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“EM-COMM” amateur radio role in disaster relief.

SEANET 2014 CONVENTION

Sanur, 14 November 2014



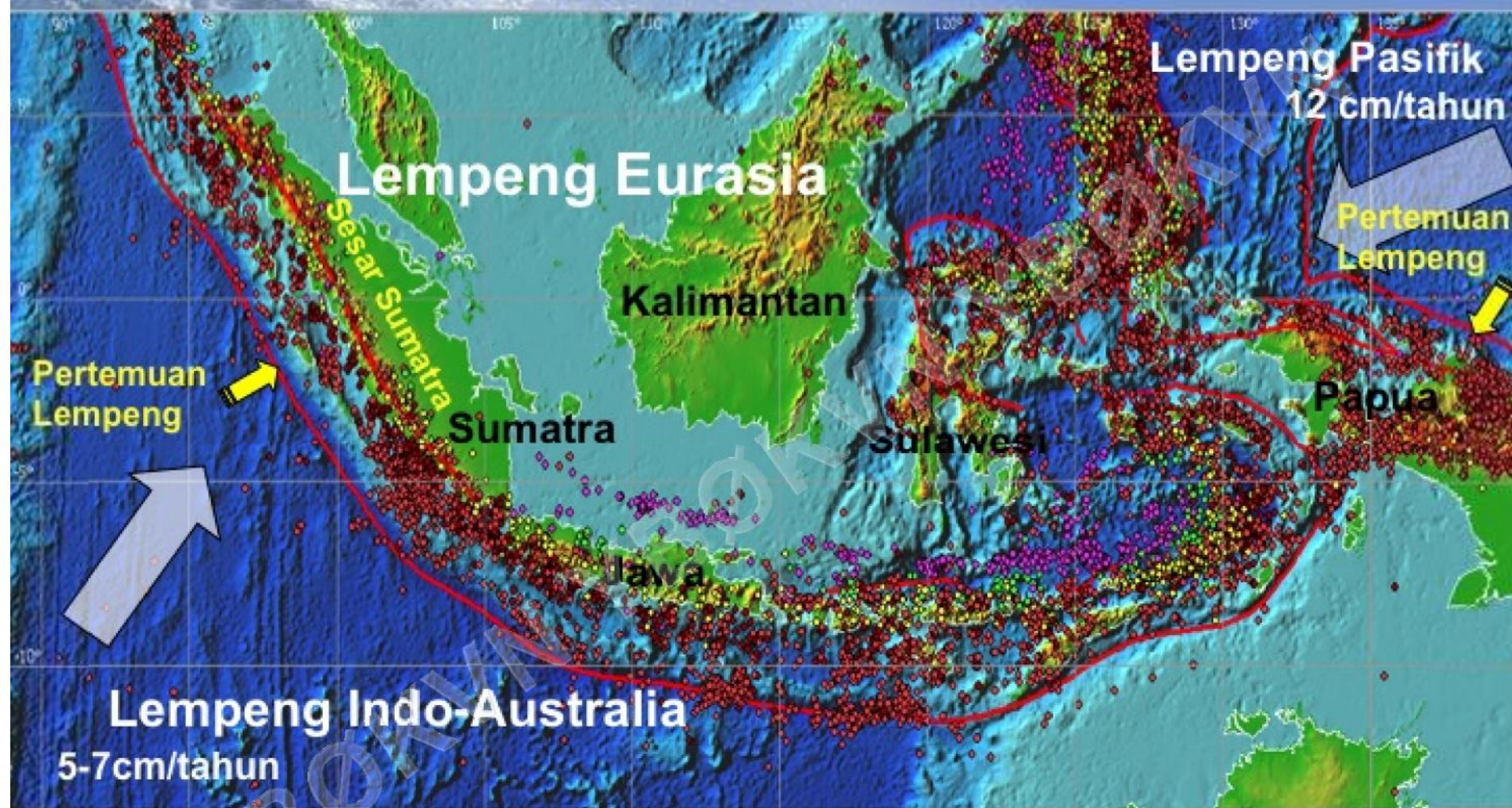
EMERGENCY COMMUNICATION (EmComm)

- ORARI member is a National Resources as the Communication Reserve Officer.
- Voluntarily involves in the public service when disaster strikes.

“**Amateur Radio** activities could be used to convey disaster, SAR and other humanitarian messages”

Government Regulation: PP No.52/ 2000 on Telecommunications

AKTIVITAS GEMPA BUMI DI INDONESIA



Kedalaman :

- | | |
|--------------|--------------|
| ● < 50 Km | ● 200-300 Km |
| ● 50-100 Km | ● > 300 Km |
| ● 100-200 Km | |

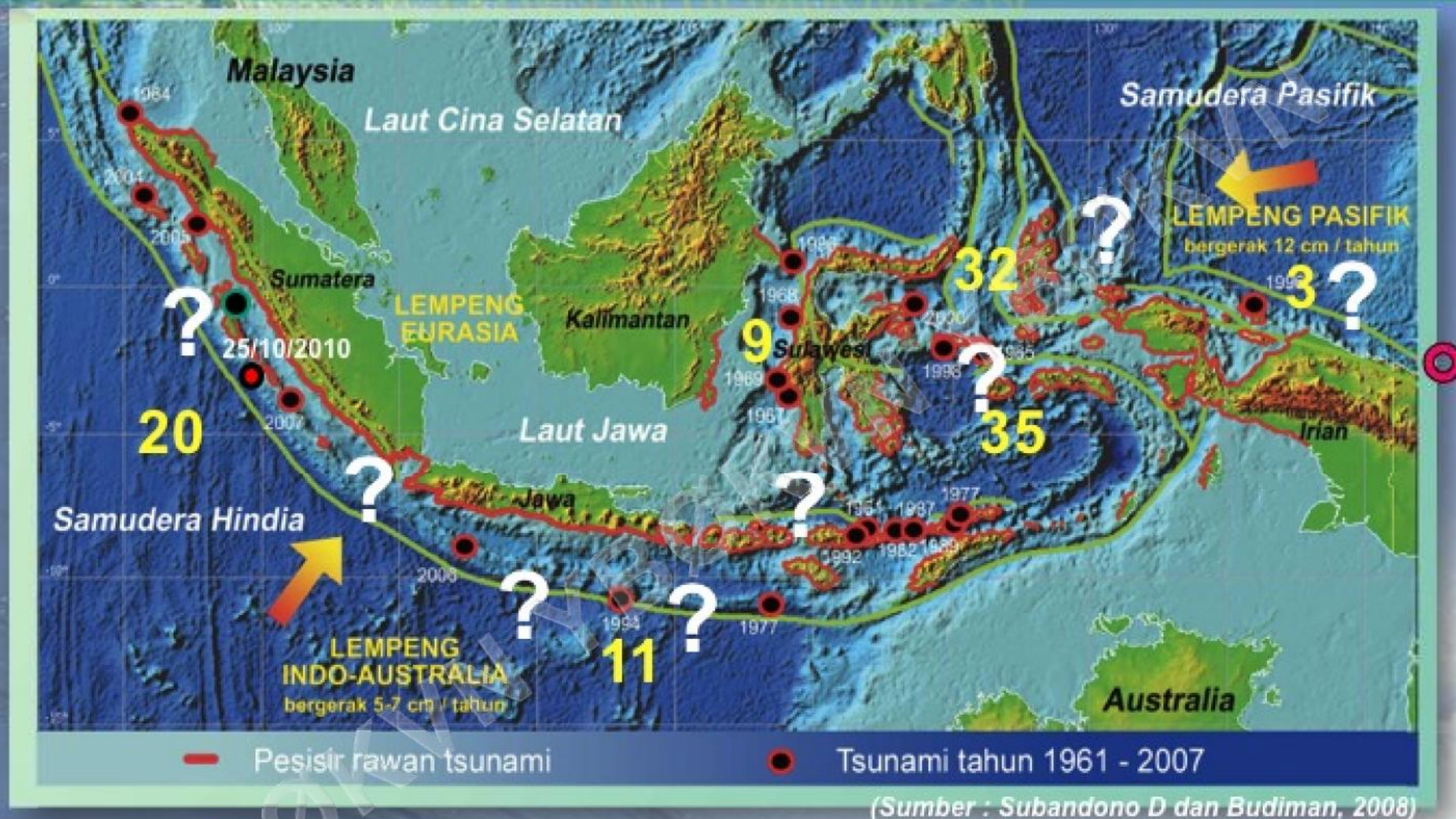


JAN 2013

ANCAMAN GEMPA BUMI DAN TSUNAMI DI WILAYAH INDONESIA

Subandono³KKP

PESISIR RAWAN TSUNAMI DI INDONESIA



Dari 1600 – Oktober 2012 terjadi 110 tsunami !



JAN 2013

ANCAMAN GEMPA BUMI DAN TSUNAMI DI WILAYAH INDONESIA

Subandono -⁴KKP

ANCAMAN GEMPA DAN TSUNAMI DI SUMATERA BARAT

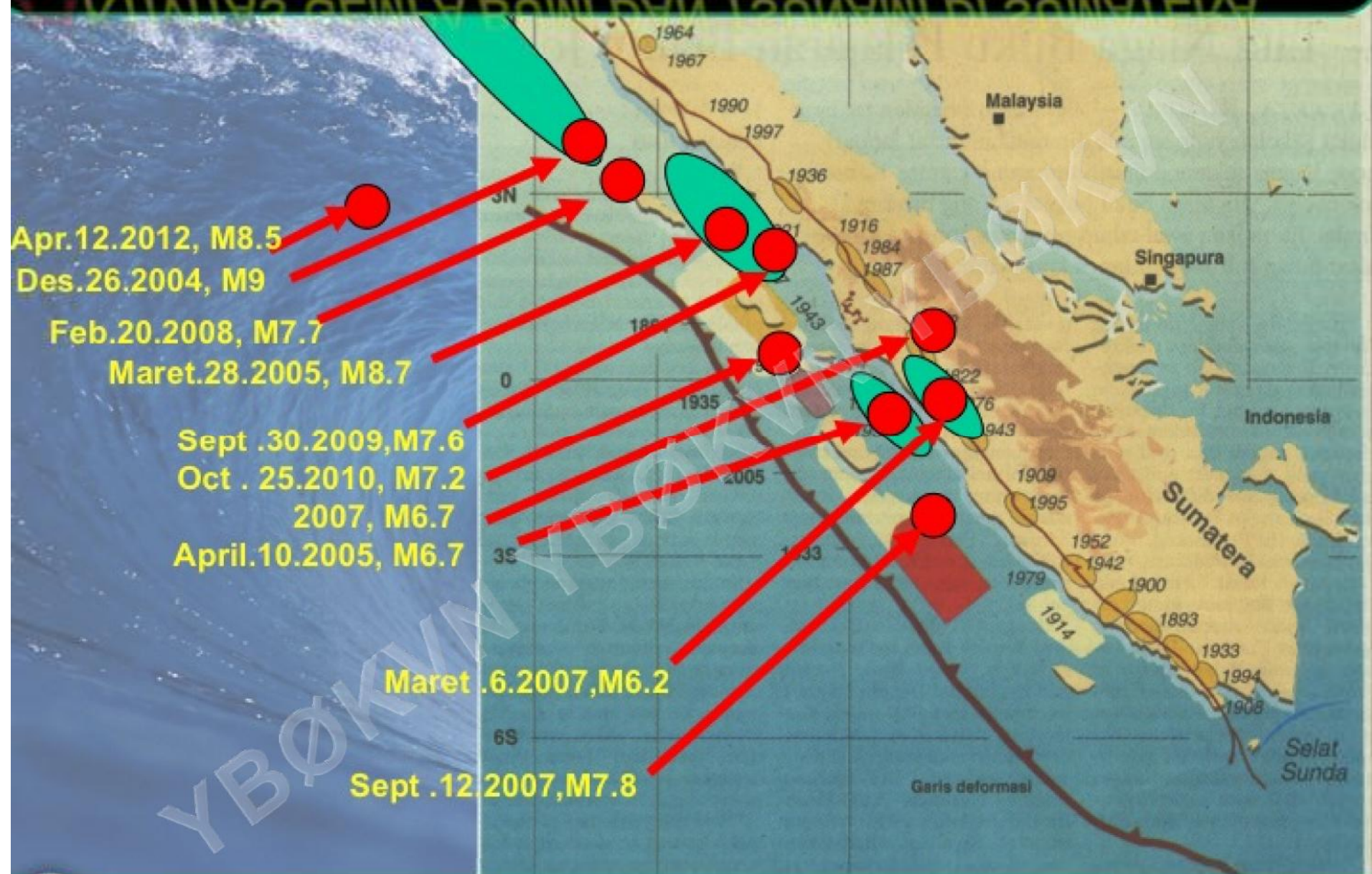


Ini sepertinya AKAN TERJADI di masa yang akan datang
Pertanyaannya adalah KAPAN?
dan APA YANG DAPAT KITA LAKUKAN !!!

Dani Hilman N (2005), dimodifikasi oleh Subandono 2012



AKTIVITAS GEMPA BUMI DAN TSUNAMI DI SUMATERA



“CORE ORARI”

Programme Activity developed as a form of ORARI support in the public service



**KEPUTUSAN KETUA UMUM
ORGANISASI AMATIR RADIO INDONESIA
Nomor : KEP-068/OP/KU/2009
TENTANG
PEDOMAN PENYELENGGARAAN
COMMUNICATIONS AND RESCUE (CORE) ORARI**



Nov 3, 2012



ORARI Pusat/ YBOKVN/ CORE SRC-PB
Kominfo



Nov 3, 2012

ORARI Pusat/ YBOKVN/ CORE SRC-PB
Kominfo

POWER SOURCES



Nov 3, 2012

ORARI Pusat/ YBOKVN/ CORE SRC-PB
Kominfo



Nov 3, 2012

ORARI Pusat/ YBOKVN/ CORE SRC-PB
Kominfo

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“CORE Task Force ORARI” (SATKOR ORARI)

Developed to manage
“CORE” (*Communications & Rescue*) ORARI
activities.





BASIC SKILLS

- Emergency Station Equipment and Set-up
- Message Handling & Digital Operation
- Disaster Management & Operation



MANAGERIAL SKILL

- Central/ Command Post
- Net Control Station
- Advance Team
- Interpersonal comm



TECHNICAL SKILL

- Assessment
- SAR
- Medical First Responder
- Survival
- Navigation
- Pioneering Projects
- Photo-Journalism
- Report writing



Public Service

- **Emergency Communication**
 - **SEARCH AND RESCUE (SAR)**
 - **DISASTER RELIEF**
 - **OTHER HUMANITARIAN ACTIVITIES**
- **EVENT**

Aidil Fitr, Christmas & New Year Eve; National Olympic; General Election; Jamboree On The Air (JOTA); Scout Jambore & Rover Moot, etc
- **EXPEDITION**

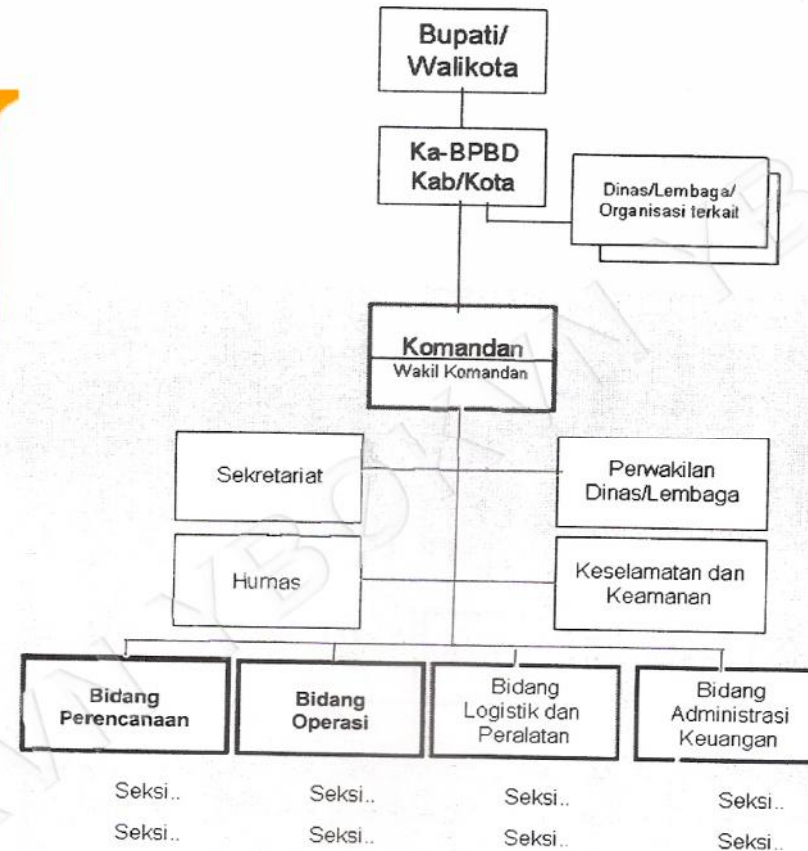
Wallace, Cartenz, etc

“CORE Unit ORARI”

Part of CORE Task Force (SATKOR ORARI)
embedded in the public service agency to
provide communications support.



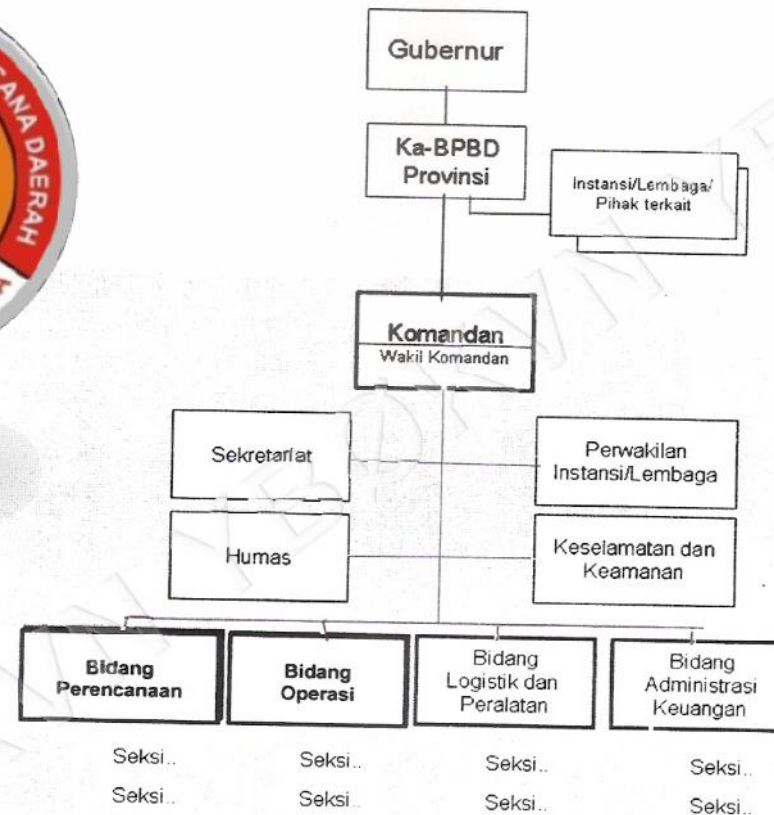
**STRUKTUR ORGANISASI
KOMANDO TANGGAP DARURAT BENCANA
TINGKAT KABUPATEN/KOTA**



KETERANGAN:

_____ : Jalur Komando

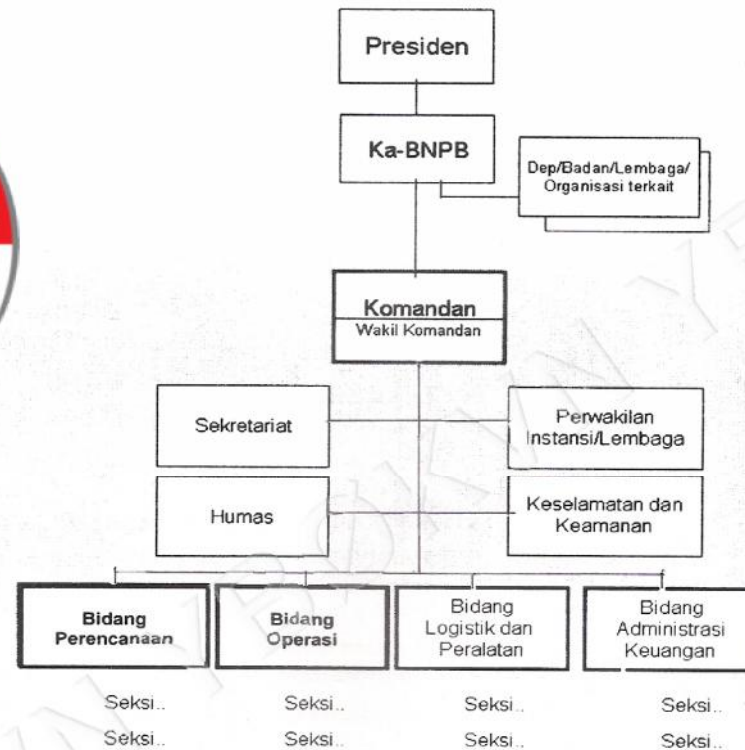
**STRUKTUR ORGANISASI
KOMANDO TANGGAP DARURAT BENCANA
TINGKAT PROVINSI**



KETERANGAN:

_____ : Jalur Komando

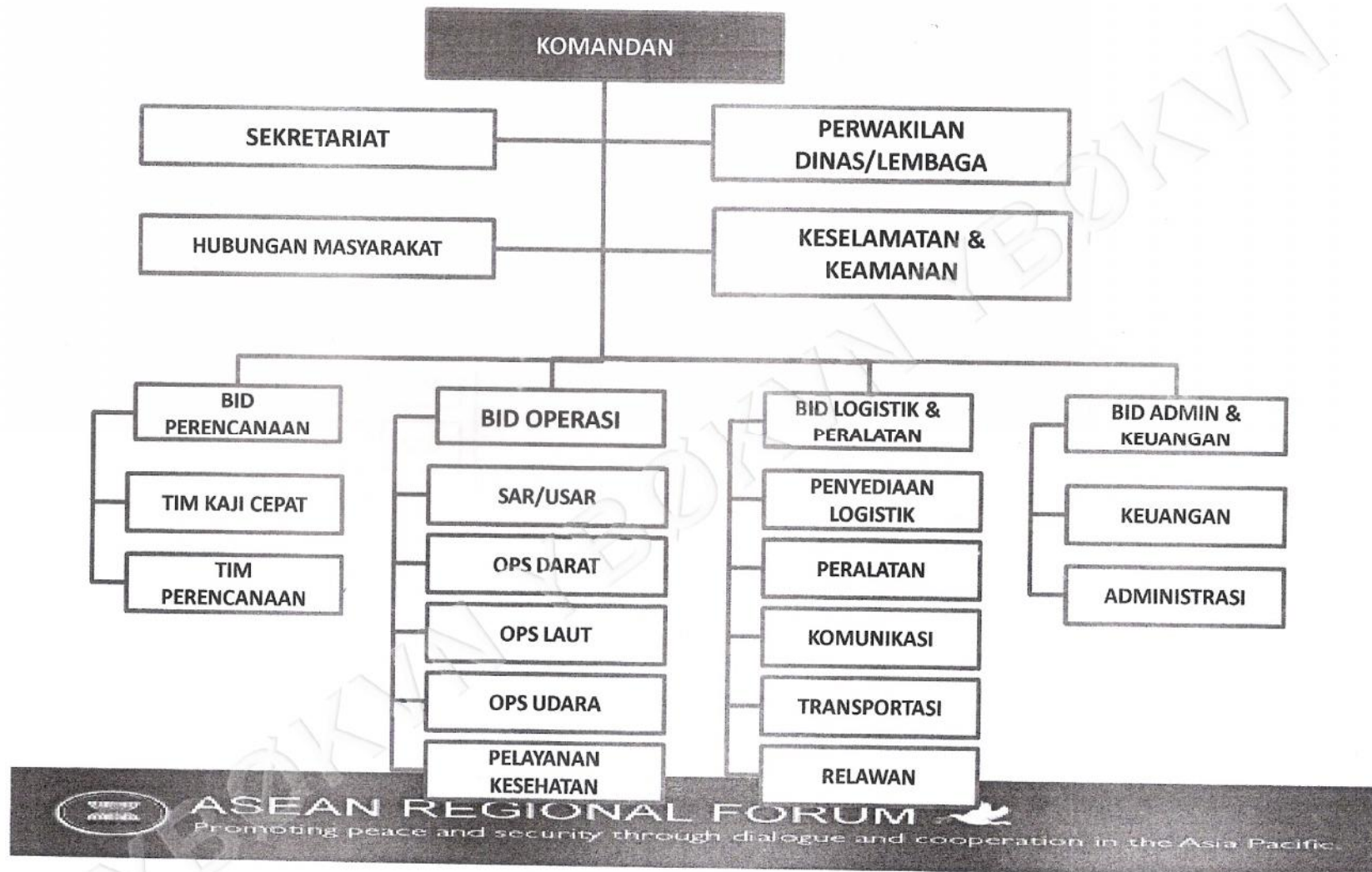
STRUKTUR ORGANISASI
KOMANDO TANGGAP DARURAT BENCANA
TINGKAT NASIONAL



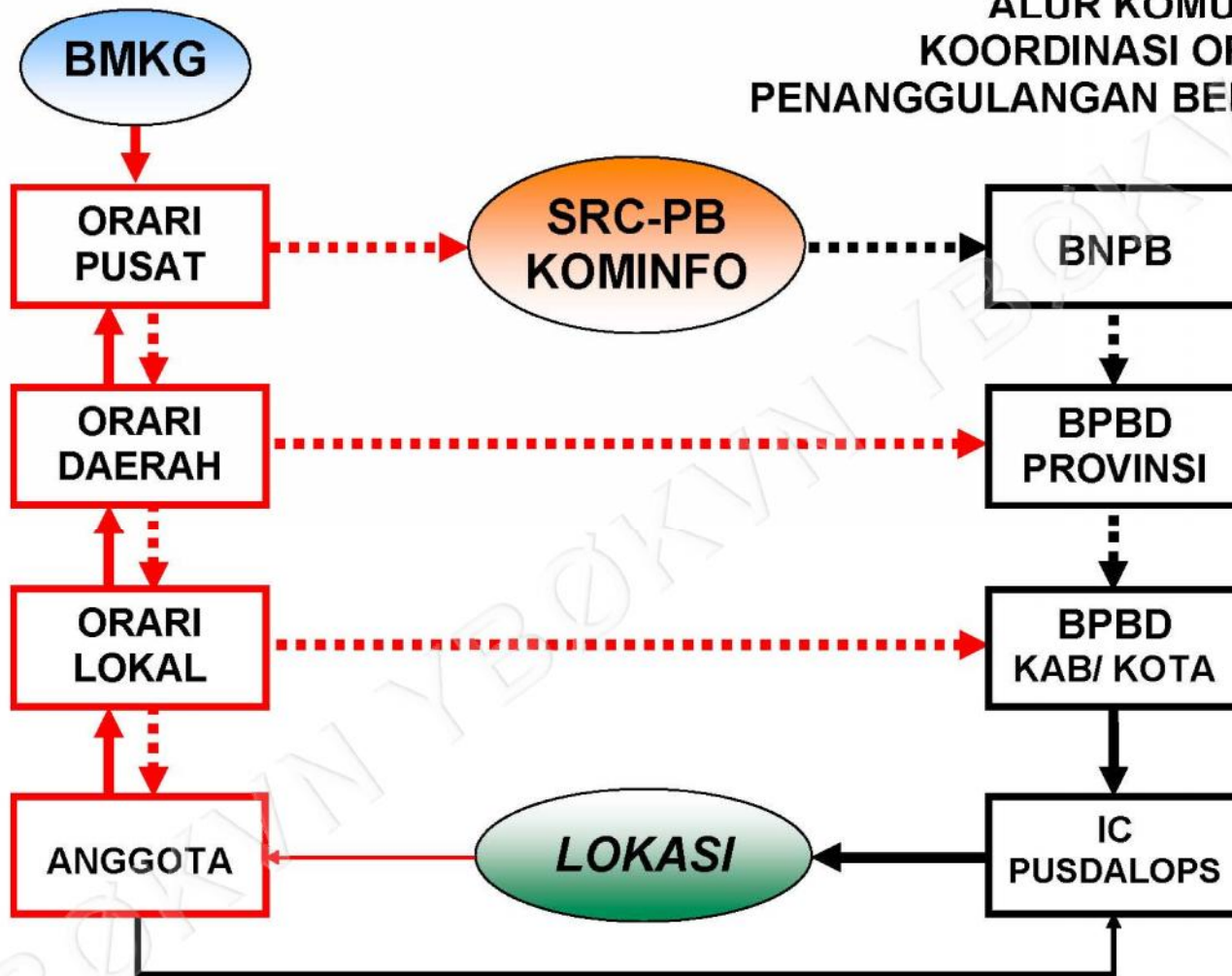
KETERANGAN:

— : Jalur Komando

STRUKTUR ORGANISASI ICS



ALUR KOMUNIKASI
KOORDINASI OPERASI
PENANGGULANGAN BENCANA



—> Laporan
-.-> Koordinasi, Konfirmasi

—> Operasional
-.-> Koordinasi

Keterangan:
Sumber info dari BMKG



Gelar Kesiagaan SRC-PB Kominfo

The flowchart illustrates the Emergency Response Mechanism (Mekanisme Tanggap Darurat) for disaster management, showing the flow of information and resources between various entities.

Entities and their functions:

- Petugas (Staff):** Provides information (1) about the disaster to the Unit Pelaksana.
- Unit Pelaksana (Implementing Unit):** Confirms (2) the disaster to the Masy / Lokasi Bencana.
- Masy / Lokasi Bencana (Disaster Area / Location):** The central hub for disaster response, including:
 - Monitor perkembangan (Monitor developments)
 - Pengendalian keadaan (Control situation)
 - Penanggulangan (Mitigation)
 - Penyelamatan (Rescue)
- Inventarisasi (Inventory):** Lists resources needed:
 - Korban (Victims)
 - Kerugian (Losses)
 - Kebutuhan (Needs):
 - Logistik (Logistics)
 - Sarana (Facilities)
 - Petugas (Staff)
- Lap. Form PBP2 (PBP2 Form Report):** Generated from the inventory.
- Lap. Awal Kejadian (Initial Incident Report):** Generated from the disaster area.
- Satkorlak PBP (PBP Coordination Center):** Receives reports and coordinates response.
- Satlak PBP (PBP Working Unit):** Receives reports and coordinates response.
- Satgas PBP (PBP Task Force):** Receives reports and coordinates response.
- Posko / Tempat Pengungsian / Dapur Umum (Relief Post / Evacuation Site / Community Kitchen):** Provides shelter and food.
- Peran Serta Masyarakat (Community Participation):** Involves the community in the response.
- Distribusi bdsr (Distribution of disaster relief supplies):** Lists resources:
 - Persediaan (Supplies)
 - Skala Prioritas (Priority Scale)
- Tempat Penampungan Bantuan (Relief Shelter):** Provides shelter for disaster victims.

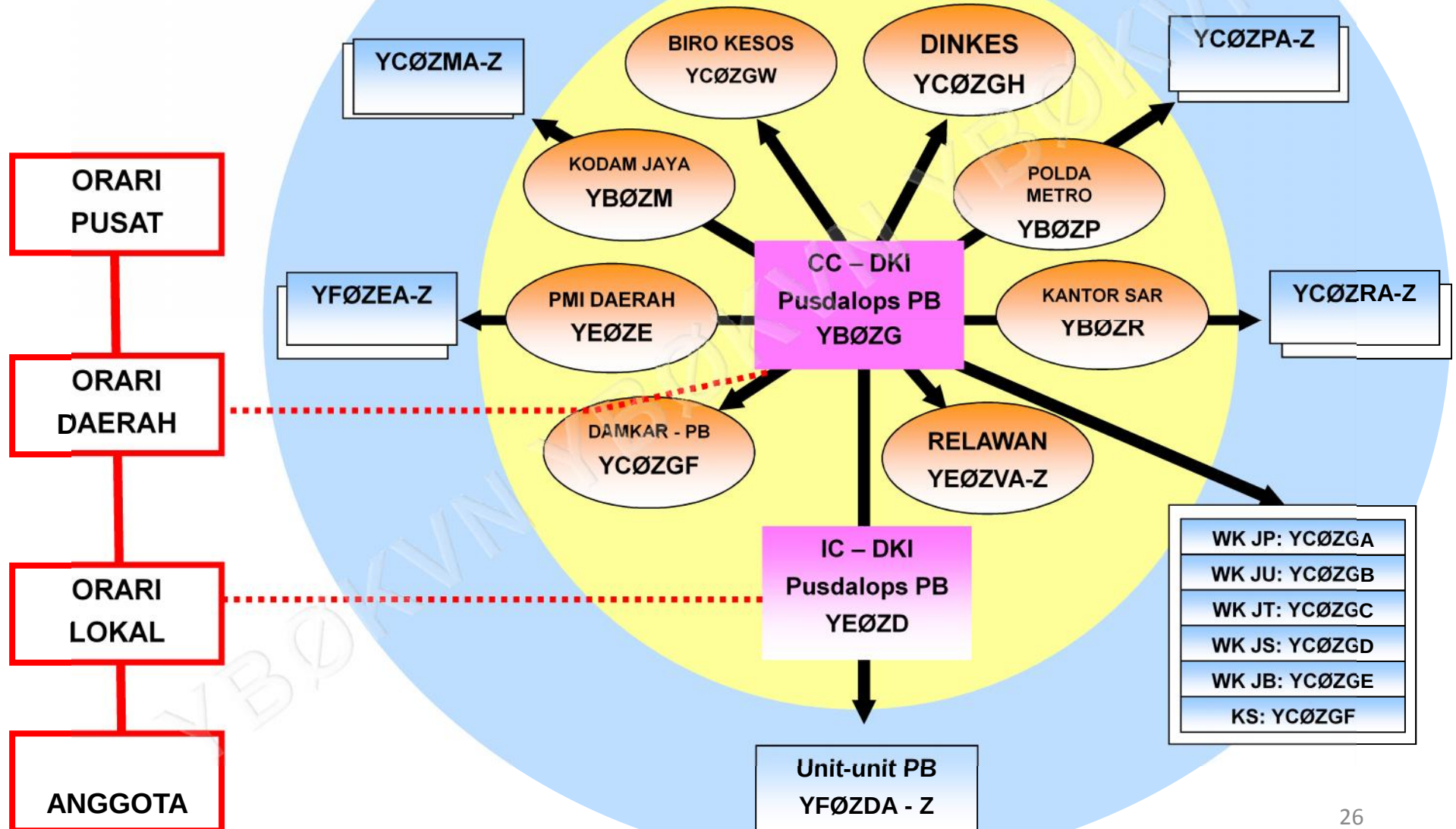
Flow of Information and Resources:

- Informasi bencana (Disaster information):** From Petugas to Unit Pelaksana.
- 2 konfirmasi (2 confirmation):** From Unit Pelaksana to Masy / Lokasi Bencana.
- 3 (3):** From Masy / Lokasi Bencana to Lap. Awal Kejadian.
- 4 (4):** From Masy / Lokasi Bencana to Posko / Tempat Pengungsian / Dapur Umum.
- 5 (5):** From Masy / Lokasi Bencana to Peran Serta Masyarakat.
- 6 (6):** From Masy / Lokasi Bencana to Inventarisasi.
- 7 (7):** From Distribusi bdsr to Tempat Penampungan Bantuan.
- 8 (8):** From Satkorlak PBP, Satlak PBP, and Satgas PBP to Masy / Lokasi Bencana.
- 9 (9):** From Satkorlak PBP, Satlak PBP, and Satgas PBP to Tempat Penampungan Bantuan.
- 10 (10):** From Distribusi bdsr to Masy / Lokasi Bencana.

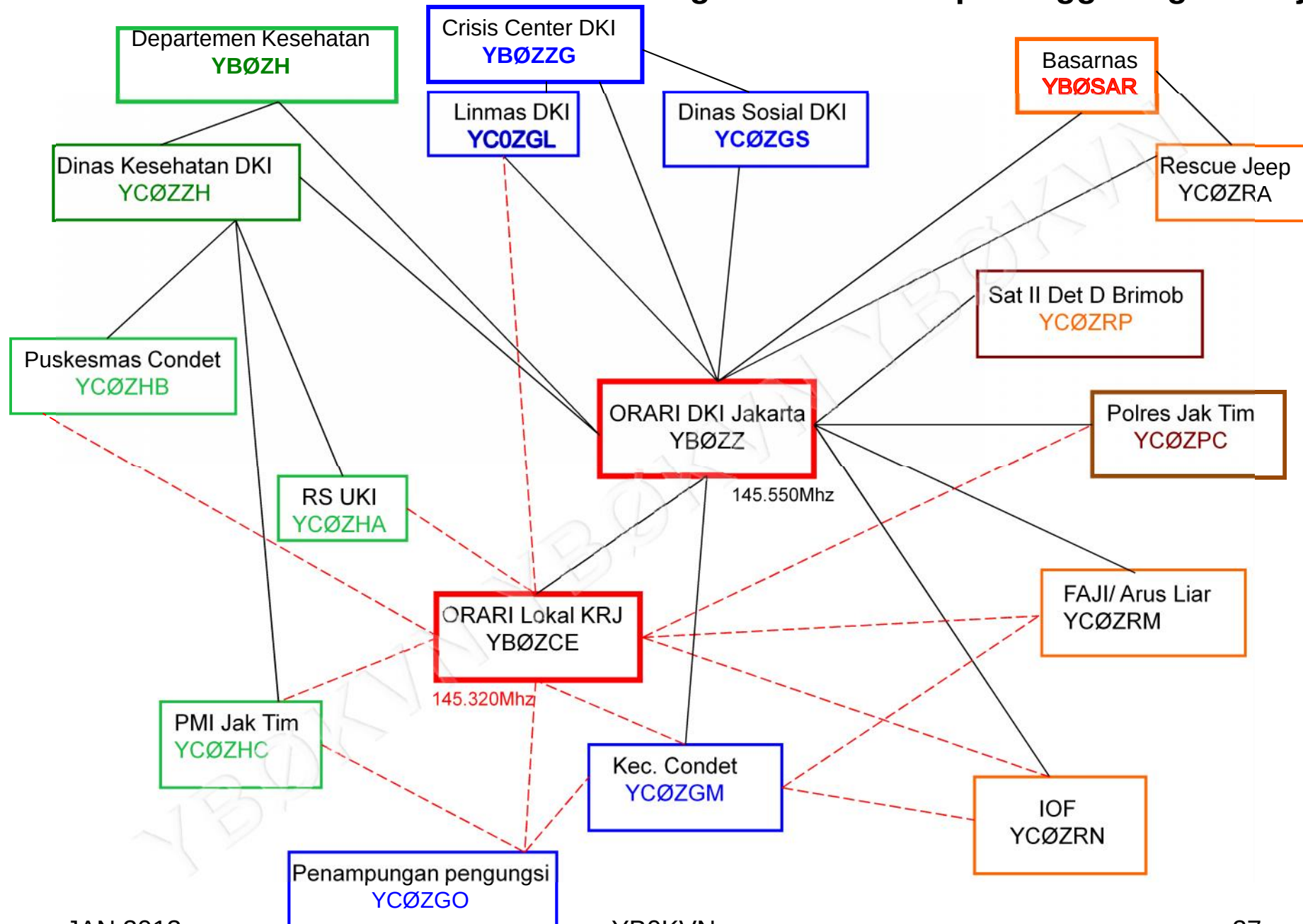
Additional Labels:

- Mengaktifkan (Activate):** From Peran Serta Masyarakat to Posko / Tempat Pengungsian / Dapur Umum.
- Mengupayakan bantuan (Seek assistance):** From Satkorlak PBP, Satlak PBP, and Satgas PBP to Masy / Lokasi Bencana.
- Menyalurkan bantuan (Distribute assistance):** From Satkorlak PBP, Satlak PBP, and Satgas PBP to Tempat Penampungan Bantuan.

JARING KOMUNIKASI RADIO PENANGGULANGAN BENCANA DKI JAKARTA



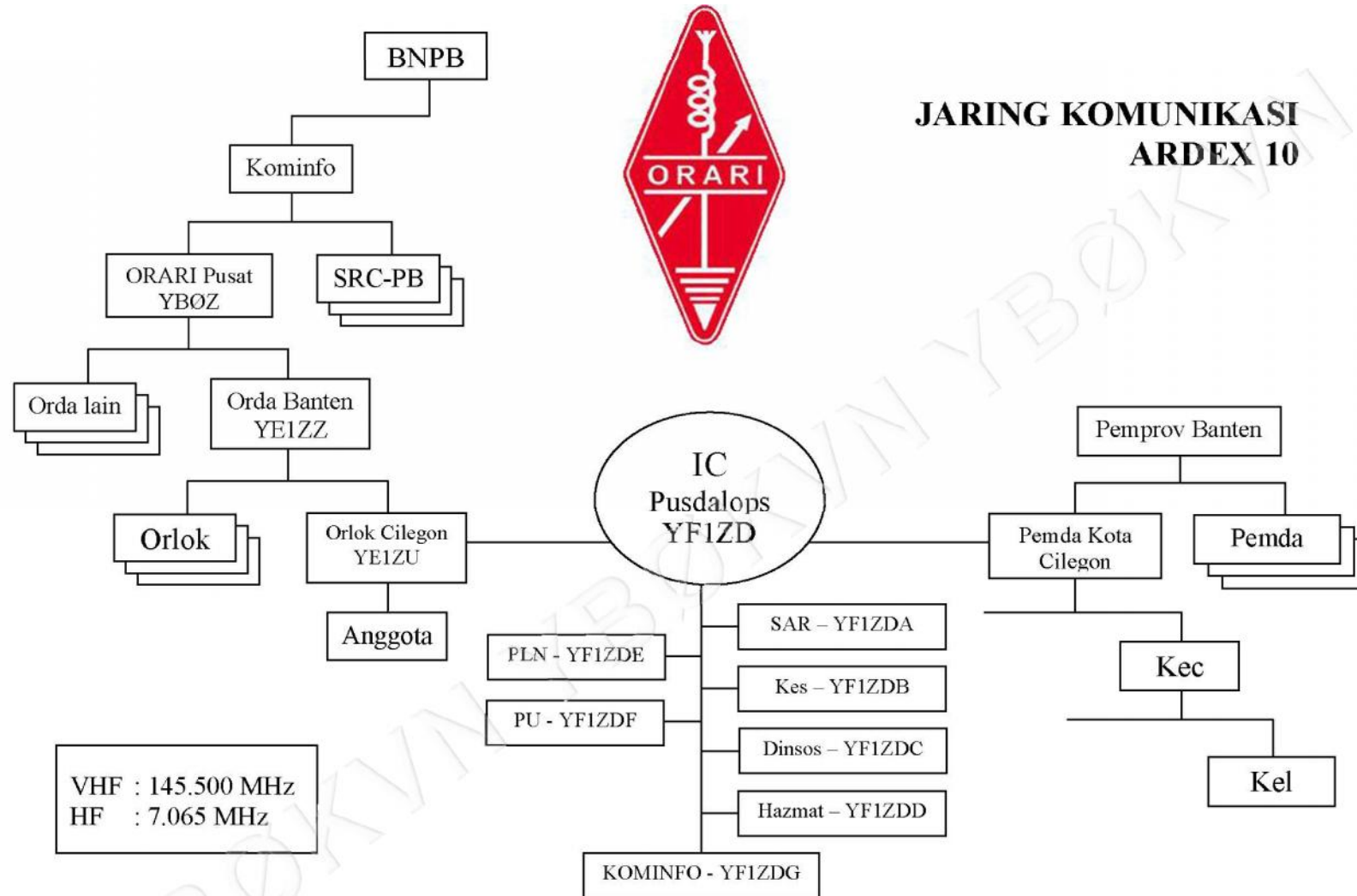
Jaringan komunikasi penanggulangan banjir





Gelar Kesiagaan SRC-PB Kominfo







Banjir Jakarta 2013



Global SET

an emergency communications
exercise to develop the skills we will need to
provide an international emergency
network.

Global SET

IARU Region 1 invites the HQ-Stations of all IARU member societies and stations of Emergency Communications Groups to participate in a **Global Simulated Emergency Test** on:

Sunday **November 23th, 2014** 11.00 - 15.00 Local Time

The operation will take place on and near the emergency **Centre-of-Activity (CoA) frequencies** on:
80, 40, 20, 17 and 15 metres (+-QRM).

Objectives

- 1. increase the common interest in emergency communications.**
- 2. test how usable the CoA frequencies are across ITU regions.**
- 3. create practices for international emergency communication and**
- 4. practice the relaying of messages using all modes.**

the rules and participating stations lists are now at the following links

http://www.iarur1.org/index.php?option=com_content&view=article&id=1357:globalset-rules-november-2014&catid=57:globalset&Itemid=165

[http://www.iarur1.org/index.php?option=com_content&view=article&id=1356:globalset-november-2014-list-of-participating-](http://www.iarur1.org/index.php?option=com_content&view=article&id=1356:globalset-november-2014-list-of-participating-stations&catid=57:globalset&Itemid=165)

Registration

Stations intending to participate are requested to register through their IARU Regional/National Emergency Communications Co-Ordinators as follows:

Region 1 - <http://bit.ly/htGHy>

Region 2 - <http://www.iaru-r2.org/emergencies/>

Region 3 - <http://www.iaru-r3.org/dcom/r3dcom-com.htm>

More Info

- **V85BD, JOHNNY TAN**
- **VK3PC, Jim Linton, Chairman
IARU Region 3 Disaster
Communication Committee**
jlinton@iprimus.com.au
- **iaru-r3.net**



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