

**INTERNATIONAL HYDROGRAPHIC ORGANIZATION  
CAPACITY BUILDING SUB – COMMITTEE**



**EAHC – THE USE OF GNSS FOR  
TIDE CORRECTION FOR SURVEY COURSE**

**- REPORT -**

**Jakarta, July 2018**

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## INTERNATIONAL HYDROGRAPHIC ORGANIZATION CAPACITY BUILDING SUB – COMMITTEE

### PROJECT DETAIL

Project Name:	The Use of GNSS for Tide Correction for Survey Course
Project Leader:	Captain. Yanuar Handwiono
Project Leader Email/telephone:	<a href="mailto:infohid@dishidros.go.id">infohid@dishidros.go.id</a> ; <a href="mailto:handwionoy@gmail.com">handwionoy@gmail.com</a> +62 816 860 795
Contact Officer:	Commander Oke D Pribadi and LtC. Andri Novianto
Contact Officer's email/telephone:	<a href="mailto:infohid@dishidros.com">infohid@dishidros.com</a> +62 812 820 765 45 and +62 8787 512 0694
Organizing Institution/address	The Indonesian Navy, Hydrography and Oceanography Center (Pushidrosal) / Jalan Pantai Kuta V no. 1 Ancol Timur Jakarta Indonesia
Organizing Institution Bank Detail	Name of Bank : Mandiri Bank Address : KCP JKT Ancol Account Number : 120 – 00 – 108 7099 – 1 Name of account holder : Bendaharawan Pushidrosal Swift Code : BMRIIDJA
Project Commencement date:	09 July 2018
Project Completion date:	13 July 2018
Venue:	Mercure Ancol Hotel, Jakarta Indonesia
Instructors:	Dr.Rer. nat. Poerbandono, S.T, M.M (Institute of Technology Bandung, (ITB), Indonesia); Dr. Ir. John I Pariwono (Institute of Agricultural Bogor, (IPB), Indonesia); Dr. Parluhutan Manurung (Geospatial Information Agency (BIG) Indonesia.); Wahyu A. Wibowo (EIVA Indonesia); Jacob Van Oostrom (R2 Sonic, Singapore); Yanuar Handwiono, S.H., M.Tr (Han) (Director of Security Cooperation and Maritime Boundary, Hydrography And Oceanography Centre);
Numbers of Participants/Countries:	18 participants/ 10 Countries
Cost:	€ 16.760

### 1. REFERENCE

- a. EAHC Circular Letter No. 4/2018 20 April 2018 about Invitation to EAHC Training in Use GNSS for Tide Correction for Survey.

## **2. OBJECTIVES**

The aim of the course is to develop perspective among the participants in the fundamental issues of hydrographic aspects for using GNSS data for correction hydrographic data survey. The development of such a perspective will be facilitated by overviews, lectures, hands-on, and discussions on the fundamental concept and relevant aspects of using GNSS data. Initially this activity was begun based on EAHC organization cooperation, where Indonesia become one of the member states, and as member states contribution in enhancing capacity and capability in the East Asia regional charting community and south pacific countries.

## **3. VENUE, DATES AND PARTICIPANTS**

The course was held in Mercure Ancol Hotel, Jakarta Indonesia from 09 – 13 July 2018, in Pulau Seribu room. Total participants were 18, consists of all representative from EAHC member states (5 Indonesian/Pushidrosal). There were 7 instructors (2 from Singapore and 5 from Indonesia). All EAHC member states have participated by sending delegations, except Democratic People's Republic of Korea. List of participants and instructors are attached on **ANNEX 1**.

The accommodation, airfare ticket and meals were provided for 7 instructors and 10 participants who were funded by CBSC/IHB. Additional participants consists of Pushidrosal (4 participants), 1 additional participant from Brunei, 1 participant from Republic of Korea and 2 participants from Hong Kong were covered by their government.

## **4. COURSE CONTENT**

The training course was opened by Indonesia Chief Hydrographer, Real Admiral Dr. Harjo Susmoro. As part of IHO capacity building program, he said that Pushidrosal as a national hydrographic institution and a member states of EAHC and through course conducted by Pushidrosal, is expected to produce another alternative use of GNSS data for vertical control of marine surveys or as tidal correction so as to speed up the processing of bathymetry survey data without the need to carry out tidal measurements on shore .

. The instructors had shared extensive experiences on the role of hydrographic surveyors on tidal corrections. With the multiple centuries of reputation in charting the earth's seafloor and relevant objects for safe navigation, hydrography shall be able to contribute to the provision of fundamental information from the sea and coastal areas. Providing high quality information of dynamics and setting of the sea and coastal areas is vital in the tidal correction. In addition to accurate and high-resolution bathymetric information in the navigable area, the inquiry for tidal corrections would include introduction to Global Navigational System Satellite (GNSS), theory of tides and tidal characteristics, height system and hydrographic datum, regional oceanography and sea surface behavior, and sea level monitoring, which demand specific knowledge and skill from the hydrographers.

The course days delivered technical aspect of GNSS method for tidal correction. Causes, mechanisms, and impacts of tide and tidal correction; engineering aspect and elaborate hydrographic aspect relevant to using of GNSS for tide correction for survey were presented during lecturing. Course activities are closed by Director of Security; Cooperation and Maritime Boundary Pushidrosal, Captain Yanuar Handwiono, which stated in his speech that the course activities carried out are expected to be the provision of the course participants to be applied in their respective countries.

Apart from class activities, on Tuesday (10 July 2018) night, organizing committee provided city tour programs by visiting historical area in the North Jakarta "Kota Tua", art market and Indonesian food and fruits gallery.

## **5. SYLLABUS OF PROGRAMME**

Syllabus of programme is attached on **ANNEX 2**.

## **6. FINANCE REPORT**

As per previous submission to IHB, most expenditures were charged to CBSC/IHB in amount of 16.760 Euro and the other expenses which not covered by IHB were Pushidrosal responsibility. The finance report to IHB shows only the detailed expenses of that 16.918 Euro subject to reimbursement by CBSC/IHO.

The airline tickets of participants and instructors had been reimbursed by Pushidrosal on their arrivals in Jakarta. Invoices and receipts are attached on **ANNEX 3**. The other expenses which will be submitted are accommodation fee for

16 person (9 participants and 7 instructors); 7 instructors allowances. Accommodations were included hotel room, meal and full board meeting package (lunch and dinner). Remaining participants and other expenditures were funded by Pushidrosal. Highlighted participants who were sponsored by CBSC/IHB are attached on **ANNEX 3**.

## **7. TRAINING EVALUATION BY QUESTIONNAIRE**

Training evaluation was conducted at the end of the course by delivering questionnaire to get feedbacks from participants on some matters including: course contents, course domestic, trainers, and personal outcome. The evaluation would become our input; hence improvements are able to be made in the future.

## **8. CONCLUSION**

The training course had been done successfully and every session was delivered by the instructors interestingly. During the course, most of the participants engages in the class discussion actively. Some participants opined that the duration of the training needs to be extended to get all the materials to be understood clearly and need more practical in the field.

However, most of the participants have sufficient knowledge to be developed further, in support their hydrographic office or agency in using of GNSS for tide correction for survey, based on the spirit of friendship in the region especially between East Asia Countries. Photo of the events and copy of certificate are attached on **ANNEX 4** and **ANNEX 5**.

Signature :

**Name : Captain Yanuar Handwiono**

**EAHC- TRAINING IN THE USE OF GNSS FOR TIDE CORRECTION FOR SURVEY**

**JAKARTA 9-13 JULI 2018**

**LIST OF PARTICIPANT**

<b>No</b>	<b>Name</b>	<b>Country</b>	<b>Agency</b>
<b>1</b>	Haji Asrahwi Bin Haji Ahmad Bujang	Brunei Darussalam	Survey Department, Brunei Darussalam
<b>2</b>	Haji Zool Hilmi Bin HjMatahir	Brunei Darussalam	Survey Department, Brunei Darussalam
<b>3</b>	Lingzhi Wu	China	Tianjin Hydrographic Center
<b>4</b>	Chun-Fai Ha	Hongkong	Hong Kong Hydrographic Office
<b>5</b>	Kai-wing Lam	Hongkong	Hong Kong Hydrographic Office
<b>6</b>	Purry Djati Anggara	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center
<b>7</b>	Tri Aji	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center
<b>8</b>	Satrio Tegas W.	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center
<b>9</b>	Edityo Dwi Kurniawan	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center
<b>10</b>	Nadia Zahrina Wulansari	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center
<b>11</b>	Tomoki Kawakami	Japan	Japan Coast Guard
<b>12</b>	Juyong Choi	Korea	Korea Hydrographic and Oceanographic Agency
<b>13</b>	Wonju Choi	Korea	Korea Hydrographic and Oceanographic Agency
<b>14</b>	Mohammad Nizam Bin Azha	Malaysia	Royal Malaysian Navy
<b>15</b>	Marlon Estropia	Philiphine	National Mapping and Resource Information Authority
<b>16</b>	See Kok Meng Ryan	Singapore	Maritime and Port Authority of Singapore

<b>17</b>	Aree Hwanlabeh	Thailand	Royal Thai Navy
<b>18</b>	Nguyen The Long	Vietnam	Vietnam Maritime University

### LIST OF INSTRUCTOR

<b>No</b>	<b>Name</b>	<b>Country</b>	<b>Agency</b>
<b>1</b>	Dr. Poerbandono	Indonesia	Bandung Institut of Technology
<b>2</b>	Dr. John I. Pariwono	Indonesia	Bogor Institut of Agriculture
<b>3</b>	Dr. Parluhutan Manurung	Indonesia	Geospatial Information Agency
<b>4</b>	Wahyu A. Wibowo, MT	Indonesia	PT. Geotronix Pratama Indonesia
<b>5</b>	Jacob Van Oostrom	Singapore	R2 Sonic
<b>6</b>	Guido Peerdeman	Singapore	R2 Sonic
<b>7</b>	Yanuar Handwiono, S.H., M.Tr (Han)	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center



**SCHEDULE OF TRAINING IN THE USE OF GNSS  
FOR TIDE CORRECTION FOR SURVEY  
Jakarta, 9- 13 Juli 2018**

**Draft Syllabus / Programme**

Day 1 (Monday)			
TIME	SUBJECT	PERSON IN CHARGE	REMARK
08.00 – 08.30	Registration	Host	Dress Code: Suit
08.30 – 08.35	Opening and Welcoming		
08.35 – 08.50	Opening Remark : Indonesian Chief Hydrographer	R.Adm. Harjo Susmoro	
08.50 – 09.00	Photo Session		
09.00 – 10.00	Introduction to GNSS Method	Dr. Poerbandono	Lecturer from ITB
10.00 – 10.30	Coffee Break		
10.30 – 12.00	Height System and Hydrographic Datum	Dr. Poerbandono	Lecturer from ITB
12.00 – 13.00	Break for Lunch		
13.00 – 15.00	Regional Oceanography and Sea Surface Behavior	Dr. Ir. John I Pariwono	Lecturer from IPB
15.00 – 15.30	Tea Break		
15.30 – 16.30	Theory of Tide and Tidal Characteristics	Dr. Ir. John I Pariwono	Lecturer from IPB
19.00 – 21.00	Welcome Dinner	Host	Pushidrosal

Day 2 (Tuesday)			
TIME	SUBJECT	PERSON IN CHARGE	REMARK
08.30 – 10.00	Sea Level Monitoring	Dr. Parluhutan Manurung	BIG Researcher
10.00 – 10.30	Coffee Break		
10.30 – 12.00	Tidal Observation and Modeling	Dr. Parluhutan Manurung	BIG Researcher
12.00 – 13.00	Break for Lunch		

13.00 – 15.00	Hydrographic Survey Hardware and Software	Wahyu A. Wibowo	Lecturer from EIVA
15.00 – 15.30	Tea Break		
15.30 – 16.30	Hydrographic Survey Hardware and Software	Jacob van Oostrom / Guido Peerdeman	Lecturer from R2 Sonic, USA

Day 3 (Wednesday)			
TIME	SUBJECT	PERSON IN CHARGE	REMARK
09.00 – 16.00	Field Practice	Captain Yanuar	At Survey Vessel

Day 4 (Thursday)			
TIME	SUBJECT	PERSON IN CHARGE	REMARK
09.00 – 10.00	Data Processing	OC	At Class
10.00 – 10.30	Coffee Break		
10.30 – 12.00	Data Processing	OC	At Class
12.00 – 13.00	Break For Lunch		
13.00 – 15.00	Review of Data Processing	Dr. Poerbandono / Wahyu A. Wibowo / Jacob van Oostrom / Guido Peerdeman	ITB / EIVA / R2 Sonic
15.00 – 15.30	Tea Break		
15.30 – 16.30	Review of Data Processing	Dr. Poerbandono / Wahyu A. Wibowo / Jacob van Oostrom / Guido Peerdeman	ITB / EIVA / R2 Sonic

Day 5 (Friday)			
TIME	SUBJECT	PERSON IN CHARGE	REMARK
08.00 – 10.00	Evaluation and Sum-Up: Ellipsoidally Referenced / GNSS-Tide Hydrographic Survey	Dr. Poerbandono	Lecturer from ITB
10.00 – 10.30	Coffee Break		

10.30 – 12.00	Ellipsoidally Referenced / GNSS-Tide Hydrographic Survey: Discussion/hand on	OC	
12:00 - 13:30	Break for Lunch		
13.30 - 14.00	Training Evaluation	Dr. Poerbandono	All Instructors
14.00 - 15.00	Certificate Distribution		
15.00 - 16.00	Closing Ceremony		
<b>END OF THE DAY</b>			

**PROJECT FINANCE REPORT  
JOURNAL**

NO	DESCRIPTION	QTY	DAY	RATE	VALUE	BALANCE
	<b>MERCURE HOTEL</b>					
1	Dr. Rer. Nan. Poerbandono, S.T., M.T.	1	6	IDR 1,550,000.00	IDR 9,300,000.00	
2	Dr. Ir. John I Parwono	1	2	IDR 1,550,000.00	IDR 3,100,000.00	
3	Jacob Van Oostrom	1	3	IDR 1,550,000.00	IDR 4,650,000.00	
4	Dr. Parluhutan Manurung	1	1	IDR 1,550,000.00	IDR 1,550,000.00	
5	Guido Peederman	1	3	IDR 1,550,000.00	IDR 4,650,000.00	
	<b>PARTICIPANT</b>					IDR 23,250,000.00
6	Training Participant	9	6	IDR 1,550,000.00	IDR 83,700,000.00	IDR 106,950,000.00
	<b>FLIGHT</b>					
7	Flight Reimbushment	18			IDR 85,250,000.00	IDR 192,200,000.00
8	Full Board Meeting	20	6	IDR 570,000.00	IDR 68,400,000.00	IDR 260,600,000.00
	<b>INSTRUCTORS FEE</b>					
9	Dr. Rer. Nan. Poerbandono, S.T., M.T.	1	3	IDR 1,800,000.00	IDR 5,400,000.00	
10	Dr. Ir. John I Parwono	1	1	IDR 1,800,000.00	IDR 1,800,000.00	
11	Jacob Van Oostrom	1	2	IDR 1,800,000.00	IDR 3,600,000.00	
12	Dr. Parluhutan Manurung	1	1	IDR 1,800,000.00	IDR 1,800,000.00	
13	Guido Peederman	1	2	IDR 1,800,000.00	IDR 3,600,000.00	
14	Wahyu A. Wibowo	1	3	IDR 1,800,000.00	IDR 5,400,000.00	
15	Yanuar Handwiono	1	2	IDR 1,800,000.00	IDR 3,600,000.00	
	<b>SUBTOTAL</b>					<b>IDR 285,800,000.00</b>
	<b>EURO</b>					<b>€ 16,918.82</b>

Note :  
€ 1 = IDR 16,892.43

## FLIGHT &amp; BUS

No	PARTICIPANT	IDR	€
FLIGHT			
1	Japan	IDR 23,150,000.00	€ 1,322.48
2	Thailand	IDR 6,350,000.00	€ 362.75
3	Korsel	IDR 16,550,000.00	€ 945.45
4	Philippina	IDR 6,800,000.00	€ 388.46
5	Brunei	IDR 4,150,000.00	€ 237.08
6	Singapura	IDR 5,050,000.00	€ 288.49
7	Vietnam	IDR 7,800,000.00	€ 445.59
8	Malaysia	IDR 2,450,000.00	€ 139.96
9	China	IDR 7,950,000.00	€ 454.16
	Sub TOTAL	IDR 80,250,000.00	€ 4,584.41
AIRPORT SHUTTEL BUS			
1	PO. Blue Bird	IDR 5,000,000.00	€ 285.63
	<b>TOTAL</b>	<b>IDR 85,250,000.00</b>	<b>€ 4,870.04</b>

Jakarta, Juli 2018  
Dirpamkersamta  
Selaku

Ketua Penyelenggara,



Yanuar Handwiono  
Kolonel Laut (E) NRP 9306/P



## Electronic Ticket Receipt

**Booking Reference: L2BMOK**

At check-in, you must show a photo ID.

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INTERNET BOOKING  
WWW.FLYROYALBRUNEI.COM  
BRUNEI DARUSSALAM  
Telephone: +673-2212222

### Passenger

Haji Ahmad Bujang Haji Asrahwi Mr  
(24SEP71)

### Ticket number

672 2422393600

## Itinerary

From	To	Flight	Class	Date	Departure	Arrival	Resa (1)	NVB(2)	NVA(3)	Last check-in	Baggage (4)	Seat
BANDAR SERI BEG BRUNEI INTL	JAKARTA SOEKARNO HATTA INTL Terminal 2	BI0735	V	08 Jul	11:00	12:20	Ok				30K	
<b>Operated by</b>		ROYAL BRUNEI		<b>Fare Basis</b>		VRTRS		<b>Marketed by</b>		ROYAL BRUNEI		
JAKARTA SOEKARNO HATTA INTL Terminal 2	BANDAR SERI BEG BRUNEI INTL	BI0738	O	14 Jul	06:15	09:35	Ok				30K	
<b>Operated by</b>		ROYAL BRUNEI		<b>Fare Basis</b>		ORTRS		<b>Marketed by</b>		ROYAL BRUNEI		

(1) Ok = confirmed (2) NVB = Not valid before (3) NVA = Not valid after (4) Each passenger can check in a specific amount of baggage at no extra cost as indicated above in the column baggage. Each piece of baggage may not exceed 32 kilos

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- Check carry-on and checked baggage allowances via [www.flyroyalbrunei.com/check-in](http://www.flyroyalbrunei.com/check-in)



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#### Flying with us

- Ensure you have all the necessary documentation for travel and take note of your departure time.
- Allow sufficient time to get through check-in, immigration and security clearance so that you arrive at the boarding gate on time.

## Receipt

Name : Haji Ahmad Bujang Haji Asrahwi Mr (24SEP71)  
 Ticket number : 672 2422393600  
 Form of payment : MS : 392 : BND0  
 Fare : BND 365  
 Taxes : BND 12 BN BND 15 D5  
 Total Amount ✓ : BND 392  
 Issuing Airline and date : ROYAL BRUNEI 24Jun18 IATA : 04392150  
 Restriction(s)/Endorsements : Nonend/Nonrte/Vld Bi Only  
 Fare Calculation : BWN BI JKT142.12BI BWN130.90NUC273.02END ROE1.336861

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ITINERARY RECEIPT OF E-TICKET  
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旅客姓名 NAME OF PASSENGER: MU/LINSHI

有效身份证件号码 ID NO: PE1560857

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MU/LINSHI

PE1560857

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自 FROM	至 TO	承运人 CARRIER	航班号 FLIGHT	座位等级 CLASS	日期 DATE	时间 TIME	客票段别/客票类别 FARE BASIS	客票生效日期 NOT VALID BEFORE	有效截止日期 NOT VALID AFTER	免费行李 ALLOW
北京	北京	国航	C4977	T	2018-07-08	16:15	TRIM A	08AUG	1PC	
北京	北京	国航	C4978	T	2018-07-14	00:15	TRIM A	08AUG	1PC	
电子客票号码 E-TICKET NO: BJS177		票种 CNY		航班日期和舱位等级		客票有效期		保险		
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## ITINERARY

23MAY18

<NAME>  
KAWAKAMI/TOMOKI MR

<FLIGHT>						
DATE/TIME		CITY/AIRPORT	FLIGHT	STATUS	FLTTIME	NOTE
08JUL (SUN)	10:15	TOKYO/HANEDA	NH855	OK	07:40	1
	15:55	JAKARTA/CGK				2
13JUL (FRI)	21:25	JAKARTA/CGK	NH856	OK	07:25	2
14JUL (SAT)	06:50	TOKYO/HANEDA				1

NH : ALL NIPPON AIRWAYS

## &lt;ESTIMATE&gt;

AIR-FARE (Economy Class)	JPY 162,000.-
HANEDA AIRPORT TAX	JPY 2,570.-
OVERSEAS AIRPORT TAX	JPY 1,200.-
AIRLINE SURCHARGE	JPY 12,200.-

TOTAL AMOUNT	JPY 177,970.-
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Masamitsu KOBAYASHI  
**SCIENCE TOUR CO., LTD.**  
 Saeki Bldg. 7F, 1-18-15, Shimbashi,  
 Minato-ku, Tokyo, 105-0004 Japan  
 Tel : 03-3593-1122 Fax : 03-3593-1125

By 130 117



**항공권 운임정보** Ticket Fare Information

운임 계산 Fare Calculation PUS KE SEL68.35KE JKT316.90KE SEL316.90KE PUS68.35NUC770.50END ROE1078.146000

운임 Fare Amount	KRW 830,800 (Paid Amount KRW 830,800)	구매일자 Ticket Issue Date	14JUN18
지불통화 Equivalent Fare Amount	-	구매장소 Ticket Issue Place	17390973
세금 Taxes	KRW 54,800	지불 수단 Form of Payment	INV*GTR*GR18-0614*JCNR002 CC UP*****0082/****
유류할증료 Fuel Surcharge	KRW 61,600	연결 항공권 Companion Ticket No.	-
부가 서비스료 Service Fees	-	최초 발행 항공권 Original Ticket Number	-
합계 Total Amount	KRW 947,200 (Paid Amount KRW 947,200)	교환 항공권 Exchanged Ticket Number	-

- \* 세금 Taxes KRW 28000BP 9000DA 17800D5
- \* 한국 출발 세금(BP)에는 국제여객공항이용료(인천/김포공항 17,000원, 기타 12,000원), 출국납부금 10,000원, 국제질병퇴치기금 1,000원이 포함되어 있습니다.
- \* 유류할증료 Fuel Surcharge KRW 61600YR

**수하물 규정 안내** Baggage Information

대한항공의 국제선 무료 위탁 수하물 허용량 안내

구분	개수	무게(개당)	사이즈 (가로+세로+높이)
일등석	3	32kg (70lb)	3면의 합이 158cm (62in) 이하
프레스티지석	2	32kg (70lb)	
일반석	1	23kg (50lb)	
	2 (* 미주 출도착)	23kg (50lb)	
	2 (* 단, 브라질 출도착)	32kg (70lb)	

- \* 국제선 유소아 무료 수하물 허용량
  - 소아 : 성인과 동일+젖이식 유모차 1개+카시트(또는 요람) 1개
  - 유아 : 10kg(22lb) 이하이며 3면의 합이 115cm(45in) 이내인 수하물 1개+젖이식 유모차 1개+카시트(또는 요람) 1개
- \* 개수/무게/사이즈 초과에 부과되는 요금은 수하물 각각에 부과됩니다.
- \* 항공사의 무료 위탁 수하물 허용량 및 초과 수하물 요금은 해당 항공사 홈페이지 통해서 확인 가능합니다.
- \* 타 항공사와 연결 시 적용 기준에 따라 타 항공사 규정이 적용 될 수 있습니다.
- \* 일부 항공사 (공동운항권 포함)에서는 탑승수속 시 해당 항공사 정책에 따라 무료 수하물 허용량과는 별도로, 위탁 수하물에 대한 Handling Fee (수하물 취급수수료)를 징수하는 경우가 있으니, 자세한 사항은 해당 항공사로 확인하시기 바랍니다.



## Travel Itinerary

Booking number: **KTM56H**

Booking date: 28 Jun 2018



### FLIGHT DETAILS



#### Flight 1: Kuala Lumpur → Jakarta

<b>AK 353</b> <b>Low Fare</b>	<b>Kuala Lumpur (KUL)</b> Kuala Lumpur International Airport 2 (klia2) Sun 08 Jul 2018 1950 hrs (7:50PM)		<b>Jakarta (CGK)</b> Soekarno Hatta International Airport Sun 08 Jul 2018 2045 hrs (8:45PM)

#### Flight 2: Jakarta → Kuala Lumpur

<b>QZ 206</b> <b>Low Fare</b>	<b>Jakarta (CGK)</b> Soekarno Hatta International Airport Fri 13 Jul 2018 1825 hrs (6:25PM)		<b>Kuala Lumpur (KUL)</b> Kuala Lumpur International Airport 2 (klia2) Fri 13 Jul 2018 2135 hrs (9:35PM)

All times shown are local

Kindly note that all international flights departing or arriving in Jakarta (CGK) will operate from Terminal 3 while all domestic flights will operate from Terminal 2.

#### Required Documents

Guests are responsible for obtaining all entry and exit, health, visas and other travel documents required by law, regulations, order, demands or requirements of the countries flown from, into or over. We reserve the right to refuse carriage to any guest who has not complied to such applicable laws, regulations, orders, demands or requirements.

## PAYMENT DETAILS

**Contact person:** Mohammad Nizam Azhan

**Email:** smartnizam@gmail.com



Flight		Payment date	
1x Guest	384.70 MYR	<b>Date</b>	Thu, 28 Jun 2018 (UTC)
kliA2 fee	3.00 MYR	<b>Type</b>	Master Card
Passenger Service Charge	106.00 MYR	<b>Amount</b>	686.70 MYR
RSC	1.00 MYR		
<b>Subtotal</b>	<b>494.70 MYR</b>		
<b>Add-ons &amp; Fees</b>			
2x Seat add-on	72.80 MYR		
1x Processing Fee	16.00 MYR		
2x Checked baggage 20kg	90.00 MYR		
2x Value Pack Insurance (except DJ flights)	6.00 MYR		
2x Non-vegetarian Value Pack meal	20.00 MYR		
Value Pack Discount	-12.80 MYR		
<b>Subtotal</b>	<b>192.00 MYR</b>		
<b>Total amount</b>	<b>686.70 MYR</b>		
<b>Total paid</b>	<b>686.70 MYR</b>		
Balance	0.00 MYR		

**AirAsia Berhad**, RedQ, Jalan Pekeliling 5, Lapangan Terbang Antarabangsa Kuala Lumpur (KLIA2) 64000 KLIA, Selangor Darul Ehsan Malaysia

GST Registration Number: 001062207488

Payment is Goods and Services Tax (GST) inclusive for Malaysia domestic flights from 1st April, 2015.

This receipt is NOT a tax invoice. Please refer to [taxinvoice.airasia.com](http://taxinvoice.airasia.com) for your tax invoice.

7/5/2018

Booking Confirmation



## Itinerary Confirmation

Your itinerary has been booked. Itinerary details are considered final upon confirmation of payment. Changes are subject to fare condition and penalties may apply.

Confirmation Number: **QGLSDZ**

### Passengers

**MR MARLON ESTROPIA** Flight **CGK-MNL**  
 Ticket Number 0792178405637  
 Seat \*

\* You may not pre-reserve a seat at this time. Please obtain your seat assignment at the airport upon check-in.

### Air Itinerary Details

**Jakarta (CGK)** **Manila (MNL)** **PR0536** Economy Value  
 Sat, Jul 14, 00:45 Sat, Jul 14, 05:40 Philippine Airlines Non stop  
 Terminal: TERMINAL 2 Terminal: TERMINAL 2

### Fare Breakdown

Passenger Type	Air Transportation Charges per person	Taxes, Fees and Charges per person	Total Fare per person	Number of passengers	Total Fare
Adult (12+)	IDR 3,269,000	IDR 150,000	IDR 3,419,000	x 1	<b>IDR 3,419,000</b>

Total price(s) displayed INCLUDES ALL TAXES except Philippine Travel Tax, other charges and fees that are collected at the airport. Passengers who are required to pay the Philippine Travel Tax MUST proceed to the **TIEZA** counter at the airport before checking-in.

#### Important Information:

- Free baggage allowance may not apply to connecting flights and excess baggage fees may apply.
- Carry-on baggage allowance is one piece not exceeding 15 lbs. (7 kg.) with total dimension (height+width+length) not exceeding 45 in. (115 cm.)
- Passenger flying to/from New Zealand via Cairns, New York via Vancouver may require transit visa.

### Fare Benefits

#### CGK-MNL : Economy Value Fare Family Benefits and Conditions

- 30 Kilos Free Baggage Allowance
- Free Hot Meal
- 75% Mabuhay Miles Credit
- Rebooking Allowed with Fee
- No Show Fee Applies
- Refundable with Fee for Totally Unused Tickets; Non-Refundable for Partially Used Tickets

Specific rules on surcharges/penalties and other conditions are indicated in the Fare Rules link above. [Click to view fare rules and conditions](#)

**Total Air Fare IDR 3,419,000**

### Extras

<https://bookings.philippineairlines.com/flypal/ConfirmationForward.do>

1/2



ELECTRONIC TICKET  
PASSENGER ITINERARY/RECEIPT

PREPARED FOR  
SEE/KOKMENGRYANMR

TICKET NUMBER  
1265172004896

RESERVATION CODE : FAJPGF  
PACIFIC ARENA PTE LTD  
200 CANTONMENT ROAD  
UNIT 04-05 SOUTHPOINT  
SINGAPORE 089763  
Opening Hrs : 0900 - 1800  
Consultant : LOUISE MOK  
Office Hours Contact : +65 6317 2899  
After Office Hours Contact : +65 6317 2899 (A charge of  
\$50 plus 7% GST applies)  
Facsimile : +65 6317 2822  
Email : gov1@rt.pricebreaker.travel

FREQUENT FLYER :  
ISSUING AIRLINE : GARUDA INDONESIA  
ISSUING AGENT : PACIFIC ARENA PTE LTD  
ISSUING LOCATION : SINGAPORE, SG  
ISSUED DATE : 19JUN18

IATA NUMBER : 32300575  
CUSTOMER NO : GV0048  
TOUR CODE : CA02VITA17  
FOID :  
NAME REF :

Sunday 08 Jul - Please verify flight times prior to departure

AIRLINE RES CODE : KDVOIW

FLIGHT/CLASS	TIME	CITY/COUNTRY/AIRPORT NAME/TERMINAL	STATUS / DURATION / MILEAGE MEALS/EQUIPMENT/STOPS
GARUDA INDONESIA GA 837/ECONOMY/M	18:45	SINGAPORE CHANGI TERMINAL 3	CONFIRMED / 1HR55MIN / 557MILES / HOT MEAL / BOEING 737-800
	19:40	JAKARTA SOEKARNO TERMINAL 3	

FARE BASIS CODE : MRTSG/VITA  
NOT VALID BEFORE :  
NOT VALID AFTER : 08JAN19

BAGGAGE : 30K  
NOTES :  
SEAT :

GA GARUDA INDONESIA Contact (SINGAPORE CHANGI)--(65) 62505666/62502888

Friday 13 Jul - Please verify flight times prior to departure

AIRLINE RES CODE : KDVOIW

FLIGHT/CLASS	TIME	CITY/COUNTRY/AIRPORT NAME/TERMINAL	STATUS / DURATION / MILEAGE MEALS/EQUIPMENT/STOPS
GARUDA INDONESIA GA 822/ECONOMY/N	20:25	JAKARTA SOEKARNO TERMINAL 3	CONFIRMED / 2HR5MIN / 557MILES / HOT MEAL / BOEING 737-800
	23:30	SINGAPORE CHANGI TERMINAL 3	

FARE BASIS CODE : N6MSG/VITA  
NOT VALID BEFORE :  
NOT VALID AFTER : 08JAN19

BAGGAGE : 30K  
NOTES :  
SEAT :

GA GARUDA INDONESIA Contact (JAKARTA SOEKARNO)--080-41-807807

FORM OF PAYMENT : MASTERCARD

ENDORSEMENT / RESTRICTIONS : XFLTCPN 1 BY30SEP19/NONENDCOND APLY/RFND N NSHW FEE/APLY/RBKG FREE  
SAME RBD/W-IN TKT VLDTY

FARE CALCULATION LINE : SIN GA JKT138.28GA SIN115.19NUC253.47END ROE1.336861

FARE : SGD 339.00

TAXES/FEES/CARRIER-IMPOSED CHARGES (YR/YQ) : SGD 19.90SG, 8.0000, 6.100P, 22.30D5, 81.20YQ

TOTAL : SGD 476.50

NOTE - SGD6.10 OP (AVIATION LEVY) APPLIES TO DEPARTURES FROM SINGAPORE

**POSITIVE IDENTIFICATION REQUIRED FOR AIRPORT CHECK-IN/NOTICE**

THE CARRIAGE OF CERTAIN HAZARDOUS MATERIALS, LIKE AEROSOLS, FIREWORKS, AND FLAMMABLE LIQUIDS, ABOARD THE AIRCRAFT IS FORBIDDEN. IF YOU DO NOT UNDERSTAND THESE RESTRICTIONS, FURTHER INFORMATION MAY BE OBTAINED FROM YOUR AIRLINE.

DATA PROTECTION NOTICE: YOUR PERSONAL DATA WILL BE PROCESSED IN ACCORDANCE WITH THE APPLICABLE CARRIERS PRIVACY POLICY AND, IF YOUR BOOKING IS MADE VIA A RESERVATION SYSTEM PROVIDER (GDS), WITH ITS PRIVACY POLICY. THESE ARE AVAILABLE AT [HTTP://WWW.IATATRAVELCENTER.COM/PRIVACY](http://www.iatatravelcenter.com/privacy) OR FROM THE CARRIER OR GDS DIRECTLY. YOU SHOULD READ THIS DOCUMENTATION, WHICH APPLIES TO YOUR BOOKING AND SPECIFIES, FOR EXAMPLE, HOW YOUR PERSONAL DATA IS COLLECTED, STORED, USED, DISCLOSED AND TRANSFERRED.

**NOTICE**

CARRIAGE AND OTHER SERVICES PROVIDED BY THE CARRIER ARE SUBJECT TO CONDITIONS OF CARRIAGE, WHICH ARE HEREBY INCORPORATED BY REFERENCE. THESE CONDITIONS CAN BE OBTAINED FROM THE ISSUING CARRIER OR THROUGH ITS WEBSITE. PASSENGERS ON A JOURNEY INVOLVING AN ULTIMATE DESTINATION OR A STOP IN A COUNTRY OTHER THAN THE COUNTRY OF DEPARTURE ARE ADVISED THAT INTERNATIONAL TREATIES KNOWN AS THE MONTREAL CONVENTION, OR ITS PREDECESSOR, THE WARSAW CONVENTION, INCLUDING ITS AMENDMENTS (THE WARSAW CONVENTION SYSTEM), MAY APPLY TO THE ENTIRE JOURNEY, INCLUDING ANY PORTION THERE OF WITHIN A COUNTRY. FOR SUCH PASSENGERS, THE APPLICABLE TREATY, INCLUDING SPECIAL CONTRACTS OF CARRIAGE EMBODIED IN ANY APPLICABLE TARIFFS, GOVERNS AND MAY LIMIT THE LIABILITY OF THE CARRIER. CHECK WITH YOUR CARRIER FOR MORE INFORMATION.

IATA TICKET NOTICE : <http://www.iatatravelcentre.com/e-ticket-notice/General/English/>

(Subject to change without prior notice)

PRINTED ON 10:36AM 19JUN18



Passenger: HWANLABEH AREE LT (ADT)

Booking ref: QE3WRI

Ticket number: 217 2324702124



Issuing office:

THAI CONTACT CENTER (TCC), 6 LARNLUANG  
ROAD, BANGKOK 10100, BANGKOK

Date: 06JUL2018

## ELECTRONIC TICKET RECEIPT

The picture identification shall be presented at check-in. THAI reserves the right for checking credit/debit card used for purchase the ticket (by phone or internet) at any time.

"Smart Baggage" – an innovation baggage with integrated and installed lithium batteries, motors, power banks, GPS, GSM, Bluetooth, RFID or Wi-Fi technology, is subject to specific requirements to ensure that it does not pose a hazard to aircraft systems due to electromagnetic radiation. If carried as checked baggage, the installed batteries must be removed from the baggage at check-in counter and the removed batteries must be carried as carry-on baggage. The dimension of baggage is permitted at maximum length 56 cm (22 inches), width 45 cm (18 inches) and thickness 25 cm (10 inches) at the same size of carry-on baggage.

From	To	Flight	Departure	Arrival	Last check-in
BANGKOK SUVARNABHUMI INTL	JAKARTA SOEKARNO HATTA INTL Terminal: 3	TG433	08:00 08Jul2018	11:35 08Jul2018	
Class: T		Operated by: THAI AIRWAYS INTERNATIONAL			
Seat: 36K		Marketed by: THAI AIRWAYS INTERNATIONAL			
Baggage (4): 30K		Booking status (1): OK		NVA (3): 08AUG2018	
Fare basis: TRLE1TH0				Duration: 03:35	
Special Service Request		MOML - HALAAL MEAL REQUEST - CONFIRMED			
JAKARTA SOEKARNO HATTA INTL	BANGKOK SUVARNABHUMI INTL	TG434	12:35 14Jul2018	16:05 14Jul2018	
Terminal: 3					
Class: K		Operated by: THAI AIRWAYS INTERNATIONAL			
Seat: 32A		Marketed by: THAI AIRWAYS INTERNATIONAL			
Baggage (4): 30K		Booking status (1): OK		NVA (3): 08AUG2018	
Fare basis: KRLE1TH0				Duration: 03:30	
Special Service Request		MOML - HALAAL MEAL REQUEST - CONFIRMED			

(1) OK = confirm (2) NVB = Not valid before (3) NVA = Not valid after (4) Each passenger can check in a specific amount of baggage at no extra cost as indicated above in the column baggage. Each piece of baggage may not exceed 32 kilos

### PAYMENT DETAILS

Fare Calculation: BKK TG JKT186.15TG  
BKK180.57NUC366.72END ROE32.231000  
Form of payment: CC CA XXXXXXXXXXXX4841  
1022 217351  
Form of payment: EP  
Endorsements: NON ENDORSE/REISSUE OR REFUND  
CHARGE THB2000/ NO PARTIAL REFUND

### FARE DETAILS

Fare: THB 11820  
Tour Code: THA6S031  
Taxes: THB 35E7  
THB 15G8  
THB 35E7  
THB 15G8  
THB 700TS  
THB 540D5  
THB 1340YQ  
Carrier Imposed Fees:

PHÒNG VÉ MÁY BAY HẢI THÀNH - QUẢN CHUNG HẢI QUẢN

Ký hiệu (Serial): AHQC

Số(no): HT 2018000347

## PHIẾU THU (RECEIPT)

Ngày (Receipt date):

Tên khách hàng (Customer's Name):

NGUYEN THE LONG

Địa chỉ (Address):

PHONG BAN DO - BO THAM MUU HAI QUAN

Lý do nộp (Due to):

TIEN VE MAY BAY

## 1. Chi tiết khoản thu (Details)

Số vé (Ticket No)	Tên khách (Name)	Hành trình (Route)	Số lượng (Quantity)	Đơn giá (Unit Price)	Thành tiền (Amount)
	NGUYEN THE LONG	HAN-JKT-HAN	1	550	550 USD

TI GIA

22970

12.633.500 VND

Tổng số tiền thanh toán (Equivalent amount paid):

Hình thức thanh toán (Form of payment):

Bằng chữ (In word): MUOI HAI TRIEU SAU TRAM BA MUOI BA NGHIN NAM TRAM DONG /.

Đề nghị quý khách kiểm tra kỹ trước khi rời khỏi quầy thu ngân (Please kindly check before leaving).

Ngày (Date): 29/6/18

Khách hàng

(Customer)

**PHÒNG VÉ HẢI THÀNH**  
(Salesperson)  
 27C Điện Biên Phủ - Hải Phòng  
 ĐT: 0225.6252124 - Fax: 0225.6252686

VU THI THUY





**LIST OF TRAINEE ATTENDANCE  
TRAINING ON USE GNSS FOR TIDE CORRECTION  
FOR SURVEY  
JAKARTA, 09-13 JULY 2018**

NO	NAME	COUNTRY	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
1	Haji Asrahwi Bin Haji Ahmad Bujang	Brunei Darussalam	P	P	P	P	P
2	Mr. LAM Kai-wing	Hongkong	P	P	P	P	P
3	Lingzhi WU	China	P	P	P	P	P
4	Lt. Nguyen The Long	Vietnam	P	P	P	P	P
5	Mr. HA Chun-Fai	Hongkong	P	P	P	P	P
6	Haji Zool Hilmi Bin Hj Matahir	Brunei Darussalam	P	P	P	P	P
7	Tomoki KAWAKAMI	Japan	P	P	P	P	P
8	CHOI Juyoung	Korea	P	P	P	P	P
9	Lt.Cdr Aree	Thailand	P	P	P	P	P
10	Lt. Mohammad Nizam Binazha	Malaysia	P	P	P	P	P
11	Ltjg Marlon E Estropia	Philiphine	P	P	P	P	P
12	CHOI Wonju	Korea	P	P	P	P	P
13	See Kok Meng Ryan	Singapore	P	P	P	P	P
14	Lettu Laut (P) Satrio Tegas	Indonesia	P	P	P	P	P
15	Letda Laut (KH/W) Nadia	Indonesia	P	P	P	P	P
16	Kapten Laut (E) Tri Aji	Indonesia	P	P	P	P	P
17	Kpt Laut (S) Purry Djati Anggara	Indonesia	P	P	P	P	P
18	Ltt Laut (KH) Edityo	Indonesia	P	P	P	P	P

**Note :**

**P : Present/Hadir**

**NP: Not Present/Tidak Hadir**

Jakarta, Juli 2018

Dirpamkersantas

Selaku

Ketua Penyelenggara,





## MERCURE CONVENTION CENTER, ANCOL - JAKARTA

## GUEST FOLIO

Name and address	:	PUSHIDROSAL Jl. Pantai Kuta V/1 Ancol Timur Jakarta Utara
Company Name	:	PUSHIDROSAL
Arrival Date	:	8 July 2018
Departure Date	:	13 July 2018
Folio Number	:	00358624/All
Payment Term	:	CASH
Room Number	:	
No 01 Person	:	0
C/O Time	:	20:10

## Room Package (For 9 Participant)

No	Name	Room Number	Qty	Price (IDR)	Total (IDR)
1.	Haji Asrahwi Bin Haji Ahmad Bujang	636	6	1.550.000	9.300.000
2.	Lingzhi WU	964	6	1.550.000	9.300.000
3.	Tomoki Kawakami	735	6	1.550.000	9.300.000
4.	Choi Juyoung	731	6	1.550.000	9.300.000
5.	Lt. Mohammad Nizam	624	6	1.550.000	9.300.000
6.	Ltjg Marlon E Estropia	618	6	1.550.000	9.300.000
7.	See Kok Meng Ryan	763	6	1.550.000	9.300.000
8.	Lt.Cdr Aree	634	6	1.550.000	9.300.000
9.	Lt. Nguyen The Long	863	6	1.550.000	9.300.000
<b>TOTAL</b>					<b>83.700.000</b>

**GUEST FOLIO**

	Name and address	:	PUSHIDROSAL Jl. Pantai Kuta V/1 Ancol Timur Jakarta Utara
	Company Name	:	PUSHIDROSAL
	Arrival Date	:	8 July 2018
	Departure Date	:	13 July 2018
	Folio Number	:	00358624/All
	Payment Term	:	CASH
Room Number	:		
No 01 Person	:	0	
C/O Time	:	20:10	

**Room Package (For 5 Instructors)**

No	Name	Room Number	Qty	Price (IDR)	Total (IDR)
1.	Dr. Rer. Nan. Poerbandono, S.T., M.T.	963	6	1.550.000	9.300.000
2.	Dr. Ir. John I Parwono	725	2	1.550.000	3.100.000
3.	Jacob Van Oostrom	528	3	1.550.000	4.650.000
4.	Dr. Parluhutan Manurung	727	1	1.550.000	3.100.000
5.	Guido Peederman	527	3	1.550.000	4.650.000
<b>TOTAL</b>					<b>24.800.000</b>



MERCURE CONVENTION CENTER, ANCOL - JAKARTA

		Name and address	:	PUSHIDROSAL Jl. Pantai Kuta V/1 Ancol Timur Jakarta Utara
		Company Name	:	PUSHIDROSAL
		Arrival Date	:	8 July 2018
Room Number	:	Departure Date	:	13 July 2018
No 01 Person	:	Folio Number	:	00358624/All
C/O Time	:	Payment Term	:	CASH

No	Name	Qty	Price (IDR)	Total (IDR)
1.	Full Board Meeting For 6 Days	20	570 000	68.400.000
	<b>TOTAL</b>			<b>68.400.000</b>



Jl. Anggrek Garuda III Blok I No. 51 Jakarta Barat  
Kertasari No. 92 RT/RW.003/007 Bandung  
021-53666149/022 - 87243768

## **KUITANSI**

No. 880/KU-JMI/2018

Sudah terima dari : Pushidrosal  
Jumlah Uang : Rp. 20.250.000,00  
Terbilang : *Dua Puluh Juta Dua Ratus Lima Puluh Ribu Rupiah*  
Untuk Pembayaran : Sewa 18 Unit Komputer untuk 5 hari @ Rp. 225.000,00

Hormat Kami,  
Java Media Indonesia

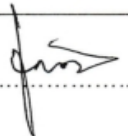

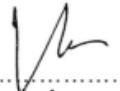






**Fuji Astuti Dewi**  
Keuangan

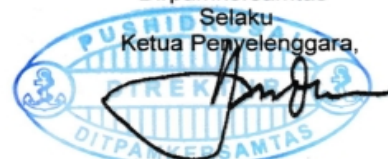
Pekerjaan tersebut telah diterima/diselesaikan dengan lengkap dan baik

CV. JAVA MEDIA INDONESIA  
NPWP: 72.017.525.6-429.000  
Pembayaran dapat ditransfer rekening  
Bank Mandiri  
a/n : Java Media Indonesia  
a/c : 131-00-0287187-1

**TRAINERS FEE  
TRAINING ON USE GNSS FOR TIDE CORRECTION  
FOR SURVEY  
JAKARTA, 09-13 JULY 2018**

No	Name	Qty	Fee (IDR)	Signature	Total (IDR)
1.	Dr. Rer. Nan. Poerbandono, S.T., M.T.	3	1.800.000,00	1..... 	5.400.000,00
2.	Dr. Ir. John I Parwono	1	1.800.000,00	2..... 	1.800.000,00
3.	Jacob Van Oostrom	2	1.800.000,00	3..... 	3.600.000,00
4.	Dr. Parluhutan Manurung	1	1.800.000,00	4..... 	1.800.000,00
5.	Guido Peederman	2	1.800.000,00	5..... 	3.600.000,00
6.	Wahyu A Wibowo	3	1.800.000,00	6..... 	5.400.000,00
7.	Yanuar Handwiono	2	1.800.000,00	7..... 	3.600.000,00
<b>TOTAL</b>					<b>25.200.000,00</b>

Jakarta, Juni 2018  
Dirpamkersantas  
Selaku  
Ketua Penyelenggara.



Yanuar Handwiono  
Kolonel Laut (E) NRP 9306/P

## DOCUMENTATIONS

### 1. Opening Ceremony



### 2. Class and Field Activities



### 3. Data Processing and Discussion





#### 4. Tour of Jakarta



## 5. Closing Ceremony





## CAPACITY BUILDING SUB-COMMITTEE

PROCEDURE 5  
Part 2

## REPORT MODEL

**IDENTIFICATION**

<b>Project Number</b>	
<b>Project Name</b>	The Use of GNSS for Tide Correction for Survey Course

**FINANCIAL REPORT (in Euros)**

	Resources			Comments
	requested	allocated	spent	
Contribution by countries involved	None	None	None	
Contribution by other parties	None	None	None	
Contribution from CBSC Fund	€ 16,760	€ 16,760	€ 16,760	
Total Cost	€ 16,760	€ 16,760	€ 16,760	
- Flights	€ 4,843.56	€ 4,843.56	€ 4,843.56	
- Accommodation	€ 6,312.29	€ 6,312.29	€ 6,312.29	
- Meals	€ 3,156.15	€ 3,156.15	€ 3,156.15	
- Training equipment	€ 1,148.00	€ 1,148.00	€ 1,148.00	
- Trainers fee	€ 1,300.00	€ 1,300.00	€ 1,300.00	

**RESULTS**

<b>Results</b>	The Use of GNSS for Tide Correction for Survey Course Assessment and Comments
Date of start	09 July 2018
Date of finish	13 July 2018
Changes in scope or focus	-
Results achieved (output, product, etc.)	Through group presentations by five modules, trainees were able to come up with standard course material. They also exchanged questions, opinions, assessments and suggestions during lesson presentations.
Comparison with the Achievements and benefits awaited	This course is intended to introduce tidal correction using GNSS and its applications in each participating country. In the future, tidal correction using GNSS can be an alternative for common tidal correction.
Problems experienced	1. Insufficient time to cover all content of the course. 2. There is still a parameter i.e separation model, that must be assured of its value to get the best depth estimation result.

Suggestion for improvement for similar projects	The duration of the course should be extended so the participants can understand the programme thoroughly.
Suggestion for follow-up projects	Design a The Further Use of GNSS for Tide Correction for Survey Course
Valuation	Results achieved in 80 % according to the assessment criteria

\_\_\_\_\_  
CSBC Secretary



\_\_\_\_\_  
Captain Yanuar Handwiono  
Project Leader



## CAPACITY BUILDING SUB-COMMITTEE

## PROCEDURE 5

## Part 3

## ASSESSMENT MODEL

**IDENTIFICATION**

<b>Project Number</b>	
<b>Project Name</b>	The Use of GNSS for Tide Correction for Survey Course

	<b>Performance indicator</b>	<b>Mark</b>	<b>Comments</b>
-	<b>Arrangements</b>		
	Organisation of the project	5	
	Involvement(contribution) of National partners		4 Participants attended the programme with their own budget (1 from Brunei, 2 from Hongkong and 1 from Korea)
	Regional partners		
	RHC		
	IHB	5	
-	<b>Efficiency of the project</b>		
	Goals achieved	5	
	Planned timing	5	
-	<b>Future perspectives</b>		
	Need of similar project (locally, regionally)	5	
	Impact on future development	5	
-	<b>Procedure of CBSC</b>		
	Application form	5	
	Support received	5	
	Follow up and reporting	5	

Each of the performance indicators indicated in the table is rated according to the scale provided:

0 = 0-20%    2 = 40-60%    4 = 80-90%  
 1 = 20-40%    3 = 60-80%    5 = 90-100%

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CAPACITY BUILDING SUB-COMMITTEE

PROCEDURE 8  
Part 2

**PROJECT FINANCE REPORT**

(to be sent to [mfa@iho.int](mailto:mfa@iho.int), copy to [adcc@iho.int](mailto:adcc@iho.int))

IDENTIFICATION		IHB Use
<b>Project Number (CBWP):</b>		
<b>Project Name:</b>	The Use of GNSS for Tide Correction for Survey Course	
<b>Project Leader:</b>	Captain Yanuar Handwiono	
<b>Contact Officer:</b>	Oke Dwiyana; Andri Noviato	
<b>Contact Officer's email/telephone:</b>	<a href="mailto:infohid@pushidrosal.id">infohid@pushidrosal.id</a> ; <a href="mailto:gnss.trdc@pushidrosal.id">gnss.trdc@pushidrosal.id</a> ;	
<b>Organizing institution:</b>	Indonesian Naval Hydrographic and Oceanographic Center (INHOC)	

PROJECT DETAILS		IHB Use
<b>Project commencement date:</b>	09 July 2018	
<b>Project completion date:</b>	13 July 2018	
<b>Venue:</b>	Mercure Hotel Ancol, Jakarta, Indonesia	
<b>Scope of project:</b>	The aim of the GNSS for Tidal Correction Course is developing perspective among the participants in the fundamental issues of hydrographic aspects for using GNSS data for correction hydrographic data survey. The development of such a perspective will be facilitated by overviews, lectures, hands-on, and discussions on the fundamental concept and relevant aspects of using GNSS Data.	
<b>Number of participants:</b>	18 trainees	

**FINANCIAL DETAILS**

Resources	Request	Allocated	Spent	Comments	IHB Use
<b>Contribution by countries involved</b>	None	None	None	4 Participants attended the programme with their own budget (1 from Brunei, 2 from Hong Kong and 1 from Korea)	
<b>Contribution from other parties</b>	None	None	None		
<b>Contribution from CBSC Fund</b>	<b>€ 16,760</b>	<b>€ 16,760</b>			

**BREAKDOWN OF EXPENDITURES**

Item description	Amount	Initially paid by	Charged to CBSC/IHB	IHB Use
<b>Flights</b>	€ 4,843.56	INHOC	€ 4,843.56	
<b>Accommodation</b>	€ 6,312.29	INHOC	€ 6,312.29	
<b>Full board meeting (meals)</b>	€ 3,156.15	INHOC	€ 3,156.15	
<b>Training (PC Rental)</b>	€ 1,148.00	INHOC	€ 1,148.00	
<b>Instructors Allowance</b>	€ 1,300.00	INHOC	€ 1,300.00	
		Total	€ 16,760.00	

(Copy of invoices, air tickets, and other justification necessary to justify the expenditures)  
(this template is available in Excel format)

Agreement CBSC  
Name:  
Signature:

Signature:



Name:

Captain Yanuar Handwiono





## CAPACITY BUILDING SUB-COMMITTEE

PROCEDURE8  
Part 2

## LIST OF PARTICIPANTS

<b>Project Number (CBWP):</b>	
<b>Project Name:</b>	The Use of GNSS for Tide Correction for Survey Course

## Instructors

First Name	Family Name	Country	Agency	E-mail	Phone/Fax	Passport number
	Poerbandono	Indonesia	Bandung Institut of Technology	poerbandono@itb.ac.id		-
John I	Pariwono	Indonesia	Bogor Institut of Agriculture			
Parluhutan	Manurung	Indonesia	Geospatial Information Agency	parluhutan.manurung@big.go.id		
Wahyu A	Wibowo	Indonesia	PT. Geotronix Pratama Indonesia	wahyu.wibowo@geotronix-group.com		
Jacob	Van Oostrom	Singapore	R2 Sonic	jacob@r2c.com.sg		
Guido	Peerdeman	Singapore	R2 Sonic	guido@r2c.com.sg		
Yanuar	Handwiono	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center	handwiono@gmail.com		


## Trainees

First Name	Family Name	Country	Agency	E-mail	Phone/Fax	Passport number
Haji Asrahwi	Bin Haji Ahmad Bujang	Brunei Darussalam	Survey Department of Brunei Darussalam	asrahwi.bujang@survey.gov.bn		C0313640
Haji ZoolHilmi	Bin HjMatahir	Brunei Darussalam	Survey Department of Brunei Darussalam	g.zool84@gmail.com		C0435229
Lingzhi	Wu	China	China maritime Safety Administration	wulingzhi1314@sina.com		
Chun-Fai	Ha	Hongkong	Hong Kong Hydrographic Office	cfha@mardep.gov.hk		K02168094
Kai-wing	Lam	Hongkong	Hong Kong Hydrographic Office	kwlam2@mardep.gov.hk		K06627839
Purry Djati	Anggara	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center	purrydjati@gmail.com		
Tri	Aji	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center	Tri471.cena@gmail.com		
Satrio	Tegas	Indonesia	Indonesia Naval Hydrographic and Oceanographic Center			
Ediyto		Indonesia	Indonesia Naval Hydrographic and Oceanographic Center	edo.kribz@gmail.com		
Nadia		Indonesia	Indonesia Naval Hydrographic and Oceanographic Center	nadiazahrina@gmail.com		
Tomoki	Kawakami	Japan	Japan Coast Guard	swimingtomo@docomo.ne.jp		

Juyoung	Choi	Korea	Korea Hydrographic and Oceanographic Agency	0902cgy@korea.kr		M55905581
Wonju	Choi	Korea	Korea Hydrography and Research Association	cwj@khra.kr		
Mohammad Nizam	Bin Azha	Malaysia	Royal Malaysian Navy	samartnizam@gmail.com		A40056120
Marlon E	Estropia	Philiphine	National Mapping and Resource Information Authority	estropia.marlon@gmail.com		EC6884134
See Kok Meng	Ryan	Singapore	Maritime and Port Authority of Singapore	See_kok_meng@mpa.gov.sg		KO451548D
Aree	Hwanlabelh	Thailand	Royal Thai Navy	nui43100@gmail.com		OF1075965
Nguyen	The Long	Vietnam	Vietnam Hydrographic Office	qh_chart@vho_navy.vn		S1147918

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CSBC Secretary



Captain Yanuar Handwiono  
Project Leader