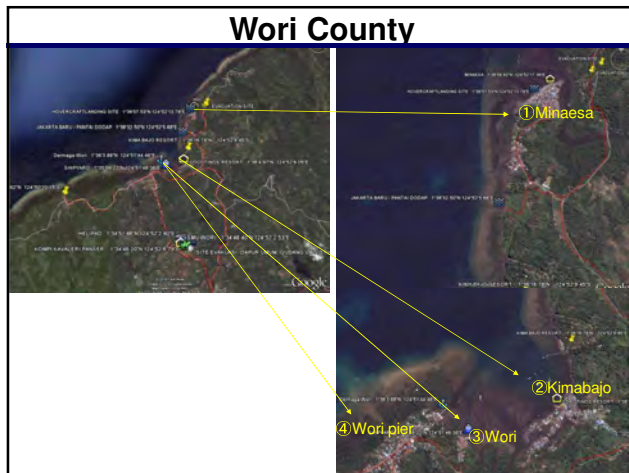
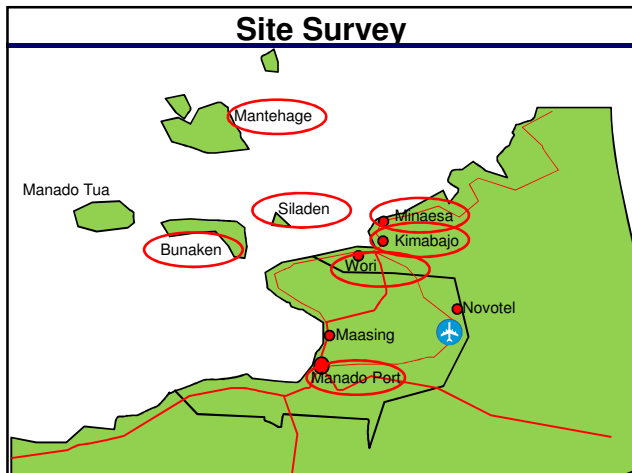




Agenda
<ul style="list-style-type: none"> ● Result of Site Survey <ul style="list-style-type: none"> - Wori County (Minaesa, Kimabajo, Wori) - 3 Islands (Mantehage, Siladen, Bunaken) - 2 Ports (Manado, Bitung) ● JSDF and INDONESIA Assets (Maritime OPS) ● Maritime OPS OVERALL ● Request to Change FTX Timeline ● OP IMAGE ● Action Items (Request from WG to Indonesian side) ● Morgue



①Minaesa



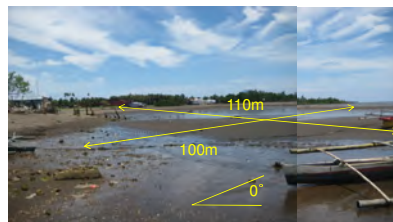
Beach Point
 1° 36'59.4"N
 124° 52'13.5"E

- Transfer Evacuee
- Water Supply

※ Operational Limitation; Low Tide Timing for BEACHING



②Kimabajo



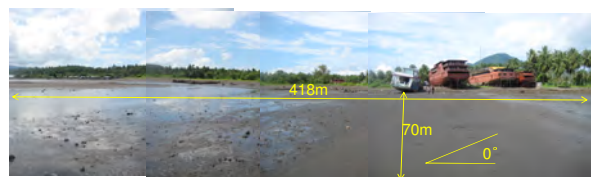
Beach Point
 1° 36'0.25"N
 124° 51'43.3"E

※ Operational Limitation; Low Tide Timing for BEACHING

- Transfer Evacuee
- Water Supply



③Wori



Beach Point
 1° 36'0.25"N
 124° 51'43.3"E

※ Operational Limitation; Low Tide Timing for BEACHING

- Transfer Evacuee
- Water Supply

④Wori Pier



Beach Point
 1° 37'95"N
 124° 55'70"E

- Transfer Evacuee by LCAC

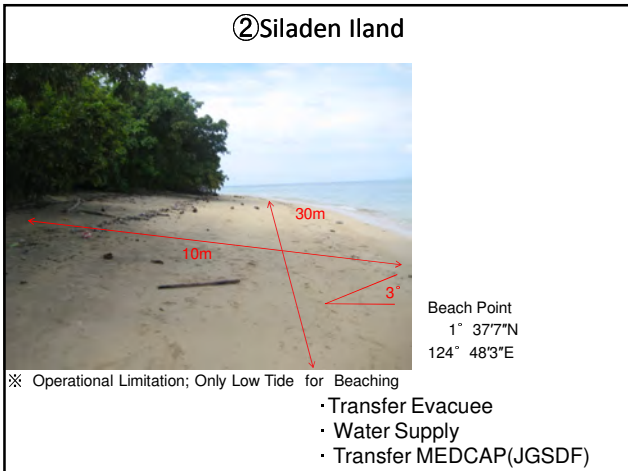
Islands



①Mantehage Iland



②Siladen Iland



③Bunaken Iland



Manado PORT

Length 180m x Width 1m x Height 2.7m
Depth 4m

※ Operational Limitation; Need a Barge For LCAC
• Transfer Evacuee

Mega Mall Pier(DERMAGA WISATA(Manado))

Bit Space: 4.8m

Depth: 5~10m

- LCAC (For DiREx OPS)
- Small Boat (JMSDF and INDONESIA)

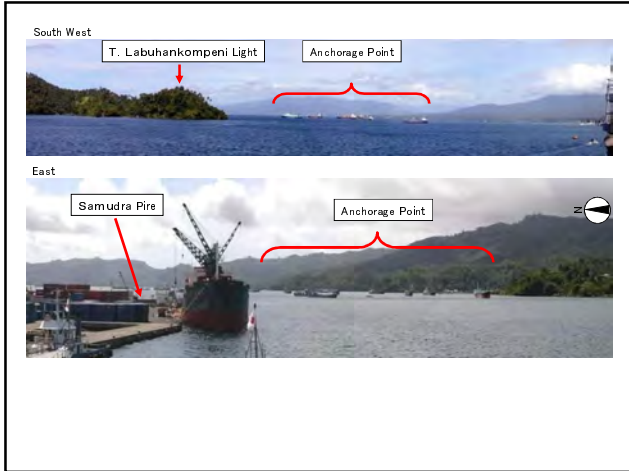
- Transfer Evacuee
- Water Supply

Bitung PORT

Strength	30t
Length	242m
Width	9.9m
Height	1.2m
Depth	10.2~10.5m

Legend: □ If Low Water

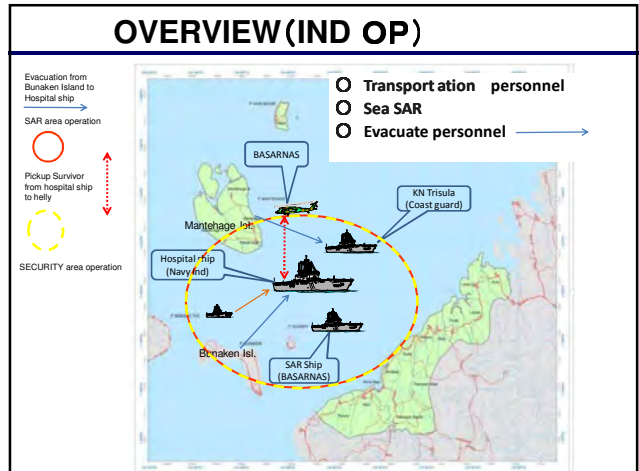
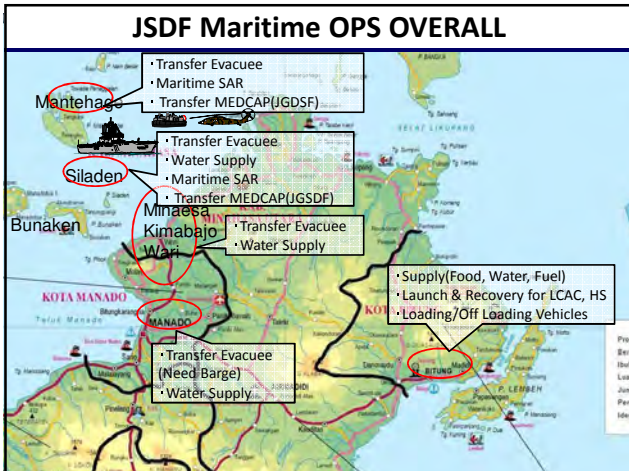
※ Depth (m)




SS RESULT

	BOAT OP	LCAC OP	ACTIVITY BY JMSDF	NOTE
MANTEHAGE ISLAND	○	○	TRANSFER EVACUEE Maritime SAR	
SILADEN ISLAND	✕	○	TRANSFER EVACUEE WATER DISTRIBUTION Maritime SAR	
BUNAKEN ISLAND	○	✕	TRANSFER EVACUEE Maritime SAR	
MANADO PORT	○	○	TRANSFER EVACUEE	BARGE MUST BE PREPARED
MANADO (MEGA MALL PIER)	○	○	TRANSFER EVACUEE WATER SUPPLY	REQUEST CLEAR ANCE FROM LOCAL GOV
WORI VILLAGE	✕	○	TRANSFER EVACUEE WATER DISTRIBUTION	
MINAESA VILLAGE	✕	○	TRANSFER EVACUEE WATER DISTRIBUTION	
KIMABAJO VILLAGE	✕	○	TRANSFER EVACUEE WATER DISTRIBUTION	
BITUNG	○	○	EMBARK/DISEMBARK	

✕ LOW TIDE→TRANSPORTATION(LCAC)/HIGH TIDE→SAR




JSDF ASSETS(Maritime OPS)



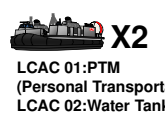
LST "OHSUMI"

•Support Ship




LCAC 01:PTM
(Personal Transportation Module)

•Transfer Evacuee
•Water Supply
•Maritime SAR
•Transfer MEDCAP



LCAC 02:Water Tank Truck

X2



UH-60J

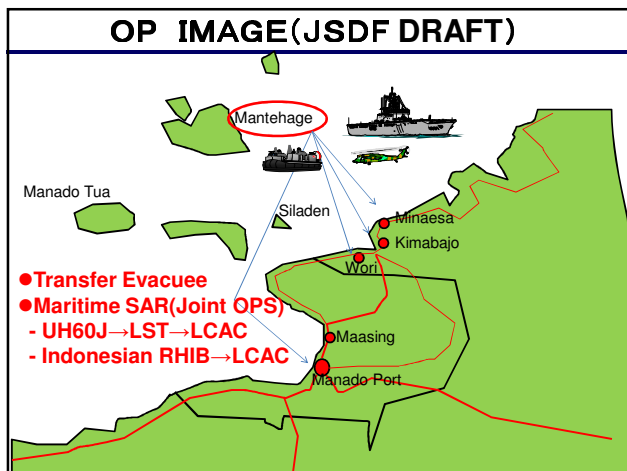
•Air SAR
(UH-60J→LST→LCAC)

INDONESIAN ASSETS(Maritime OPS)

- HOSPITAL SHIP (NAVY) × 1(TBD)
- PATROL BOAT (NAVY) × 2
- MUTIPURPOSE SHIP(COAST GUARD) × 1
- MARINE SURVEY BOAT (COAST GUARD/MANADO) × 1
- SAR SHIP(BASARNAS) × 2
- Helo (BASARNAS) × 2




- ### Activity
- Maritime SAR
 - Initial Action Stage
 - Planning Stage
 - Operation Stage(brief,departure SRU,Commence Search Point,Tracking,Man over board rescue (by hello & small boat),Hoisting (by hello)
 - Mission Conclusion Stage
 - Transportation
 - Medical staff
 - Engineering staff
 - Evacuation
 - Bunaken Island to Hospital Ship(patrol boat)
 - Mantehage Island to Hospital ship (by rubber boat)
 - SEA SECURE : Sea Area exercise.

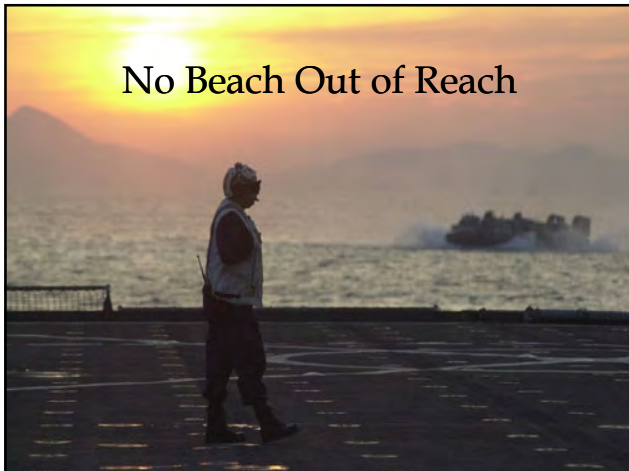


Action Items(Request from WG to Indonesian side)

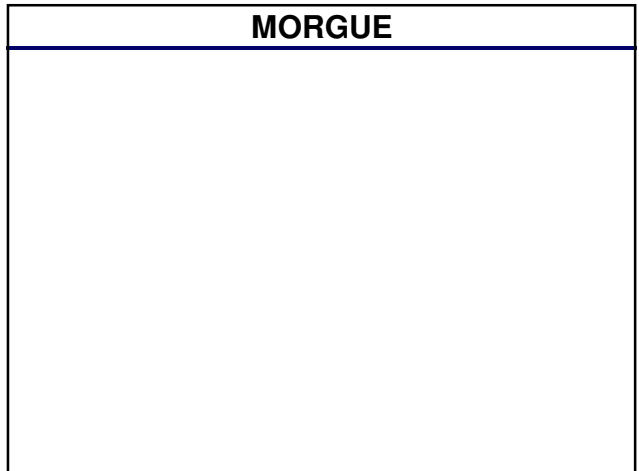
- 1.LEGAL CLEARANCE FROM CENTRAL/LOCAL AUTHORITIES TO OPERATE HELO,LCAC, RHIBS, BOATS FROM SHIP WITHIN INDONESIAN TERRITORIAL WATER, PORT AND BEACH.
- 2.LEGAL CLEARANCE FOR RADIO FREQUENCY(150~160MHZ) for FTX
- 3.INFORMATION ABOUT WATER TIDE FOR LCAC OPS,BOAT OPS AND EMBARRK AND DISEMBARK VECHLES.
- 4.CLEARANCE TO DO RHSL EX BEFORE FTX. (13,14th MAR)
- 5.ARRANGEMENT FOR LOGISTIC ISSUES(WATER, FUEL, FOOD)
- 6.SENTRY TO SECURE LCAC OP AREA
- 7.PERMISSION TO USE MEGA MALL PIER FROM LOCAL GOV (WITHN 5NM FROM MANADO PORT)

Action Items(Request from WG to Indonesian side)

- 8.SUBMIT INFO ABOUT ASSETS JOINING etc BY 30 SEP for EX PLANNING INCLUDING JOINT OP AMONG JOINING ASSETS
- 9.DETAILED CHARTS OF BITUNG AND MANADO AREA
- 10.ANCHORAGE(WITHN 5NM FROM MANADO PORT)
- 11.CLEARANCE TO USE BITUNG PIER(Minimum Depth 9m)
 - 12th MAR-14th MAR/18th MAR-20th MAR
 - 13th -14th MAR : Launch and Recovery for LCAC X2
 - 13thMAR: Off loading Vehicles
 - 19thMAR:Loading Vehicles




MORGUE



EX Items									
	SINDULAN G VILLAG E	MANTEHA GE ISLAN D	BILADE N ISLAN D	BUNAK EN ISL AND	MANAD O &AI RPORT	WOR VILLAG E	MIRAE SA VIL LAGE	KIMAB AUO VI LLAGE	BITUN G
AUSTLA RIA									
CAMBO DIA									
CANADA									
INDIA									
INDONE SIA									
JAPAN									
NEW ZE ALAND									
PNG									
PHILIPP INE									
SINGAP ORE									
EAST TI MOR									

CHARACTERISTIC OF LST "OHSUMI" CLASS




OHSUMI CLASS	
Displacement (t)	8,900
Length Overall (m)	178.0
Beam (m)	25.8
Draft (m)	7.0(9.0 need)
Speed (kt)	22
Complement(Troops or Evacuee)	143(+330)

CHARACTERISTIC OF LCAC (Landing Craft Air Cushion)

Length Overall (m)	OFF CUSHION (Displacement Mode)	24.7m
Beam (m)	OFF CUSHION (Displacement Mode)	14.3m
Draft (m)	OFF CUSHION (Displacement Mode)	0.7m
Displacement (t)		90.0ton
Pay Load(ton)		54.3ton
Speed	SEA STATE 2(SWH 1.2m)	50kt
Complement	Crew	5
	Other(PTM(Personal Transportation Mode)	23(180)
Main Engine	TF40B Gas-turbine(4,000hp)×4	16,000hp

Pay Load		
Vehicles	Small type(0.5t)	10
	Medium type(1.5t)	6
	Large type(3.5t)	4
Tank	74 Class	1
	90 Class	1



Military vehicles Debarkation from LCAC



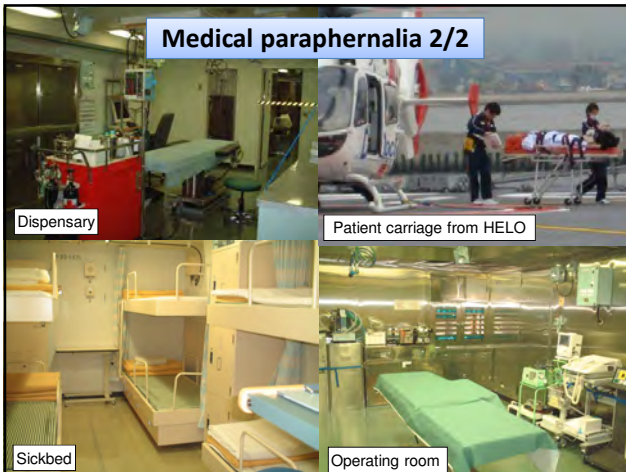
Loading, Debarkation is easy(Safety and Promptitude)

Medical paraphernalia 1/2

- Portable X-rays device
- Dentistry unit
- Emergency patient carriage device
- Electrocardiogram analytic machine
- Pulmotor
- Biochemical analyzer
- Blood element analyzer
- Patient monitor
- Supersonic diagnosis device
- Fiberscope device (Stomach)



Medical paraphernalia 2/2



Disaster Relief OPS Imagination figure



SDF Draft Schedule for ARF-DiREx FTX

	12		13		14		15		16		17		18		19		20		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
FTX					* EARTH QUAKE						FTX								
G S D F					PREP FOR FTX						WATER SUPPLY (MANADO)			WATER SUPPLY (ISLAND)					
A S D F					OC-130 ARRIVE MANADO					BAR (HELO AND LCAC)				OC-130 DEPART					
M S D F					OLST ARRIVE OFF BITUNG					BAR (HELO AND LCAC)				WATER SUPPLY (ISLAND)					

Alongside(pier)

13th -14th MAR
Launch and Recovery for LCAC X2
Off loading Vehicles

