000
- e) 20,001 – 30,000
- f) 30,001 – 40,000
- g) > 40,001

6. **Priority within RHC.** A value to be established by the RHC, according to the following:
 - a) 1 = top priority
 - b) 2 = very important
 - c) 3 = important
 - d) 4 = lowest priorityEach RHC has to establish a balanced view of the projects, to avoid ranking all the projects as having the same priority.
7. **Potential for Success (0 to 5),** from the IHB viewpoint, is a measure on how well the project is expected to achieve its goals. From low chance (0) to higher chance (5).
8. **Discount for recent similar activities (0 to -3),** regarding the following table:
 - a) No similar activity in the past 10 years
 - b) No similar activity in the past 5 years
 - c) One similar activity in the past 5 years
 - d) More than one similar activity in the past 5 years
9. **Capacity Building Effect.** This is a subjective assessment (1 to 5) to be done by the RHCs, regarding the overall view of the projects, considering all the above factors and the general importance to the development of Hydrography in the region.



PART 2
EVALUATION MODEL

IDENTIFICATION

Project Number: _____

Project Name:	MBES Collection and Processing for Spanish Speakers
Submitting RHC:	MACHC (a late addition to the MACHC CB Plan)
Date of Submission:	May 2015
Institution executing the project:	MACHC/PCA/Kongsberg/CARIS
Name of responsible:	Jeff Bryant, MACHC CB Coordinator
Address:	UKHO, Taunton, Somerset TA1 2DN
Telephone:	+44 1823 337900 x3821
Fax:	+44 1823 284077
e-mail:	jeff.bryant@ukho.gov.uk

EVALUATION

N.	Description	Maximum	Item value	Assigned value
1.	Category of the Project			
	a) Technical Assistance	5	5	
	b) Training Education		3	3
	c) Start Up Project		3	
	d) Financial Assistance		2	
2.	Phase of Capacity Building			
	a) Phase 1	10	10	
	b) Phase 2		5	5
	c) Phase 3		1	
3.	Number of States Benefitted			
	a) 10 or more	5	5	5
	b) 5 to 9		3	
	c) less than 5		1	
4.	External Funding Factor			
	Other Contributions in cash and kind / CBFund	5	0 to 5	5
5.	Neediness Factor (UN Tables – GDP Per Capita)			
	h) < 2000	10	10	
	i) 2001 – 5000		8	
	j) 5001 – 10,000		7	
	k) 10,001 – 20,000 (Mexico is highest at \$17.4k)		6	6
	l) 20,001 – 30,000		4	
	m) 30,001 – 40,000		1	

	n) > 40,001		0	
6.	Priority within RHC			
	a) 1	5	5	
	b) 2		3	
	c) 3		1	
	d) 4		0	0
7.	Potential for Success			
	a) 5	5	5	
	b) 4		4	4
	c) 3		3	
	d) 2		2	
	e) 1		1	
	f) 0		0	
8.	Discount for recent similar activities			
	e) No similar activity in the past 10 years	0	0	0
	f) No similar activity in the past 5 years		-1	
	g) One similar activity in the past 5 years		-2	
	h) More than one similar activity in the past 5 years		-3	
9.	Capacity Building Effect			
	Subjective Assessment from the CBSC	5	0 to 5	4
	Maximum Possible Score	50		32

CBSC Secretary

CBSC Chairman