



5.a. Singapore Report from National Workshop

Gabriel Lim
Meteorological Service Singapore
gabriel_lim@nea.gov.sg

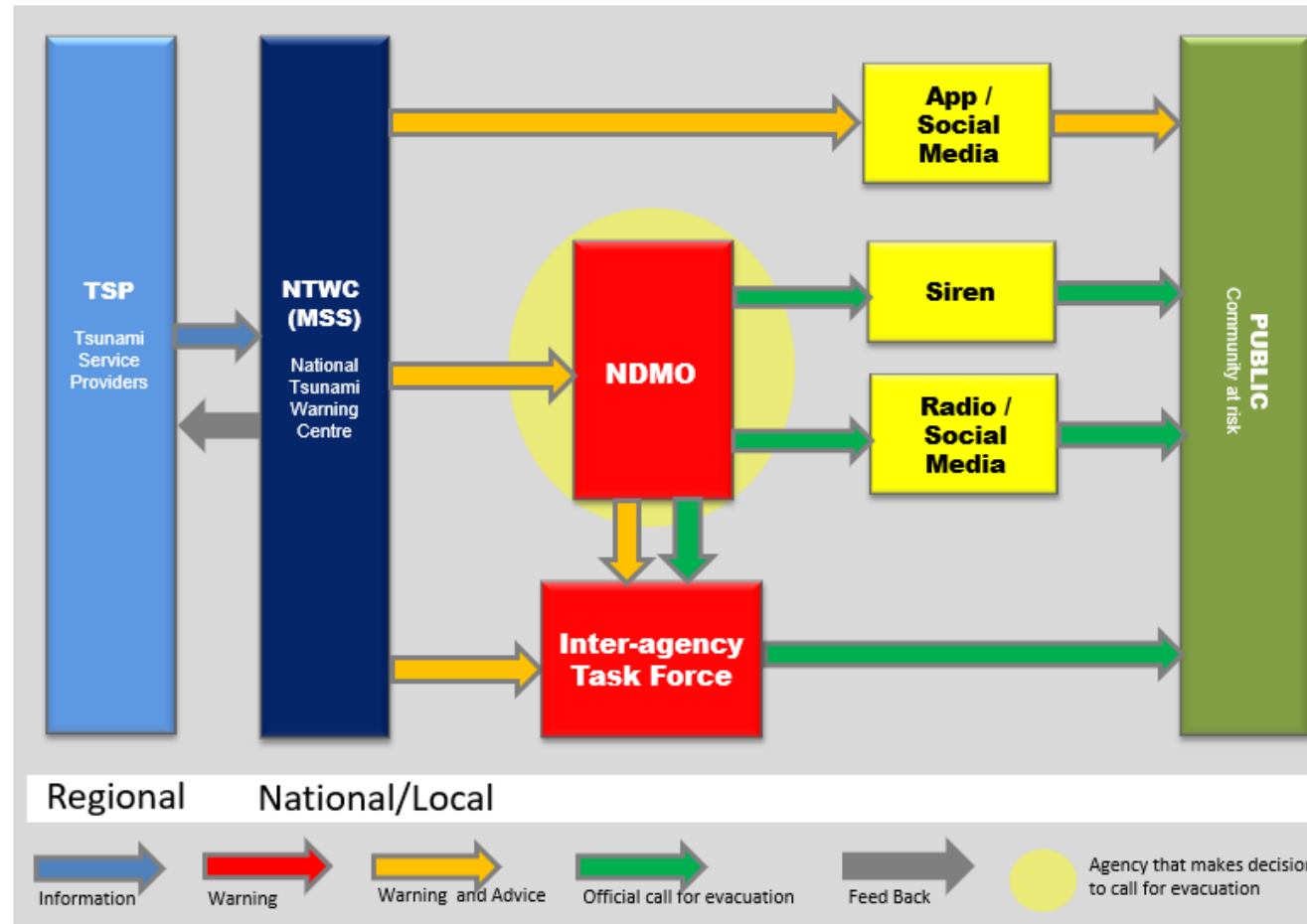
National Tsunami Warning Chain Status Update

Large EQ Alert (Immed upon receipt)

H-12 to H hour

Arrival of Wave

Based on national studies conducted, Tsunami wave is only likely to impact Singapore > 11-12 hrs after a large EQ in Sunda Trench/Manila Trench
(Timings indicated are time before arrival of Tsunami Wave when different phases of Alerts are issued)



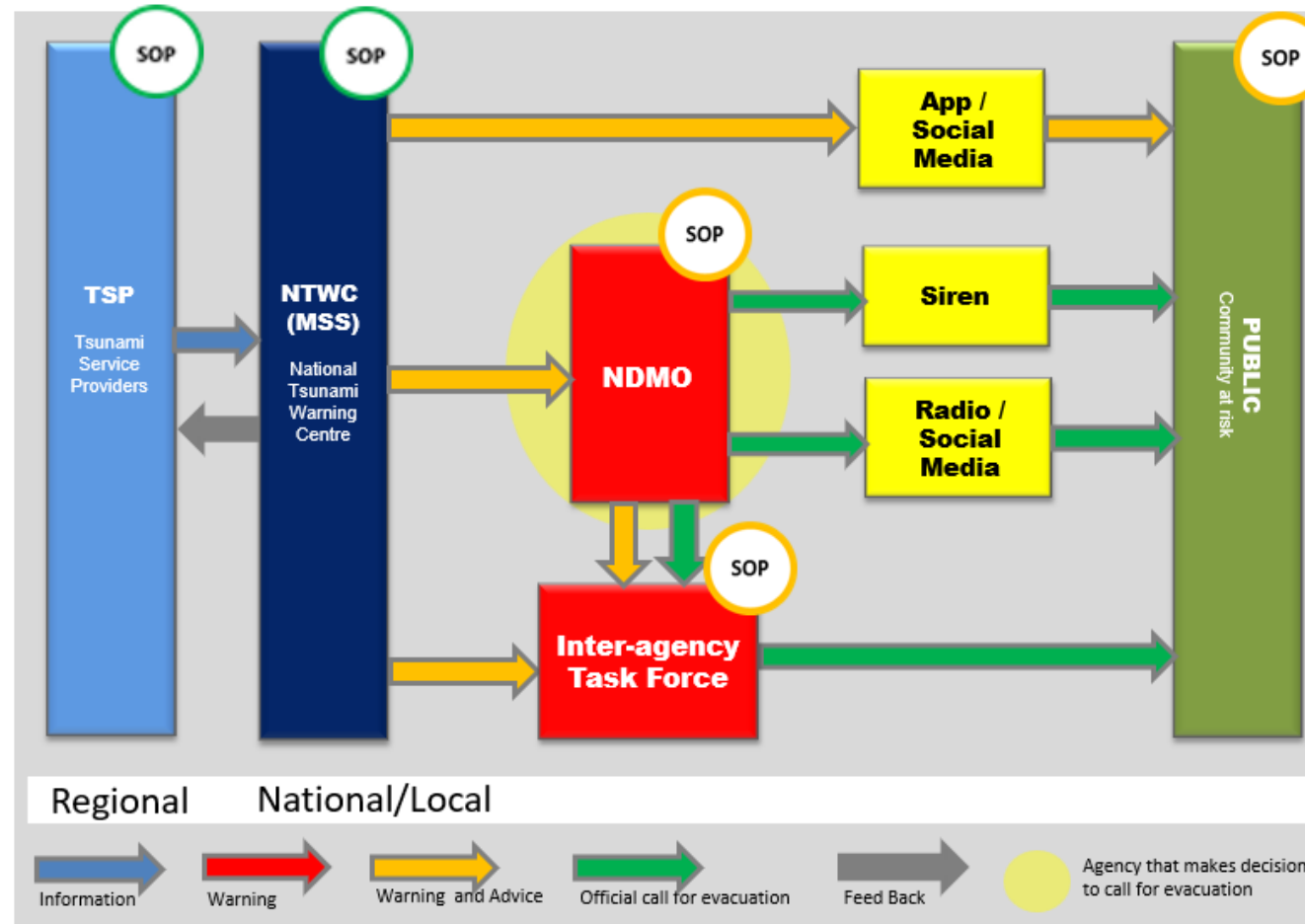
Standard Operating Procedure Status Report

Large EQ Alert (Immed upon receipt)

H-12 to H hour

Arrival of Wave

Based on national studies conducted, Tsunami wave is only likely to impact Singapore > 11-12 hrs after a large EQ in Sunda Trench/Manila Trench
(Timings indicated are time before arrival of Tsunami Wave when different phases of Alerts are issued)



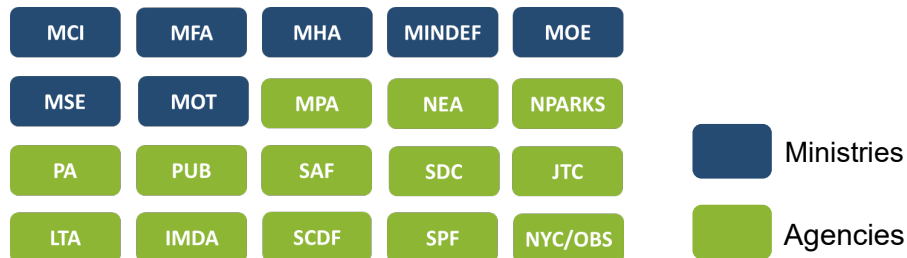
National Tsunami Response Plan (TRP)

Objectives:

- a) Mitigate the impact of a tsunami on Singapore
 - By monitoring and providing early alerts and warnings to all response agencies under TTF
 - For respective agencies to take early preventive and necessary action;
- b) Manage the consequences of a tsunami affecting Singapore
 - Whole-of-government coordinated response and recovery in the event of a tsunami affecting Singapore

Tsunami Task Force (TTF):

Includes members from National Ministries and Agencies:



Update:

The TRP is being aligned to national response plans for coastal flooding/inundation and updates are in progress

Tsunami Response Plan – Activation Alerts

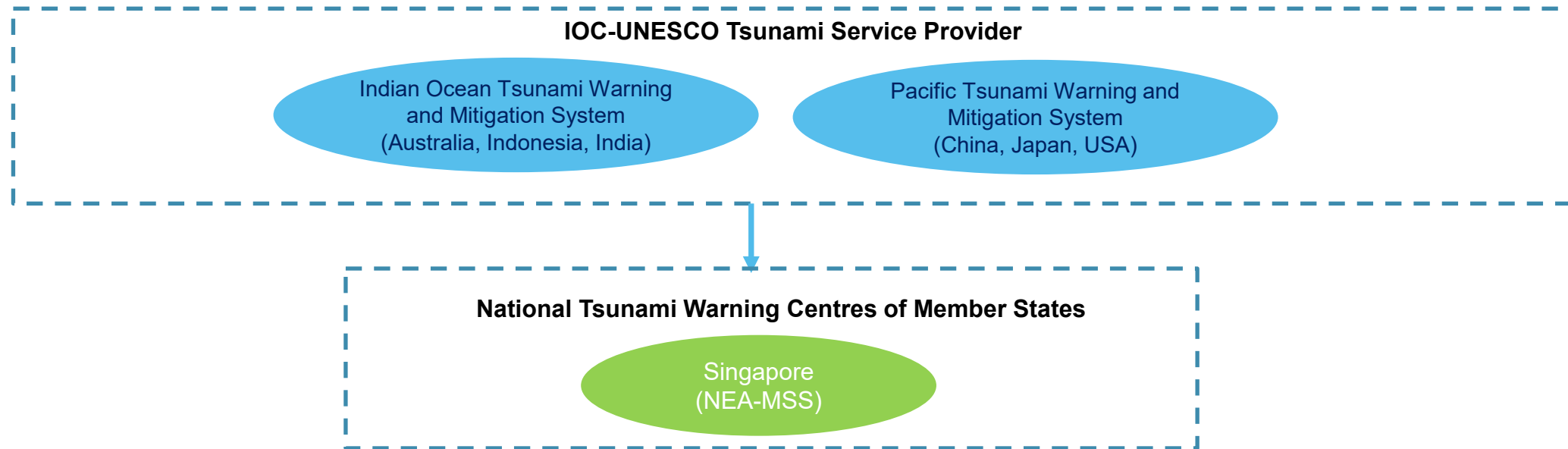
Phases	Description	Time
-	Detection of potentially tsunami-genic Earthquake or Volcanic Eruption/Landslide and initial alert	-
Phase 1 <i>Warning</i>	Tsunami is expected to affect Singapore	H-12 to H hour
Phase 2 <i>Public Safety</i>	Tsunami hits Singapore	H to H+6 hour
Phase 3 <i>Recovery</i>	All clear, stand down	H+6 hour onwards

* The phases of operations may not progress sequentially. At any of the phases, a standdown is possible when tsunami is assessed to no longer be a threat to Singapore.

Annual Tsunami Exercises

Regular participation in tsunami readiness communication tests and capacity assessments

- Backup South China Sea Tsunami Advisory Center (BSCSTAC) Communications Test (22 Nov 2024)
- South China Sea Tsunami Advisory Centre (SCSTAC) Communications Test (24 Feb 2025, 6 Jun 2025)
- Indian Ocean Tsunami Warning and Mitigation System (IOTWMS) Communications Test (11 Jun 2025)
- Pacific Tsunami Warning and Mitigation System (PTWS) Capacity Assessment 2025



- **Scenarios:** 4) Sumatra Trench (Wednesday 5 November 2025)
- **Exercise types:** Communications test exercise
- **Key players:** NTWC
- **Evacuation:** NIL



unesco

Intergovernmental
Oceanographic
Commission

THANK YOU



IOWave25