

**Civil-Military Cooperation on HADR & MSAR :**  
***Japan's activities and lessons learned***

***5 May 2016***

***International Policy Div., Bureau of Defense Policy,  
Ministry of Defense, JAPAN***

## **1 Earthquakes in/IVO Kumamoto Prefecture**

- Overview
- Cooperation among relevant actors

## **2 DR OPs for the Philippines and Nepal**

- Overview
- Cooperation among relevant actors
- Lessons Learned

## **3 SAR OPs for MH370 in Malaysia & Australia**

- Overview
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## **4 SAR OPs for QZ8501 in Indonesia**

- Overview
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## **5 Activities of ADMM-Plus HA/DR-EWG, etc**

# Kumamoto Earthquake APR 2016 [1/3]



Kumamoto Castle partially destroyed



Large scale of landslides



Shopping arcade collapsed



Houses collapsed



Fallen Aso Bridge

**[Damage since 14 APR 2016] \* As of 1 MAY**

**Killed: 49      Injured: approx. 1,500**

**Damaged houses:      approx. 18,000**

**Evac recommended: approx. 104,000**

**[JSDF DR OPs] \* As of 1 MAY**

**Troops: approx. 24,000**

**Vessels: 12      Aircrafts: 79**

# Kumamoto Earthquake APR 2016 [2/3]



A female JGSDF member supports bathing in the ad hoc bathing facility



JGSDF distributes blankets for afflicted people



JGSDF providing food and water as well as relief goods



JGSDF supports transport of injured people



Close coordination with local GOV'T, police and fire fighters

# Kumamoto Earthquake APR 2016 [3/3]



JMSDF dispatching vessels for transportation of relief goods from northern / southern parts of Japan



JMSDF helicopters transporting the relief goods from the vessels to the landing spots closer the evacuation areas

# Kumamoto Earthquake APR 2016 [Assistance of Foreign Forces]



MV-22 transporting relief goods: US Forces in Japan providing full support of disaster relief operations



ROK dispatched C-130 for transportation of relief goods

**Foreign forces of the US and ROK providing assistance for Japan;  
RHCC in Singapore and ACMM in Thailand offering assistance as well**

# Kumamoto Earthquake APR 2016 [health promotion]



JSDF providing assistance of bathing in the ad hoc bathing facilities for evacuees



JSDF conducting medical activities of mobile clinic for evacuees



JSDF member lecturing physical exercise preventing from Economy-Class Syndrome



JSDF military bands holding small concerts for evacuees

# Kumamoto Earthquake APR 2016 [Civil-Military Cooperation]



JASDF C-130H transporting some DMATs (Disaster Medical Assistance Team organized by Local GOVT) from other areas in Japan



JGSD medical officers coordinating with a civilian doctor in the local hospital



JSDF members conducting SAR activities on the spot of landslide in close coordination with local GOVTs, police and fire fighters



JSDF members sweeping debris in coordination with people in the local community

**Japan Self-Defense Forces supporting afflicted people in close coordination with civilian actors including local GOVTs, police and fire fighters**



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- Cooperation among relevant actors
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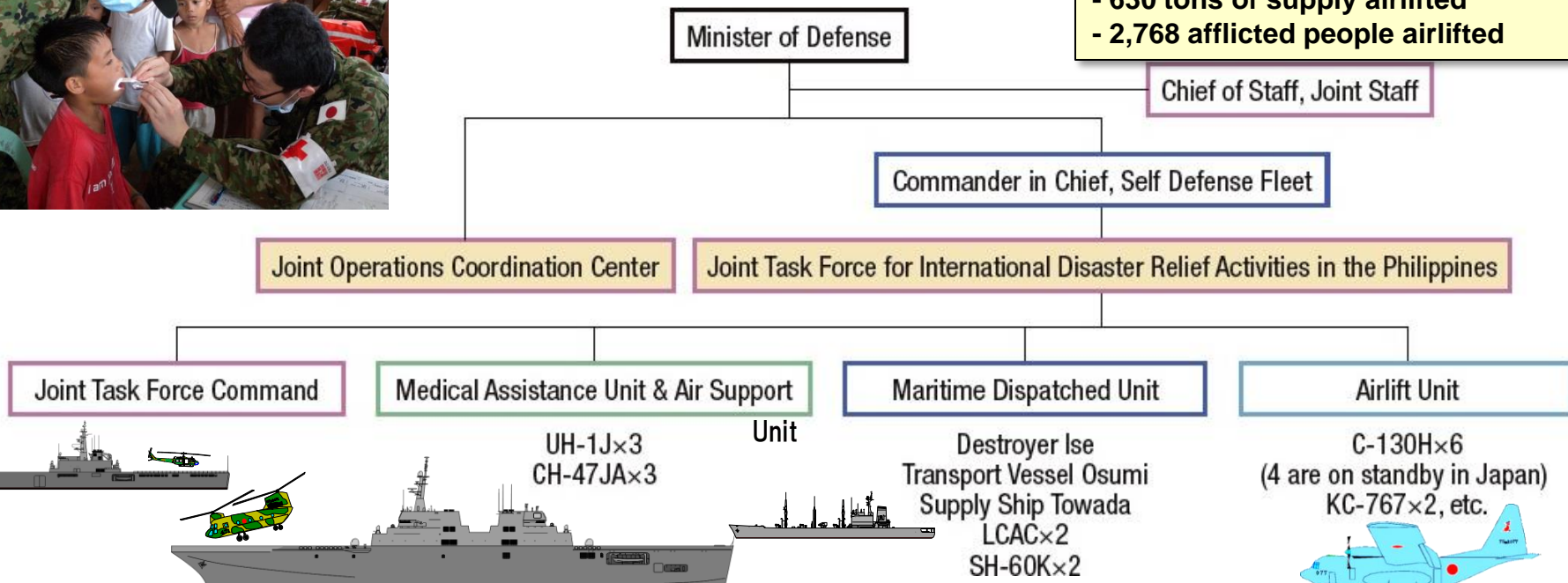
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# Overview: DR OPs for PHL affected by Typhoon Haiyan



**[ NOV - DEC 2013 ]**

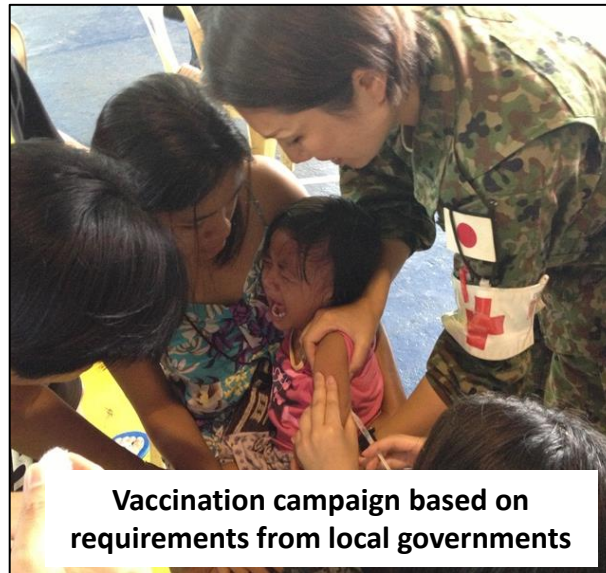
- 2,646 people received medical care
- 11,924 people vaccinated
- Epidemic ops on about 95,600 m/s
- 630 tons of supply airlifted
- 2,768 afflicted people airlifted



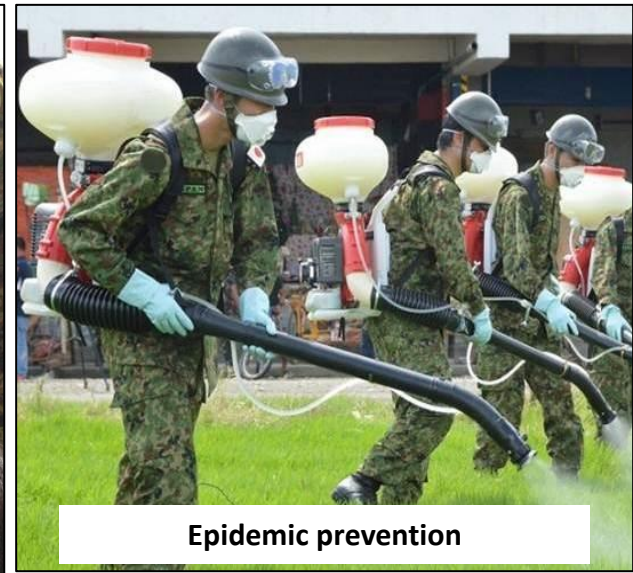
# DR activities for the Philippines



**Medical activity**



**Vaccination campaign based on requirements from local governments**



**Epidemic prevention**



**Transportation of afflicted people**



**Transportation of relief goods**

# Mil-to-mil Cooperation in the MNCC, Camp Aguinaldo [1/2]



JPN's Minister of Defense visited the MNCC, Camp Aguinaldo in DEC 2013



JSDF liaison officer to the MNCC made a briefing on JSDF activities in the Philippines

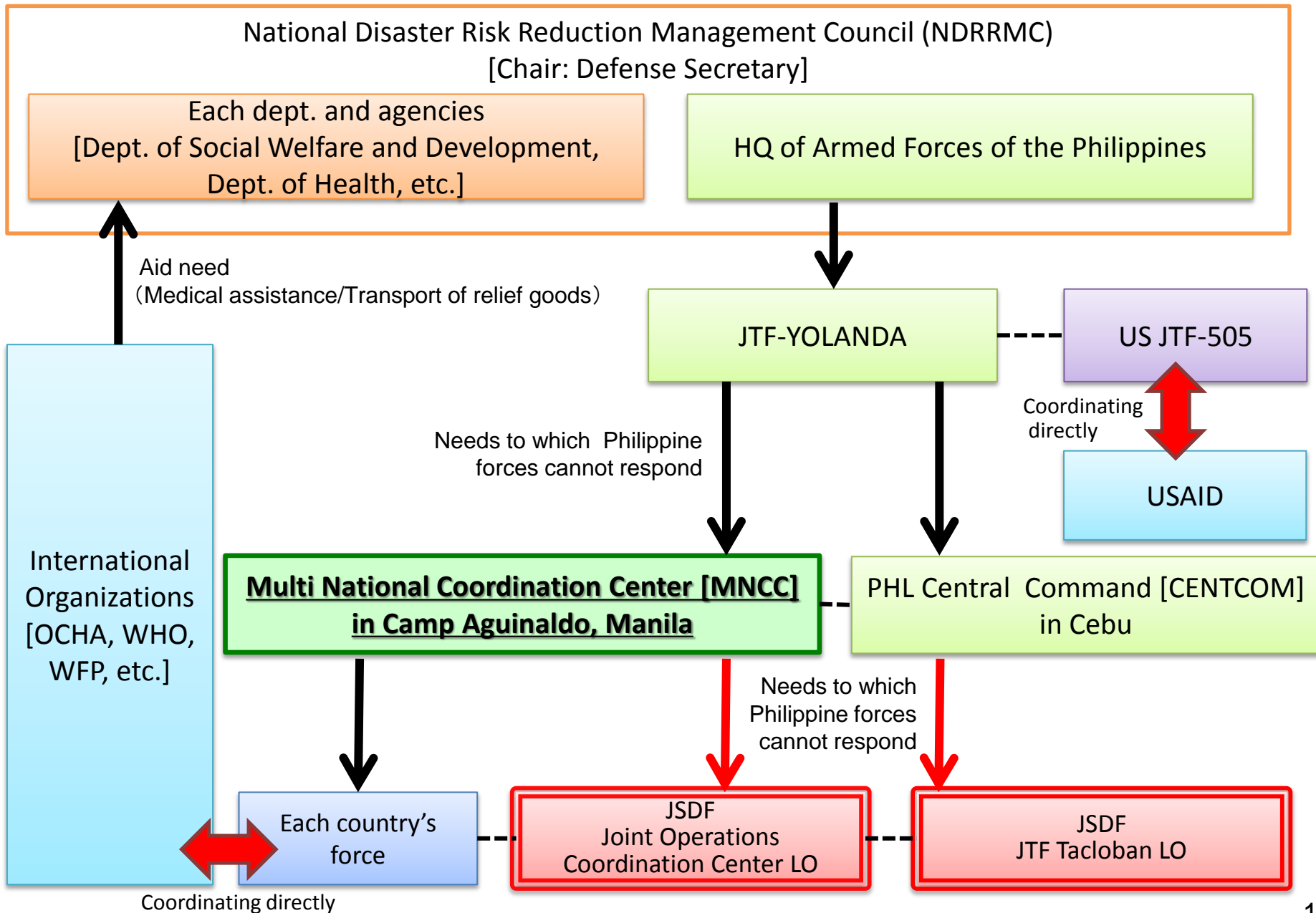


The MNCC and the foreign LOs to the Center



Mil-to-mil coordination among the officers of JPN, the US & AUS in Multi-National Coordination Center (MNCC)

# Mil-to-mil Cooperation in the MNCC, Camp Aguinaldo [2/2]



# On-Site Mil-to-mil Cooperation



Report by liaison officer of the Royal Navy on DDH ISE  
[dispatched from HMS ILLUSTRIOUS]



A PHL officer attending the MTG among COs of  
JMSDF and US Navy on DDH ISE



JASDF's C-130H filled with liquid oxygen provided by the US



RAS bet. JS TOWADA and HMAS TOBRUK

## On-site Civil-mil Cooperation among humanitarian community

### \* CIMIC activities conducted among JICA, NGOs and International Organizations

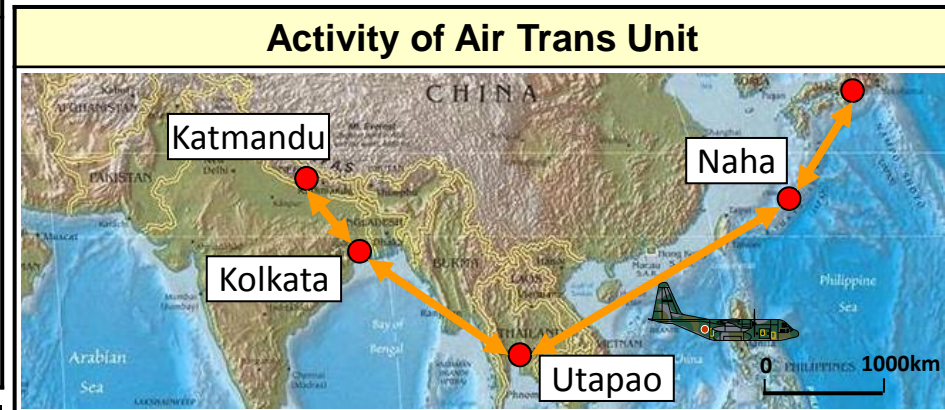
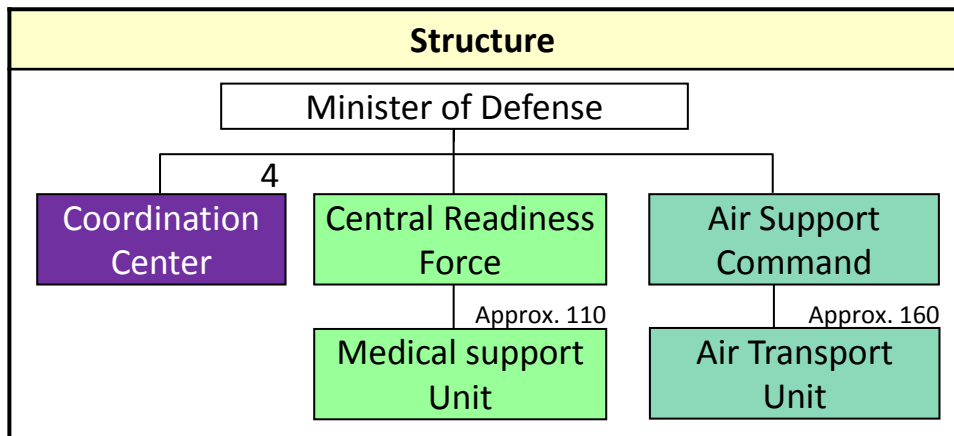
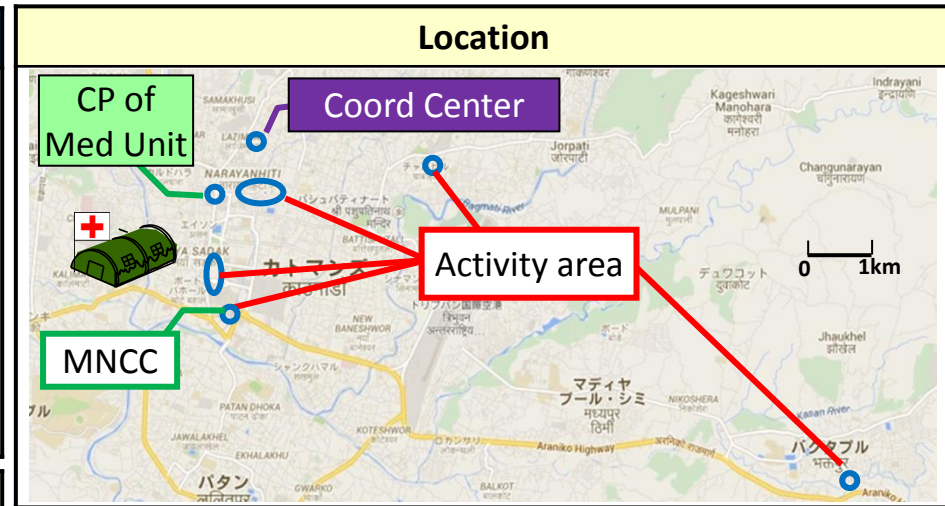
Through the coordination and exchange of views in the embassy of Japan in PHL, the base on site and the meeting hosted by IOs, the JSDF provided support as below;

- 1 Support by JASDF C-130H for the deployment of JICA's medical team between Manila and Tacloban
- 2 Support by JMSDF's SH-60J Helicopter for air surveillance of JICA's investigation team



# Overview: DR OPs for Nepal affected by earthquake

Date	Event
2015, Apr 25 <sup>th</sup>	7.8M earthquake occurred in Nepal
Apr 26 <sup>th</sup>	Dispatch MOD recce Team
Apr 28 <sup>th</sup>	Dispatch First Response Team
Apr 29 <sup>th</sup>	Airlift by C-130 (Japan to Katmandu)
Apr 30 <sup>th</sup>	Dispatch Medical Unit (approx. 110 members) Started the Medical Activity
Apr 30 <sup>th</sup> -May 19 <sup>th</sup>	Medical Activity (Mainly IVO Katmandu)
May 15 <sup>th</sup>	Epidemic Prevention
May 17 <sup>th</sup>	Lecture on PTSD in local university
May 19 <sup>th</sup>	Withdraw to Japan



Activity (Apr 30 <sup>th</sup> -May 19 <sup>th</sup> )		
Health	Treatment	Approx. 2,900 patient
	Epidemic	Suburb of Nepal
	Med Lecture	On PTSD ( Tribhuvan University )
Air lift [C-130]	Personnel	4 ( Medical Unit )
	Material	About 9.5t ( Med materials )





# DR activities for Nepal



**Relief facility in the field**



**Mobile Clinic**



**Cooperation in the MNCC**



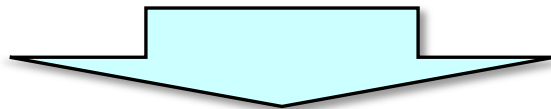
**Airlift activity by C-130H**

### ➤ **Coordination method:**

- JSDF sent an officer to Multi-National Coordination Center (MNCC) established by affected countries of the Philippines and Nepal (**mil-mil coordination**)
- JSDF members had several opportunities for information exchange with UNOCHA, WHO and other actors in the regional level where they are deployed (**civil-mil coordination**).

**- An MNCC is a body for mil-to-mil coordination**

**- Some kind of Civil-Mil coordination mechanism is necessary**



**An MNCC is a good model for mil-to-mil coordination;  
Civil-Military coordination expected through HuMOCC, e.g.**

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# Overview: SAR OPs for MH370 in Malaysia & Australia

P-3C from JMSDF

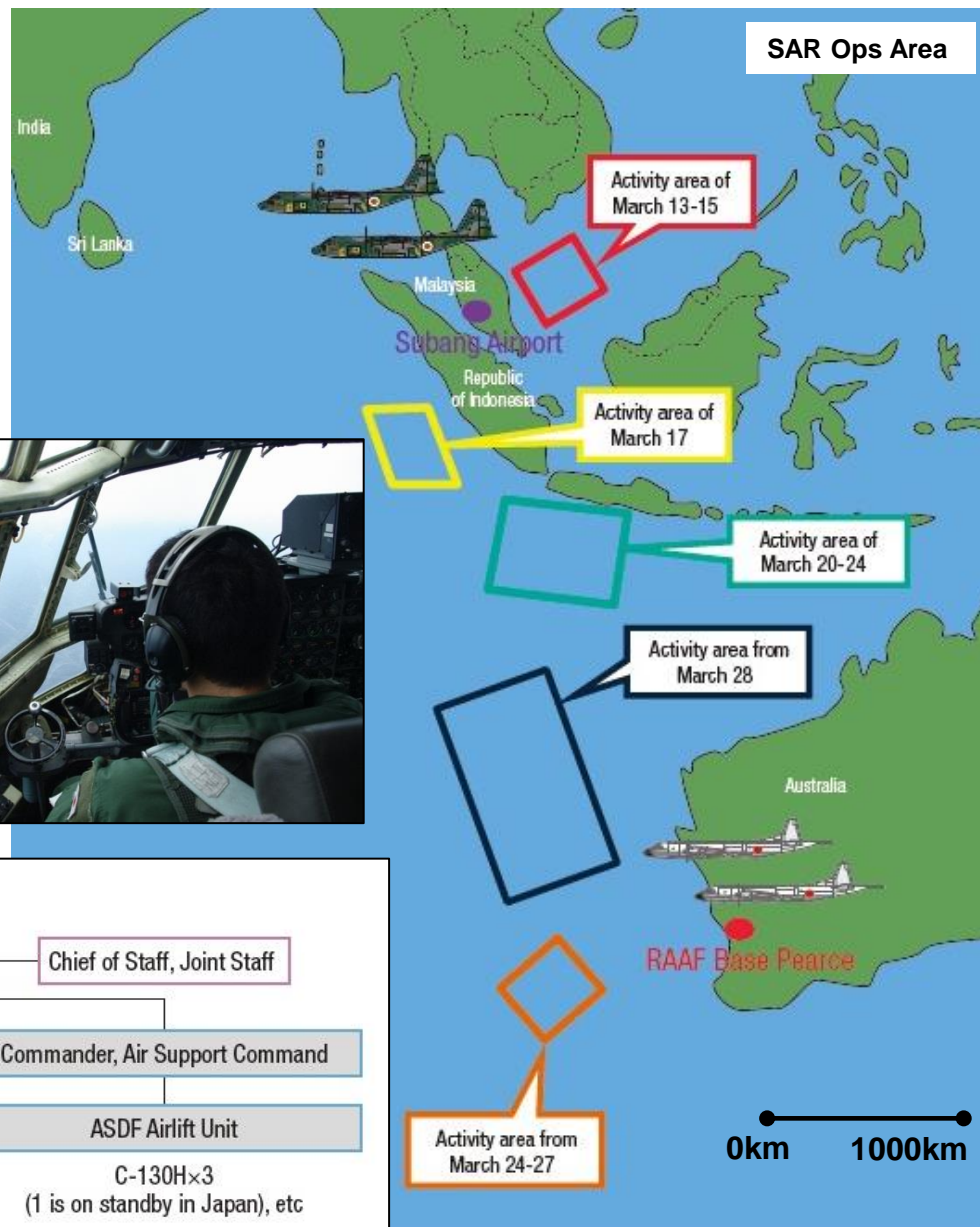


C-130H from JASDF



## [ MAR-APR 2014 ]

- P-3C x 2; C-130H x 3
- Approx. 400 hours
- 46 sorties



Minister of Defense

Chief of Staff, Joint Staff

Commander in Chief, Self Defense Fleet

Commander, Air Support Command

Joint Operations Coordination Center

MSDF Maritime Patrol Aircraft Unit

ASDF Airlift Unit

P-3C×2

C-130H×3  
(1 is on standby in Japan), etc

# Cooperation: SAR OPs for MH370 in Malaysia & Australia



JASDF officers coordinating the SAR areas with RMAF officers in Subang Airport



JMSDF crews talking with RAAF officers



JMSDF & RAAF officers talking in RAAF Pearce Base



A JMSDF crew with RAAF officers

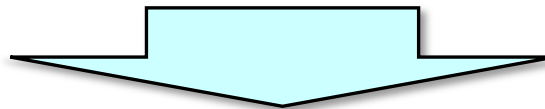
## Lessons Learned: SAR OPs for MH370

### ➤ **Coordination method in Subang / MYS:**

- P-3Cs JMSDF and C-130Hs JASDF coordinated well with their counterparts of RMAF (**mil-to-mil coordination**)
- In addition, the relevant staff of the Department of Civil Aviation supported their activities and made them smooth and effective (**civil-mil coordination**)

### ➤ **Coordination method in RAAF Pearce Airbase / AUS:**

- P-3Cs JMSDF coordinated well with their counterparts of RAAF (**mil-to-mil coordination**); RAAF coordinated with relevant organizations including AMSA(Australian Maritime Safety Authority)



**- RMAF & the Department of Civil Aviation are key actors**

**- RAAF is a single key actor for mil-to-mil coordination**

**2 typical good examples of Civil-Military Coordination**

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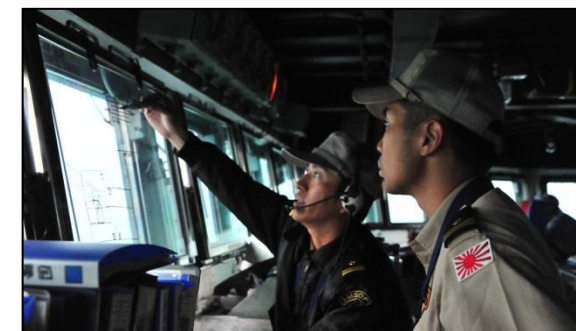
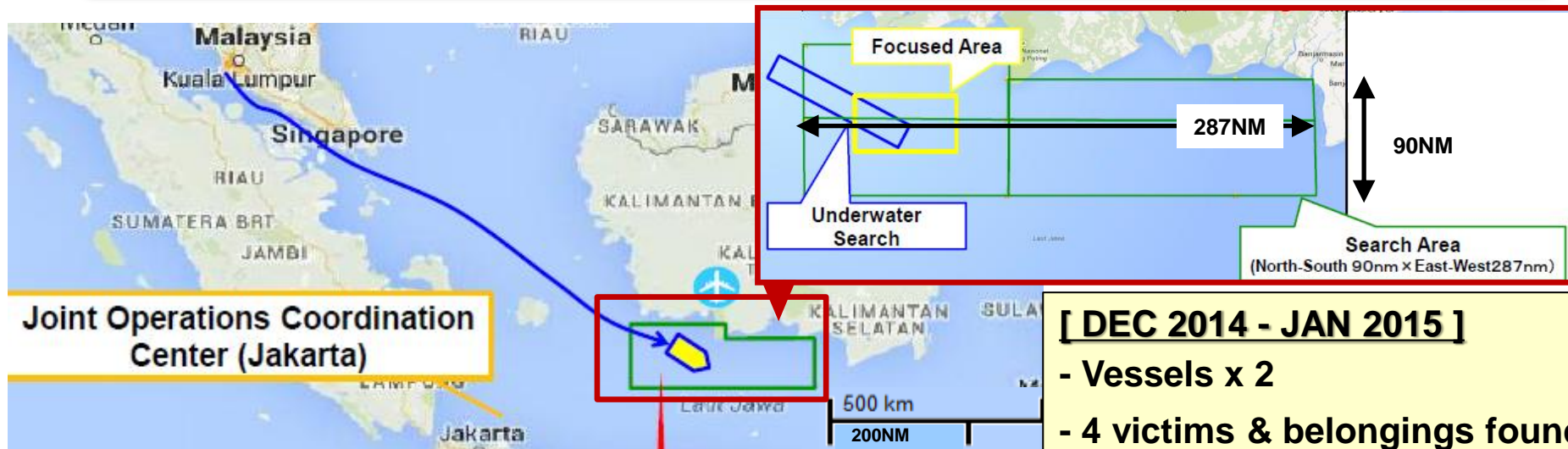
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# Overview: SAR OPs for QZ8501 in Indonesia





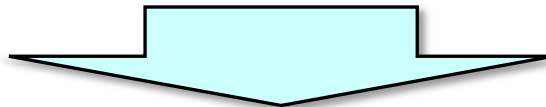
## Cooperation: SAR OPs for QZ8501 in Indonesia



### ➤ **Coordination method:**

- JSDF sent 3 officers directly to IDN National SAR Agency (BASARNAS) and arranged the SAR OP areas with the staff there and the crews on 2 vessels of JS Onami and JS Takanami; The RAAF also sent their officers (**civil-mil coordination**)
- Singapore sent their civilian staff from Civil Aviation Authority to BASARNAS (**civil-civil coordination**)

***BASARNAS is a single key actor for the coordination***



**A good example that GOVT's SAR Agency played a key role for Civil-Military Coordination**

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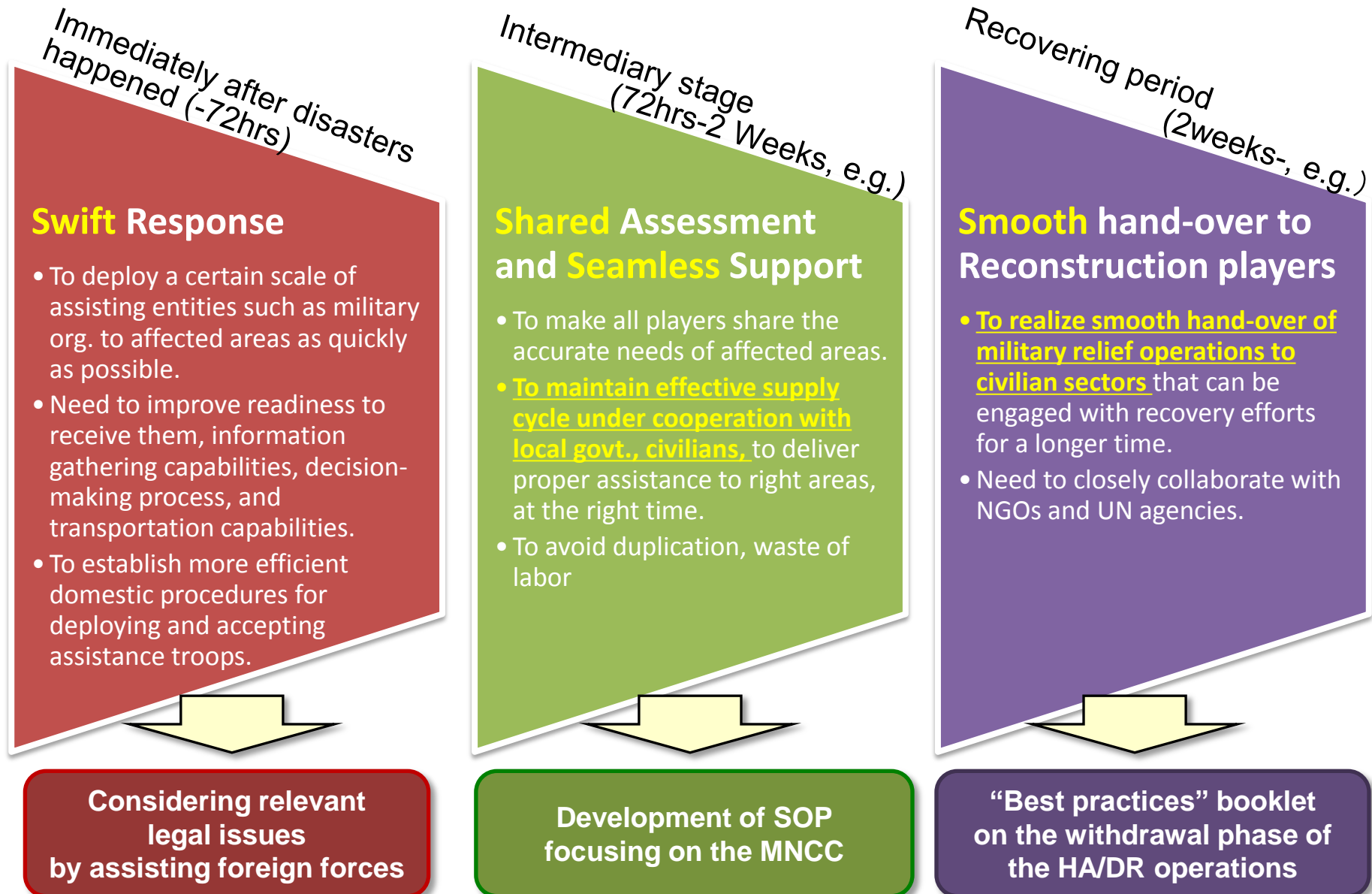
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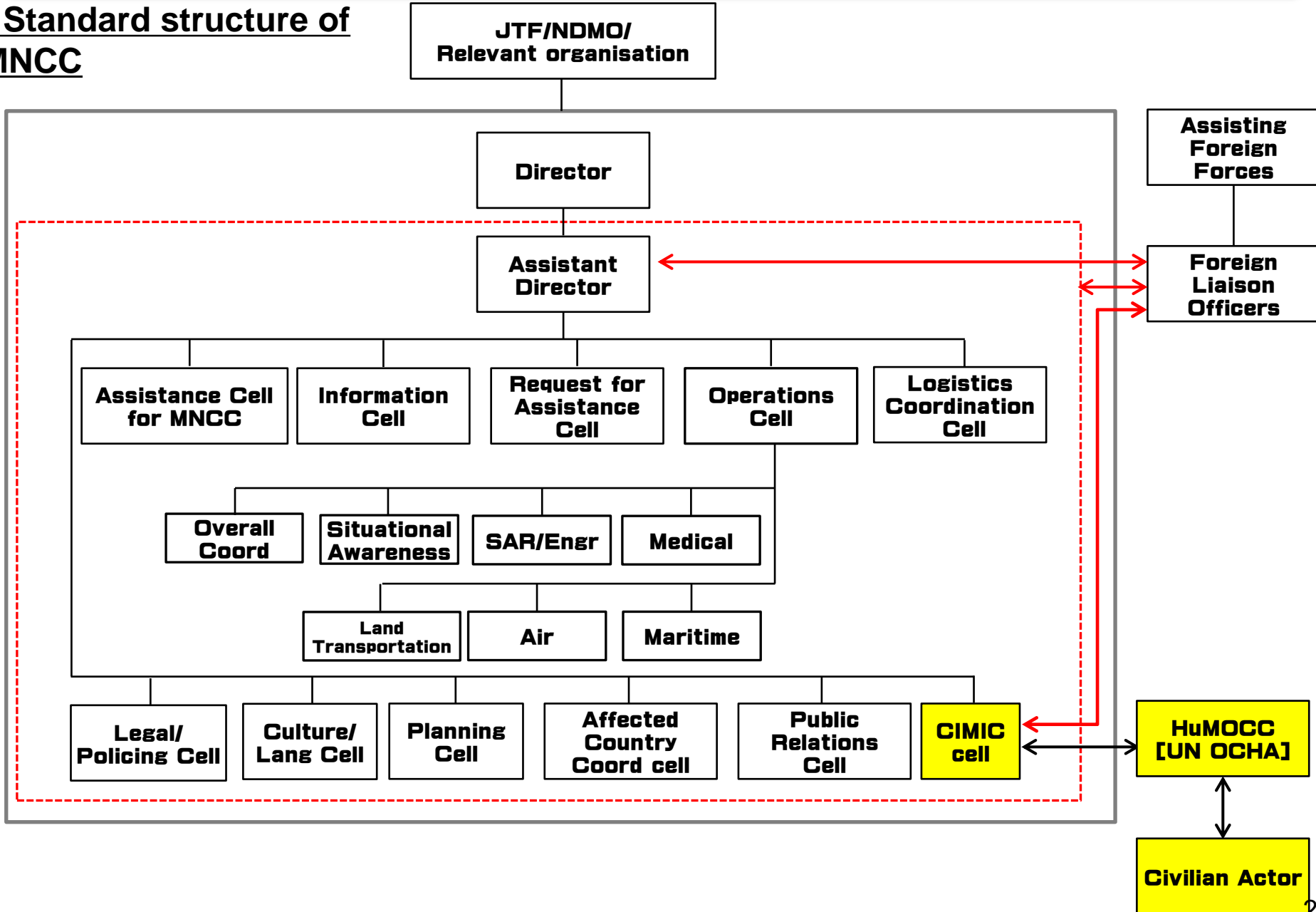
# Activities of ADMM-Plus HA/DR-EWG [1/3]

## - Work plan and the sequent activities in HADR EWG



# Activities of ADMM-Plus HA/DR-EWG [2/3]

\* Standard structure of MNCC



# Activities of ADMM-Plus HA/DR-EWG [3/3]

## Standard Operating Procedure for Regional Standby Arrangements and Coordination of Joint Disaster Relief and Emergency Response Operations [SASOP]

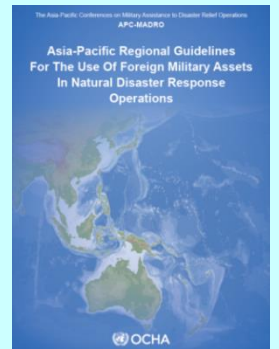
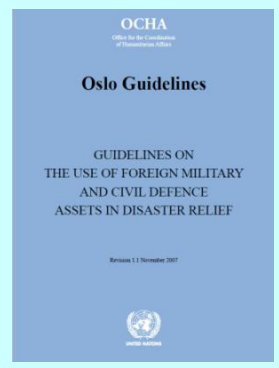
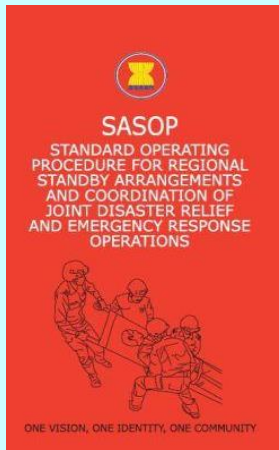
48. The Assisting Entity shall begin the withdrawal process from the disaster site when the Incident Manager of the Requesting or Receiving Party has determined and declared that either/or the critical situation arising from the disaster emergency is over, the risks faced by the Party arising from the disaster has been overcome, there is no subsequent immediate hazard foreseeable and when all or most of the victims of the disaster has been rescued.
49. The Assisting Entity shall also liaise with the Incident Manager of the Requesting or Receiving Party for the withdrawal of its team/s from the operations when its resources and assets available for effective disaster relief and emergency response have been depleted due to prolonged use during the relief operations. The Assisting Entity shall update the AHA Centre of this development through the NFP.

## Guidelines on The Use of Foreign Military and Civil Defence Assets In Disaster Relief [Oslo Guideline]

99. When military forces have assumed responsibility for vital civilian functions, such as delivery of water, provision of power, or the safe operation of an airfield, regardless of how this responsibility was acquired, they will facilitate a smooth transfer of these functions to the appropriate civilian authority, in coordination with the UN Humanitarian Coordinator/Resident Coordinator and/or Local Emergency Management Authorities (LEMA), and as soon as possible. This will be done in a timely manner, well prior to terminating this support, to ensure that any disruption of services will not have an adverse impact on relief and recovery activities.

## Asia-Pacific Regional Guidelines For The Use Of Foreign Military Assets In Natural Disaster Response Operations [APC-MADRO]

8. Military Assistance: Foreign military assets should be seen as a tool complementing existing relief mechanisms in order to provide specific support. Therefore, they will normally be used when there is no comparable civilian alternative assistance available at the time and location needed and when only the use of military assets can meet a critical humanitarian need. In addition, any use of foreign military assets should be clearly limited in time and scale and present an exit strategy.



## A speech by Mr. Nakatani, Minister of Defense Japan

[ A proposed idea ]

- Wider promotion of common rules and laws at sea and in the air in the region
- Maritime and aerospace security
- **Improvement of our disaster response capability**



*“Japan attaches great importance to enhancing disaster response capability of the region as a whole, by synergizing the regional disaster prevention bases”*

*“we believe we need our military authorities to study how we can further streamline procedures for rapid deployment of aircraft carrying emergency relief to disaster-stricken”*

***“New forms of security collaboration in Asia”:***

***14<sup>th</sup> Asia Security Summit, the IISS Shangri-La Dialogue (30 May 2015),***