



## CAPACITY BUILDING SUB-COMMITTEE

### PROCEDURE 1 Part 2

### SUBMISSION MODEL

#### IDENTIFICATION

<b>Project Number</b>	
<b>Project Name</b>	GNSS For Tide Correction Course (5 days -2017)
<b>Submitting RHC/ (priority)</b>	EAHC
<b>Date of Submission</b>	10th May 2016
<b>Institution executing the project</b>	EAHC
<b>Name of responsible</b>	Rear Admiral Zaa'im HASAN
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#### GENERAL SPECIFICATIONS

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

<b>Background information</b>	As GPS technologies and procedures have improved, hydrographers have come to realize the full benefits of new GNSS measurement methods, such as real time kinematic GPS (RTK GPS), in providing accurate, high frequency vertical positioning solutions for inshore hydrographic surveys. This has reduced the requirement for the hydrographer to base their vertical solutions on the measurement and collection of raw tidal data, which, when coupled with predictions for propagated amplitude and phase in coastal regions, would become the uneven datum upon which they would measure their soundings.
<b>Justification of the project</b>	With the rapid change and development of hydrographic and oceanographic data acquisition technologies, hydrographic offices need to cope up with concurrent technologies.
<b>Countries involved</b>	EAHC
<b>Explanation of the problem</b>	The application of the new technologies in especially for shallow waters is effective.
<b>General objective</b>	To learn the basic knowledge on the use of GNSS for tide correction.

<b>Specific objectives</b>	For HOs to understand the technology, its strengths, limits and error budgets. To assess if the technology can be used to complement in-situ acoustic surveys for nautical charting.
<b>Outputs/Products</b>	Knowledge in using GNSS for tide correction.
<b>Other deliverables</b>	The training courses allow MS to network share and widen their knowledge in the respective work processes.
<b>Achievements and awaited benefits</b>	MS will improve their capacities in multibeam surveying and satellite derived bathymetry
<b>Schedule of activities</b>	
<b>Past and/or current related projects supported by CBSC or other sources</b>	None

## **RESOURCES**

Contribution by countries involved	Course expertise		
Contribution from other sources			
Contribution requested from CBFund	Sponsorship for accommodation, air ticket, and food costs		
Total Cost (euros)	23,040 Euros (for 2017)		
Breakdown of costs			
a) From CBFund (item and amount)			
Item	Cost per Person(Euros)	No. of Persons	Total(Euros)
Accommodation - 120 Euros / day / person - 6 days (5 days training + 1 day arrival) - 13 persons(11 trainees+2 lecturers)	720	13	9,360
Return flights - 850 Euros/person - 13 persons(11 trainees+2 lecturers)	850	13	11,050
Course Fees – training software, rental of hardware, training notes, lecturer costs, etc.	2630	1	2,630
Total			23,040
b) From other parties (item and amount)			
Host MS would provide administrative support and logistics arrangements.			