

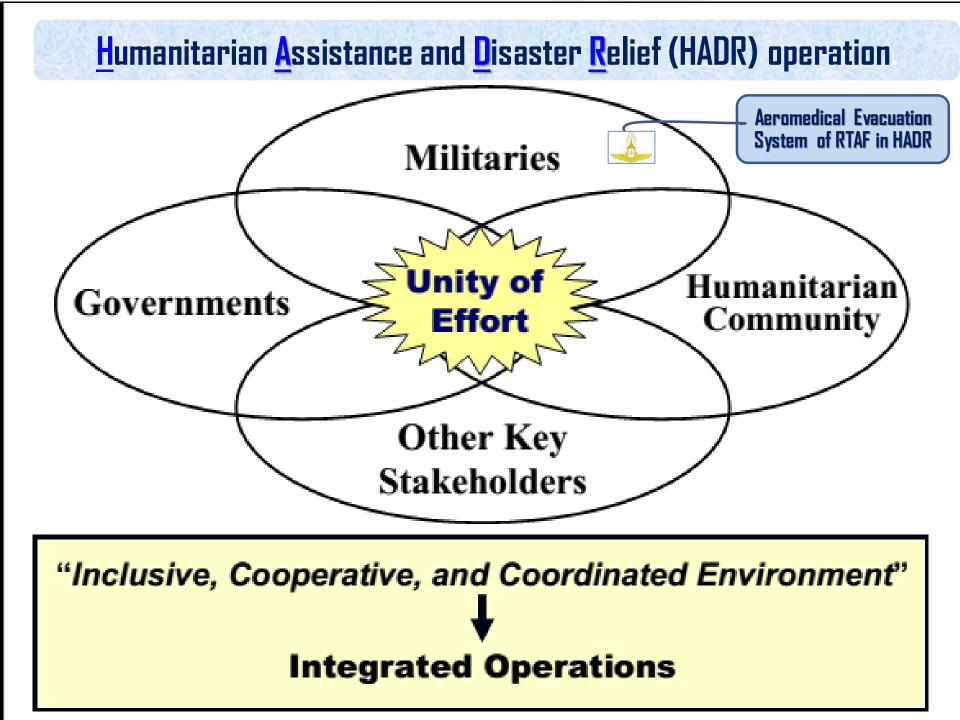
Gp. Capt. Bussakorn Pamorn ; MD



<u>Scope</u> 1. Introduction

2. Composition

Aeromedical Evacuation Operation
 4. Experience of AE operation in HADR



Disasters

Destroy our property, and harm our populations.
 Incapacitate hospitals and definitive care facilities.

Aeromedical Evacuation and Disaster response: Disability & save lives

 The good capability of moving large numbers of complex patients over long distances in short period of time.

The time saving factor

Patient selection and preparation
 :- Key elements in safe patient movement by air asset.

Stabilized patients movement
 (Airway protected, Breathing, and Circulation controlled)

- Specialized Airworthiness medical equipment
 Well-trained Aeromedical evacuation crews for
 - Clearance Patient for AE ,
 - ✓ Inflight MX
 - \checkmark Specific aspects
 - The effects of altitude(Stress of flight.
 - Physical characteristics and limitation of the aircraft environment.
 - Psychological effects of flight.

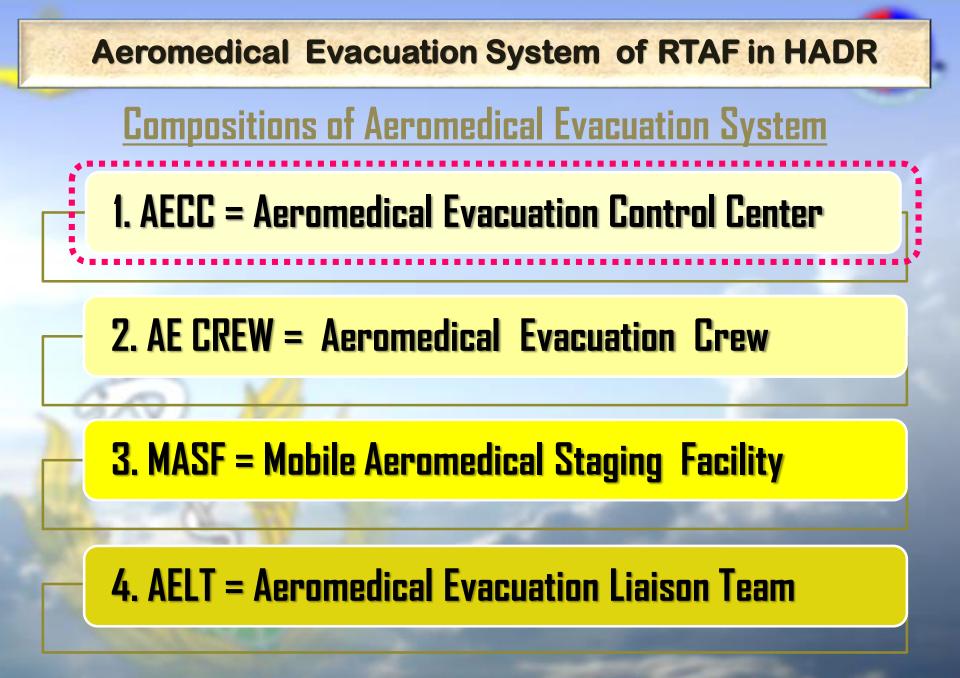


<u>Scope</u> 1. Introduction

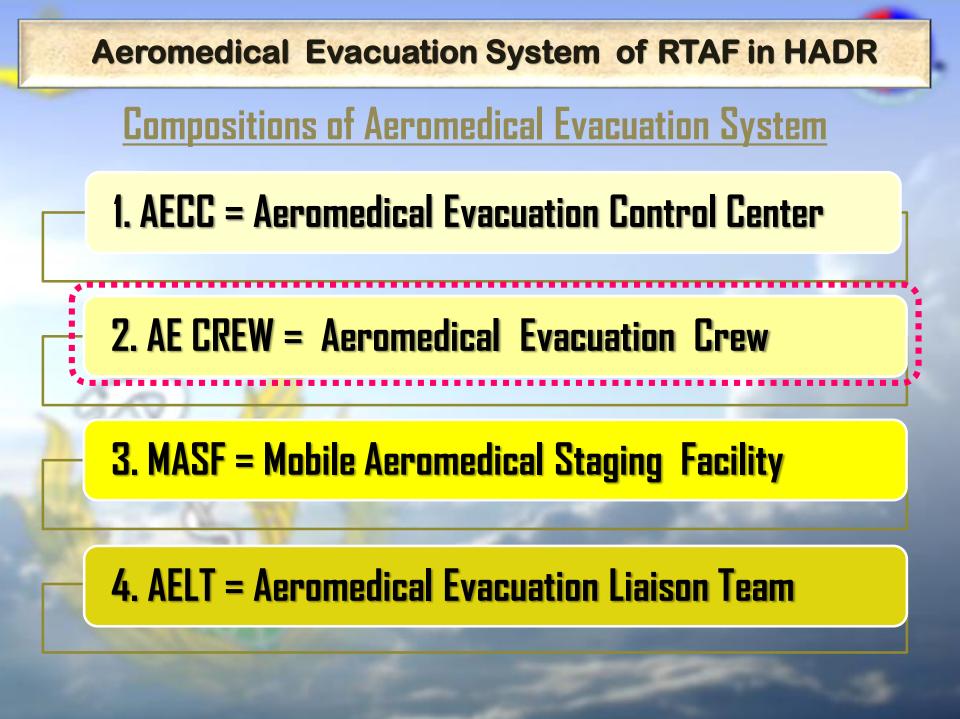
2. Composition

3. AE Operation

4. Experience of AE operation in HADR



Aeromedical Evacuation System of RTAF in HADR I. AECC :- Aeromedical Evacuation Control Center Command and control element of the AES. Coordinating airlift, Validating patient requirements. Anerewmenseemen Ensuring adequate logistical support **Coordinate and supervise** all AE missions.

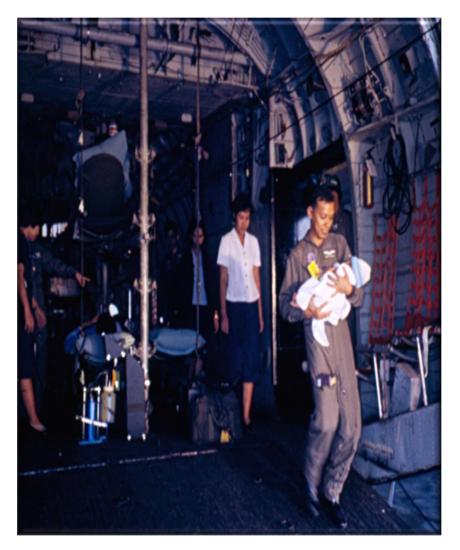


II. <u>AE Crew :- Aeromedical Evacuation Crew</u>

Consists of experts in aeromedical transports
 1 Flight surgeon
 1 Flight nurse
 2 AeroMedical Technicians.

Provide in-flight patient care on any aircrafts.

II. <u>AE Crew :- Aeromedical Evacuation Crew</u>

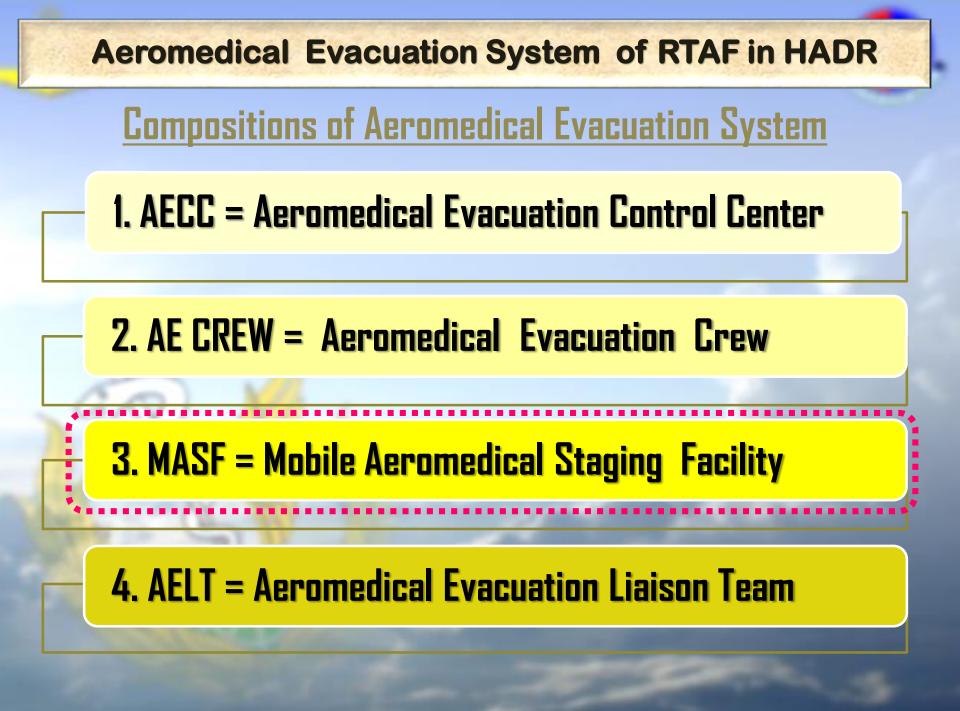




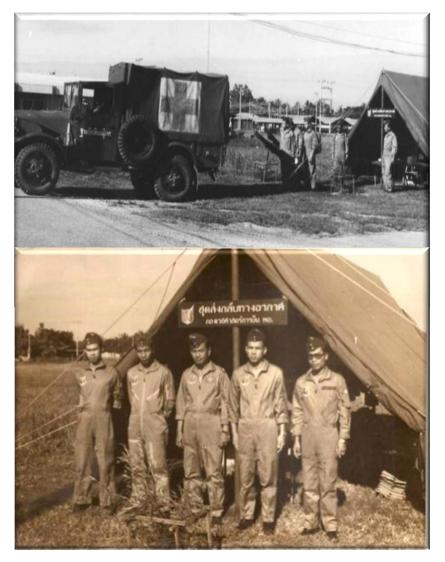
II. <u>AE Crew :- Aeromedical Evacuation Crew</u>

- Knowledge:
 - Aviation Physiology, Flight Nurse
 Oliminal PLS ACLS ATLS
 - ✓ Clinical:BLS,ACLS, ATLS
 - Aeromedical evacuation system
- o Team work :-CRM
- Safety-themselves-patients
- Self-imposed stress

→ fit to fly (IAM SAFE)



Mobile Aeromedical Staging Facility (MASF)







Mobile aeromedical staging facilities (MASF)
 Air transportable holding facilities.
 Equipped and staffed to receive patients, sustain life, and administratively process patients who are to be moved in the AES.





III. MASF = Mobile Aeromedical Staging Facility
MASF team (Mobile Aeromedical Staging Facility Team)

PFA team (Psychological First Aids Team)







MASF

MASF team

PFA team



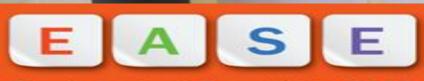
M&SF UNIT &ND M&SF TE&M

M&SF UNIT &ND M&SF TE&M

MASF team :-Assess,stabilize,stage for furture airlift.

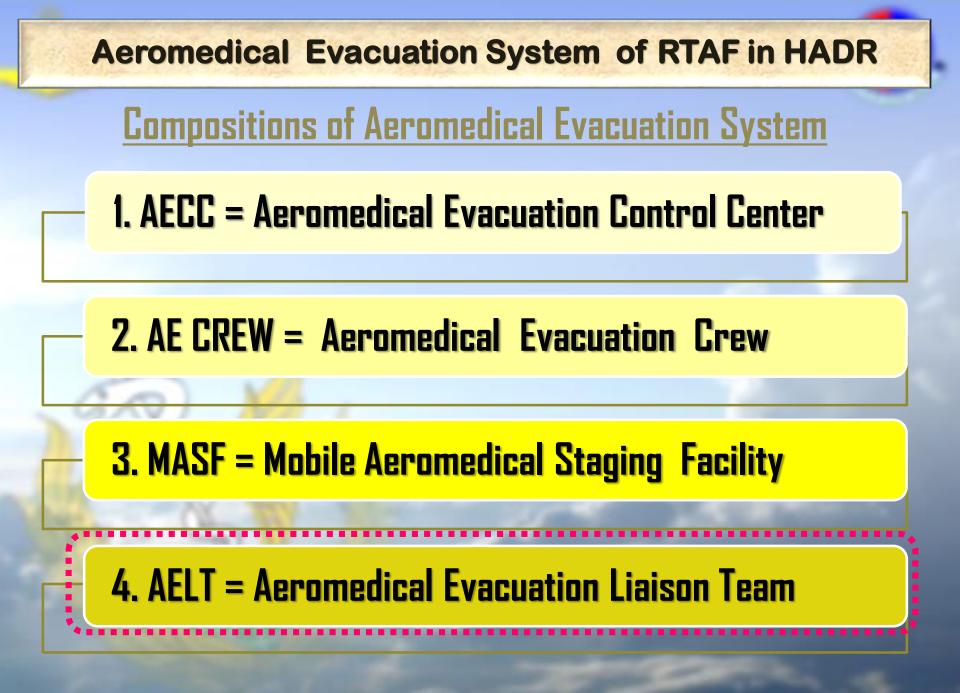
MASF UNIT AND PFA TEAM

RTAF



Psychological First Aid : EASE

PFA team :-Providing basic psychological support to victims in Disaster/traumatic events



IV. AELT = Aeromedical Evacuation Liaison Team

- Insure a smooth patient flow into the AES.
 Provide initial clinical consultation and radio communication to the AECC and the MASF.
 - Relay patient requirements both in number and specific care needs to the AECC.
 - Acting as the flight clinical co-ordinator.

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3. AE Operation

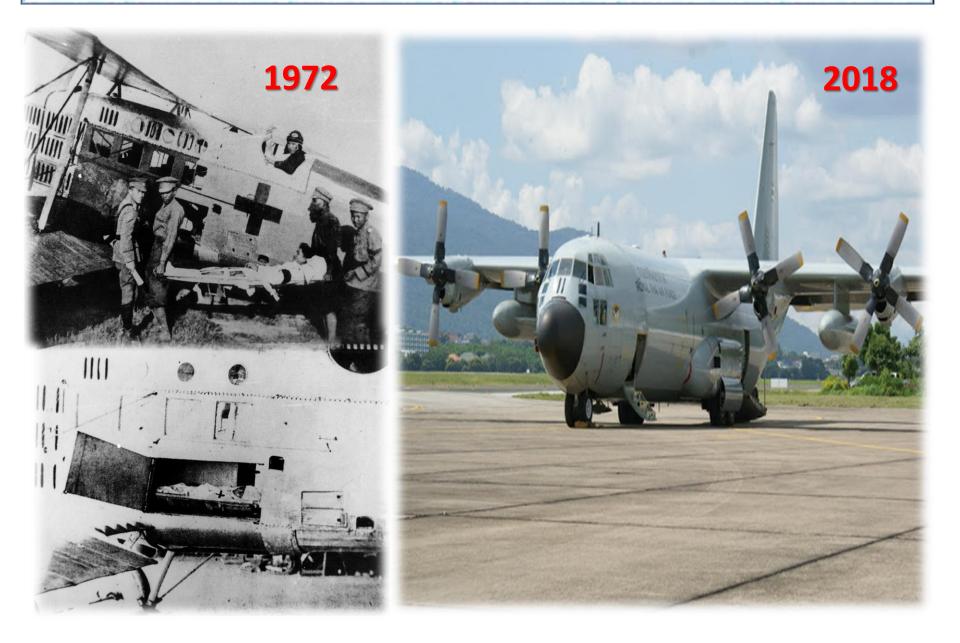
4. Experience of AE operation in HADR



AEROMEDICAL EVACUATION OPERATION



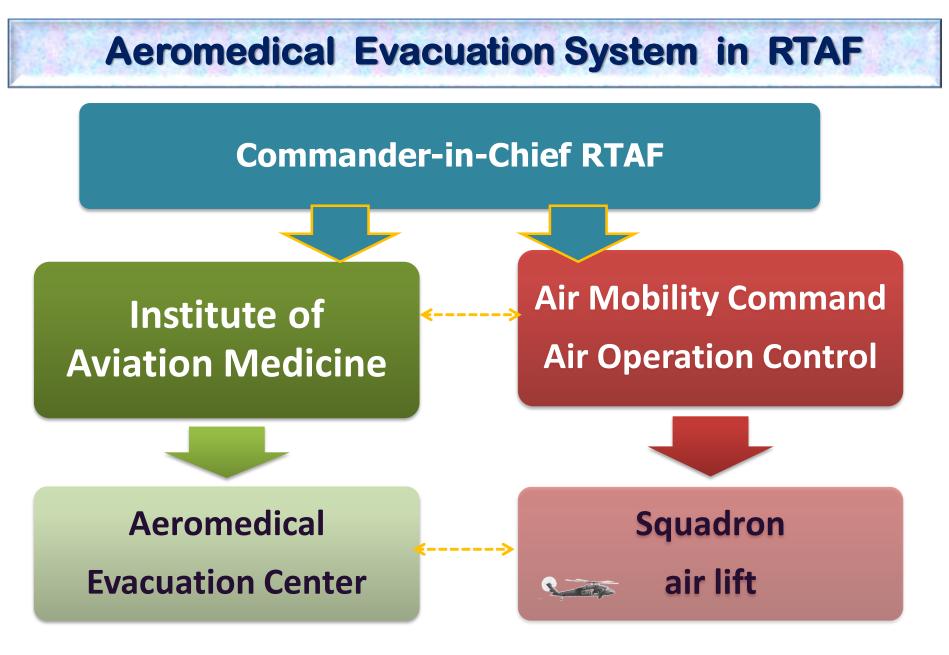
Aeromedical Evacuation System in RTAF



Aeromedical Evacuation System in RTAF

□ The C-130 Hercules



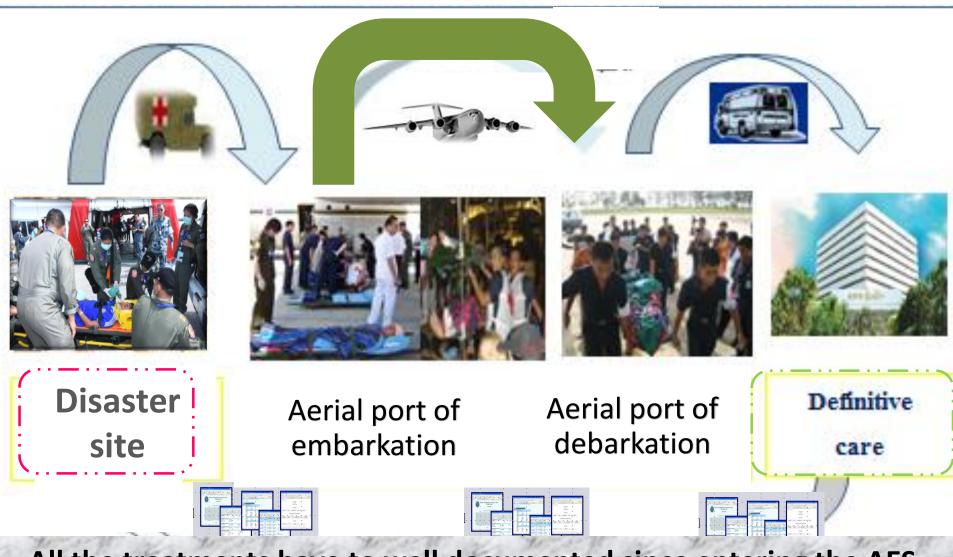


Aeromedical evacuation control

Aircraft control

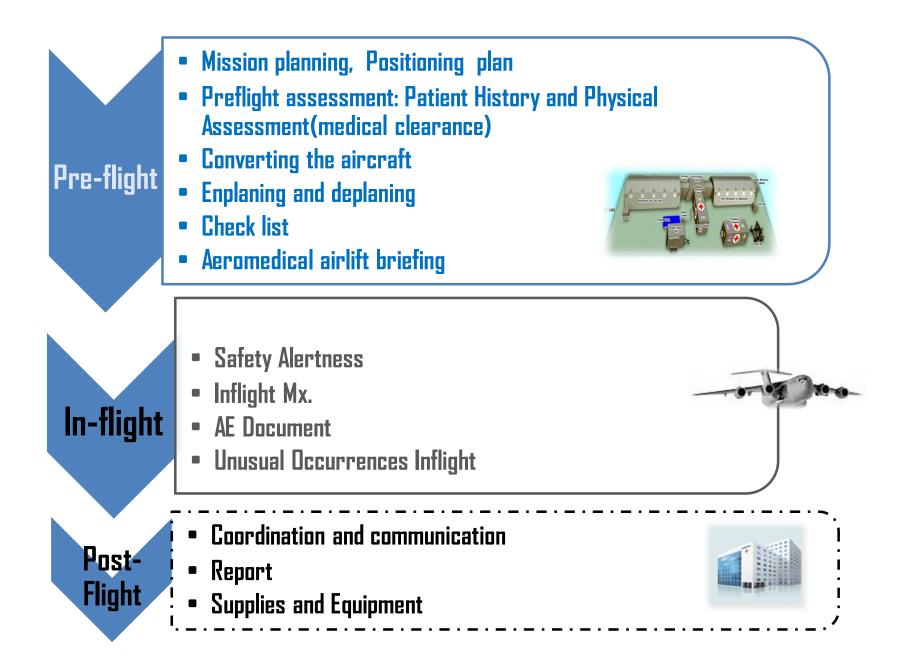


Aeromedical Evacuation System in RTAF



All the treatments have to well documented since entering the AES, during the flight and confirmed received by the destination hospital.

Aeromedical Evacuation System in RTAF



Line of co-ordination of air operation and medical services (HADR)



- <u>Scope</u> 1. Introduction
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- **3.** Operation

4. Experience of AE operation in HADR

Experience of AE operation in HADR

- 1921:Cholera Outbreak in Ubon Ratchathani;Thailand.
- 2004: Tsunami in the southern part of Thailand.
 - 2006: Northern Thailand's big botulism outbreak.
- 2011:Flood in Bangkok

2016: The ASEAN Defence Ministers' Meeting (ADMM)-Plus
 Military Medicine (MM) and Humanitarian Assistance and
 Disaster Relief (HADR) Exercise

2018:Subject Matter Expert Exchange:USAF and RTAF



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Aeromedical Evacuation System in RTAF

<u>RTAF's AES</u> future planning:

 Full system rehearsal both deploy and operate MASF at RTAF base/ non RTAF base.

Finding out and solving the problem and difficulty in the future operation.



Aeromedical Evacuation System in RTAF

RTAF's AES future planning:

 Full system rehearsal both deploy and operate MASF at ASEAN base

- Co-ordinate with other countries for HADR activities.
- Establish International
 Standard Operation Procedures
 (SOP) Of AE in HADR



Thank you for your attention

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The International Congress of Aviation.