



PROJECT SUBMISSION MODEL

IDENTIFICATION

Project Number :

Project Name:	Seminar on Raising Awareness of Hydrography (for MACHC Associate and Non Members)
Submitting RHC/Country:	MACHC (as part of the approved MACHC CB Plan)
Date:	2018
Institution executing the project:	MACHC/UKHO
Name of responsible:	Jeff Bryant, MACHC CB Coordinator
Address:	UKHO, Taunton, Somerset TA1 2DN
Telephone:	+44 1823 483821
Fax:	N/A
e-mail:	jeff.bryant@ukho.gov.uk

GENERAL SPECIFICATIONS

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

Background information	An awareness of hydrography is missing in many of the Meso-American and Caribbean coastal states. This is evidenced by the lack of engagement with the RHC where few, if any, of the Associate or observer member states attend meetings unless they are sponsored.
<i>Justification of the project</i>	It is suggested that a fully-funded seminar or workshop on hydrographic awareness to precede the next meeting of MACHC would assist in the crucial task of raising awareness of the subject. It would provide a platform to get greater involvement from the Associate and non-member States.

<i>Countries involved</i>	Bahamas, Dominica, Honduras, Montserrat, St Kitts & Nevis, St Lucia, Turks & Caicos (plus four other nations yet to be determined)
Exposition of the problem	The benefits of good hydrography to support all manner of maritime activity is not well understood at the higher levels of Government in many SIDS in the MACHC region. This manifests itself in the poor attendance at the Regional Hydrographic Commission (MACHC) meetings where such benefits are promoted. The target audience for an awareness raising seminar would be Permanent Secretary (or equivalent) level from a relevant national Ministry, who would then also attend MACHC19.
General objective	To ensure that countries in the MACHC region are made aware that the provision of hydrographic services is an international obligation under treaty law affecting all Member States (MS) of the IMO and also provides

	significant national infrastructure and long-term economic benefits. The Seminar is configured to assist countries on how they take the necessary steps to meet their obligation noting that most MACHC countries are IMO MS but not IHO MS.
Specific objectives	<ul style="list-style-type: none"> • To understand the importance of nautical information • The basic activities of hydrographic offices: the IHO M-2 publication and how it relates to National Maritime Policies and Hydrographic Services • The organization of a National Hydrographic Office • The application of hydro-cartographic products and services
Outputs/Products	Participants will gain a better understanding of the regulatory framework which supports hydrography and how this can benefit a coastal state (Blue Economy etc)
Other deliverables	Participants will be encouraged to join the MACHC on an Associate Member basis until such time as they achieve full membership of the IHO
Achievements and awaited benefits	
Schedule of activities	2-day Seminar to proceed the 19 th MACHC meeting, venue to be decided

RESOURCES

Contribution by countries involved	Nil
Contribution by other parties	None
Contribution expected from CBCFund	Yes
Total Cost (euros)	€28,500
Breakdown of costs (subject to confirmation)	The contribution from the CBSC fund will cover travel and subsistence for one representative from each of the 11 countries involved. The representatives will be expected to stay on for the 19th MACHC meeting and be active participants

From CBC Fund (item and amount)	€28,500
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PROJECT SUBMISSION MODEL

IDENTIFICATION

Project Number :

Project Name:	Introduction to Tides and Water Levels Workshop for Spanish Speakers
Submitting RHC/Country:	MACHC (as part of the approved MACHC CB Plan)
Date:	2018
Institution executing the project:	US NOAA will provide the instructors. UKHO will manage the project
Name of responsible:	Jeff Bryant, MACHC CB Coordinator
Address:	UKHO, Taunton, Somerset TA1 2DN
Telephone:	+44 1823 483821
Fax:	N/A
e-mail:	jeff.bryant@ukho.gov.uk

GENERAL SPECIFICATIONS

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

Background information	As more MACHC nations develop a data collection capability an understanding of tides and water levels becomes an important factor in accurate vertical measurements
Justification of the project	Regional requirement

Countries involved	Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Honduras & Panama (PMA)
Exposition of the problem	Individual MACHC nations cannot fund appropriate staff to undertake any recognized course
General objective	To train survey operations personnel to understand tides and their impact on hydrographic surveys
Specific objectives	As above
Outputs/Products	To train a group of professionals in the basics of tide and water level theory
Other deliverables	Better and more accurate hydrographic surveys
Achievements and awaited benefits	The vertical component of hydrographic surveys will be more accurate

Schedule of activities	5 day course
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RESOURCES

Contribution by countries involved	Venue to be decided at the next MACHC meeting																																																																																				
Contribution by other parties	NOAA has offered to provide the instructors																																																																																				
Contribution expected from CBCFund	Yes																																																																																				
Total Cost (euros)	€19,285																																																																																				
Breakdown of costs	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Trainees x 7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="width: 30%;">Flights</td> <td style="width: 10%; text-align: right;">7</td> <td style="width: 10%;">persons x</td> <td style="width: 10%; text-align: right;">€ 573</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">€ 4,011</td> </tr> <tr> <td>Hotel, all meals</td> <td style="text-align: right;">7</td> <td>persons x 6 nights</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">= 42</td> <td>nights x</td> <td style="text-align: right;">€ 340</td> <td></td> <td style="text-align: right;">€ 14,280</td> </tr> <tr> <td colspan="2" style="text-align: center;">Trainers x 2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Flights</td> <td style="text-align: right;">2</td> <td>x</td> <td style="text-align: right;">€ 573</td> <td></td> <td style="text-align: right;">€ 1,146</td> </tr> <tr> <td>Hotel, all meals</td> <td style="text-align: right;">2</td> <td>persons x 6 nights</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">= 12</td> <td>nights x</td> <td style="text-align: right;">€ 340</td> <td></td> <td style="text-align: right;">€ 4,080</td> </tr> <tr> <td colspan="6"> </td> </tr> <tr> <td colspan="6">Venue materials & hire costs</td> </tr> <tr> <td colspan="4">For the week</td> <td></td> <td style="text-align: right;">€ 637</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Total</td> <td style="text-align: right;">€ 24,154</td> </tr> <tr> <td colspan="6"> </td> </tr> <tr> <td colspan="6">Please note that the figures above have been rounded up/down to the nearest Euro and were taken from a more detailed spreadsheet.</td> </tr> </table>	Trainees x 7						Flights	7	persons x	€ 573		€ 4,011	Hotel, all meals	7	persons x 6 nights					= 42	nights x	€ 340		€ 14,280	Trainers x 2						Flights	2	x	€ 573		€ 1,146	Hotel, all meals	2	persons x 6 nights					= 12	nights x	€ 340		€ 4,080	 						Venue materials & hire costs						For the week					€ 637					Total	€ 24,154	 						Please note that the figures above have been rounded up/down to the nearest Euro and were taken from a more detailed spreadsheet.					
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PROJECT SUBMISSION MODEL

IDENTIFICATION

Project Number :

Project Name:	MBES Processing (5 days)
Submitting RHC/Country:	MACHC (as part of the approved MACHC CB Plan)
Date:	2018
Institution executing the project:	UKHO organizing
Name of responsible:	Jeff Bryant, MACHC CB Coordinator
Address:	UKHO, Taunton, Somerset TA1 2DN
Telephone:	+44 1823 337900 x 3821
Fax:	+44 1823 284077
e-mail:	jeff.bryant@ukho.gov.uk

GENERAL SPECIFICATIONS

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

Background information	The proliferation of MBES systems has brought new challenges to hydrographic offices with the massive increase in data and the use of specially designed software applications to process the data
Justification of the project	Hydrographic survey data needs to be properly manipulated and managed before it is data based and used in chart products. It is essential that this process is understood and delivered correctly

Countries involved	As this is a Phase 2 activity only IHO Member States will be invited to participate:- Brazil, Colombia, Cuba, Guatemala, Mexico, Suriname and Venezuela (augmented by at least one nation from the adjoining SEPHC and SWAtHC's)
Exposition of the problem	As above
General objective	The course programme aims to provide the delegates with an understanding of the whole data gathering process using a MBES with particular focus on the post processing element
Specific objectives	To train a group of hydrographic surveyors the techniques required to post process MBES data
Outputs/Products	Delivery of a MBES Processing course (5 days)
Other deliverables	Nil
Achievements and awaited benefits	Improved knowledge of the processing element of MBES data and greater confidence in its use

Schedule of activities	
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RESOURCES

Contribution by countries involved																																																																															
Contribution by other parties	UKHO will provide x1 training staff and all training materials at no cost (except travel and subsistence)																																																																														
Contribution expected from CBCFund	€ 21,367																																																																														
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Breakdown of costs	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="6" style="text-align: center;">Trainees x 8</td> </tr> <tr> <td style="width: 30%;">Flights</td> <td style="width: 10%; text-align: right;">8</td> <td style="width: 10%;">persons x</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">€ 573</td> <td style="width: 10%; text-align: right;">€ 4,584</td> </tr> <tr> <td>Hotel, all meals</td> <td style="text-align: right;">8</td> <td>persons x</td> <td>6 nights</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">= 48</td> <td>nights x</td> <td></td> <td style="text-align: right;">€ 250</td> <td style="text-align: right;">€ 12,000</td> </tr> <tr> <td colspan="6" style="text-align: center;">Trainers x 2</td> </tr> <tr> <td>Flights</td> <td style="text-align: right;">2</td> <td>x</td> <td></td> <td style="text-align: right;">€ 573</td> <td style="text-align: right;">€ 1,146</td> </tr> <tr> <td>Hotel, all meals</td> <td style="text-align: right;">2</td> <td>persons x</td> <td>6 nights</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">= 12</td> <td>nights x</td> <td></td> <td style="text-align: right;">€ 250</td> <td style="text-align: right;">€ 3,000</td> </tr> <tr> <td colspan="6"> </td> </tr> <tr> <td colspan="6">Venue materials & hire costs</td> </tr> <tr> <td>For the week</td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">€ 637</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right;">Total</td> <td></td> <td style="text-align: right;">€ 21,367</td> </tr> <tr> <td colspan="6" style="padding-top: 10px;">Please note that the figures above have been rounded up/down to the nearest Euro and were taken from a more detailed spreadsheet.</td> </tr> </table>	Trainees x 8						Flights	8	persons x		€ 573	€ 4,584	Hotel, all meals	8	persons x	6 nights				= 48	nights x		€ 250	€ 12,000	Trainers x 2						Flights	2	x		€ 573	€ 1,146	Hotel, all meals	2	persons x	6 nights				= 12	nights x		€ 250	€ 3,000	 						Venue materials & hire costs						For the week					€ 637				Total		€ 21,367	Please note that the figures above have been rounded up/down to the nearest Euro and were taken from a more detailed spreadsheet.					
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PROJECT SUMMARY SHEET and MACHC Prioritization 2017

Sponsor RHC	Year of Execution	Country/ Countries involved	Priority/ Status	Project Name (Reference)	Project Objective	Benefits	Assistance required	Cost (Euro)	Allocation and Priority (to be filled by CBC)	Contact Person
MACHC	2018	Bahamas, Dominica, Honduras, Montserrat, St Kitts & Nevis, St Lucia, Turks & Caicos (plus four other nations yet to be determined)	Priority 1	Seminar on Raising Awareness of Hydrography (for MACHC Associate and Non Members)	To ensure that countries in the MACHC region are made aware that the provision of hydrographic services is an international obligation under treaty law affecting all Member States (MS) of the IMO and also provides significant national infrastructure and long-term economic benefits. The Seminar is configured to assist countries on how they take the necessary steps to meet their obligation noting that most MACHC countries are IMO MS but not IHO MS	Participants will gain a better understanding of the regulatory framework which supports hydrography and how this can benefit a coastal state (Blue Economy etc)	The contribution from the CBSC fund will cover travel and subsistence for one representative from each of the 11 countries involved. The representatives will be expected to stay on for the 19th MACHC meeting and be active participants	€28,500		Jeff Bryant (MACHC CB Coordinator)

MACHC	2018	Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Honduras & Panama (PMA)	Priority 2	Tides & Water Levels Workshop for Spanish Speakers	To train survey operations personnel to understand tides and their impact on hydrographic surveys	The vertical component of hydrographic surveys will be more accurate	Fund Travel & subsistence for up to 7 students, together with x2 trainers	€24,154		Jeff Bryant (MACHC CB Coordinator)
MACHC	2018	Brazil, Colombia, Cuba, Guatemala, Mexico, Suriname and Venezuela (augmented by at least one nation from the adjoining SEPHC and SWAtHC's)	Priority 3	MBES Processing Course	To train a group of hydrographic surveyors the techniques required to post process MBES data	Improved knowledge of the processing element of MBES data and greater confidence in its use	Fund Travel & subsistence for up to 9 students, together with x1 UKHO trainer	€21,367		Jeff Bryant (MACHC CB Coordinator)