

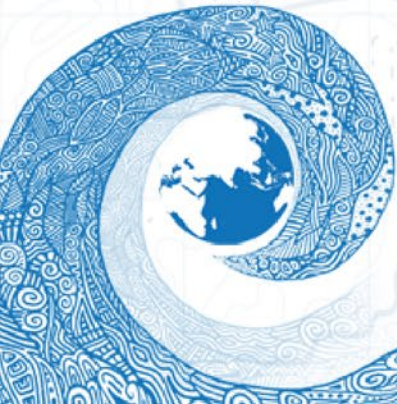
*REGIONAL STANDARD OPERATING PROCEDURE WORKSHOP
for NTWCs, DMOs and BROADCASTING MEDIA IN THE TSUNAMI WARNING CHAIN
UNESCAP TTF-31
31 October – 3 November 2022*



Joint learning

using examples of LDMO / Media SOP from Partner Countries

Harald Spahn, International Consultant



Tsunami Warning Chain

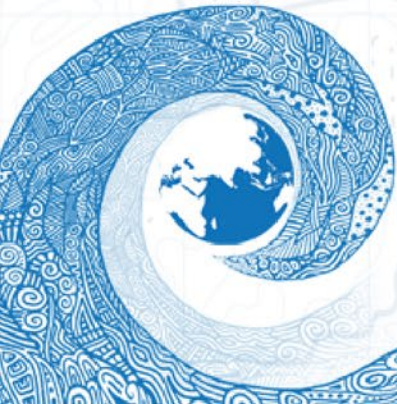
Warning chain scheme, timeline & SOPs

Warning chain scheme & timeline

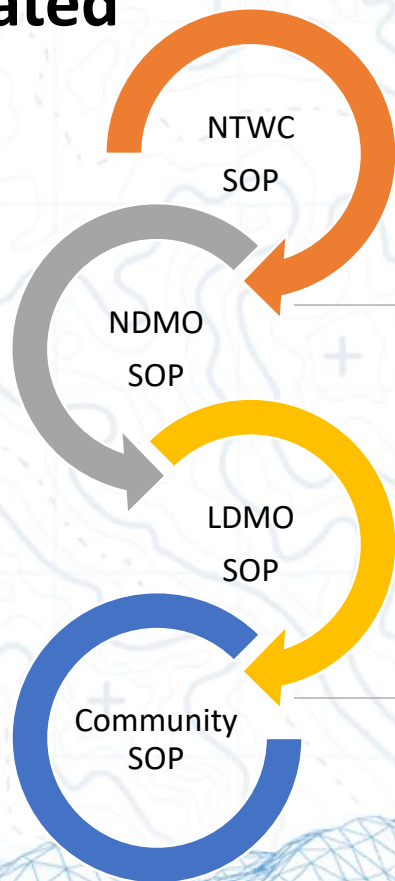
- describe the overall sequence and the time frame
- display the main actors involved and their principal role in the process
- are a main reference for the SOP development

SOPs

- provide concrete and detailed instructions to operate the warning chain at institutional levels
- describe decision making processes as well as contents and dissemination of warning messages



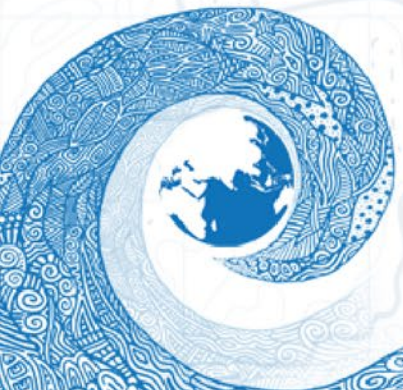
Integrated



5
Min

Timeline-driven

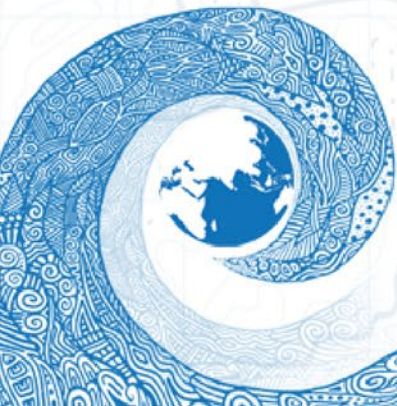
7
Min



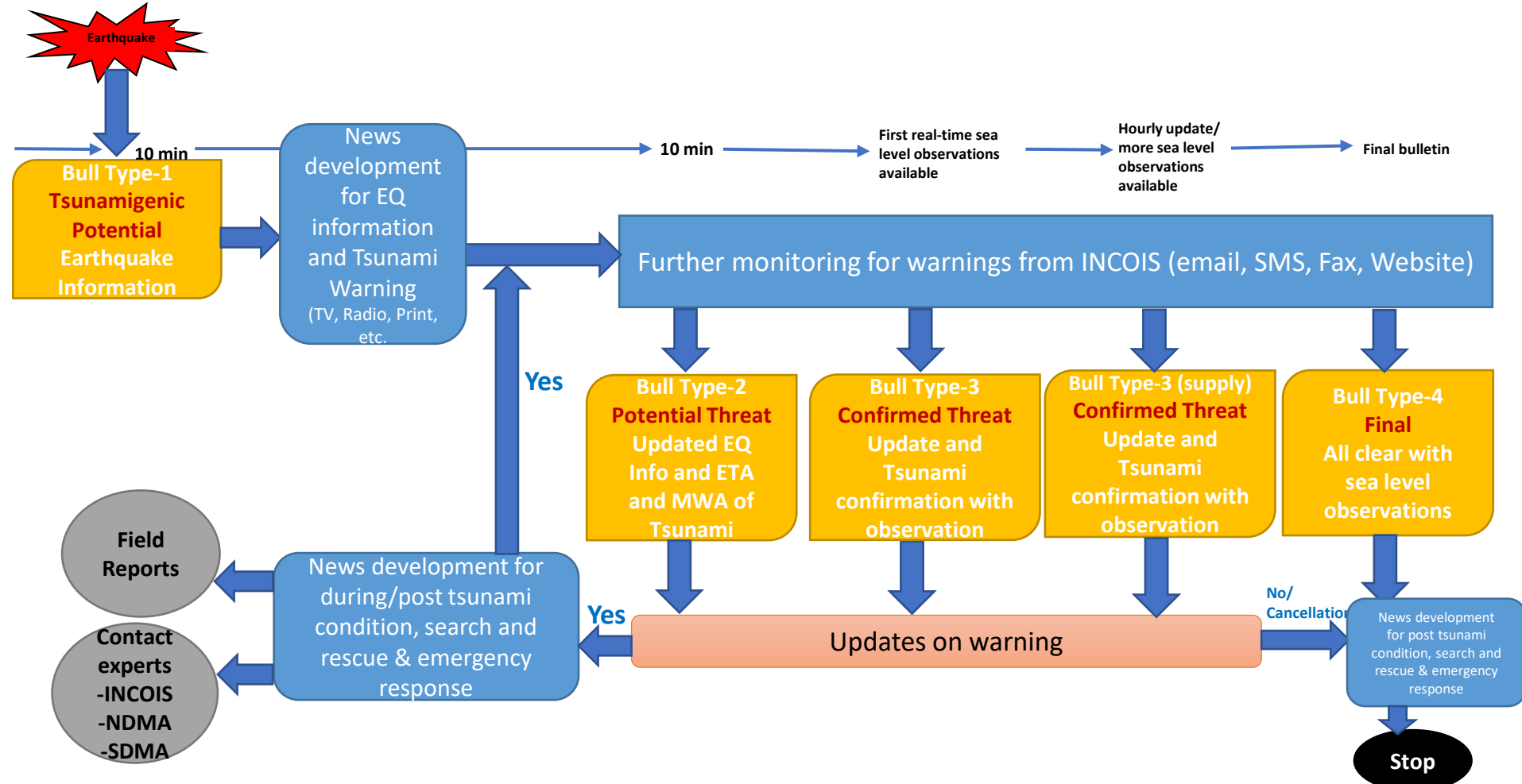
A standard operating procedure (SOP)

- A SOP is a written document that describes the **actions to be taken in a system or process.**
- A SOP describes each individual activity in a sequence of activities, documenting **who does what, when, where, and how** for each activity.

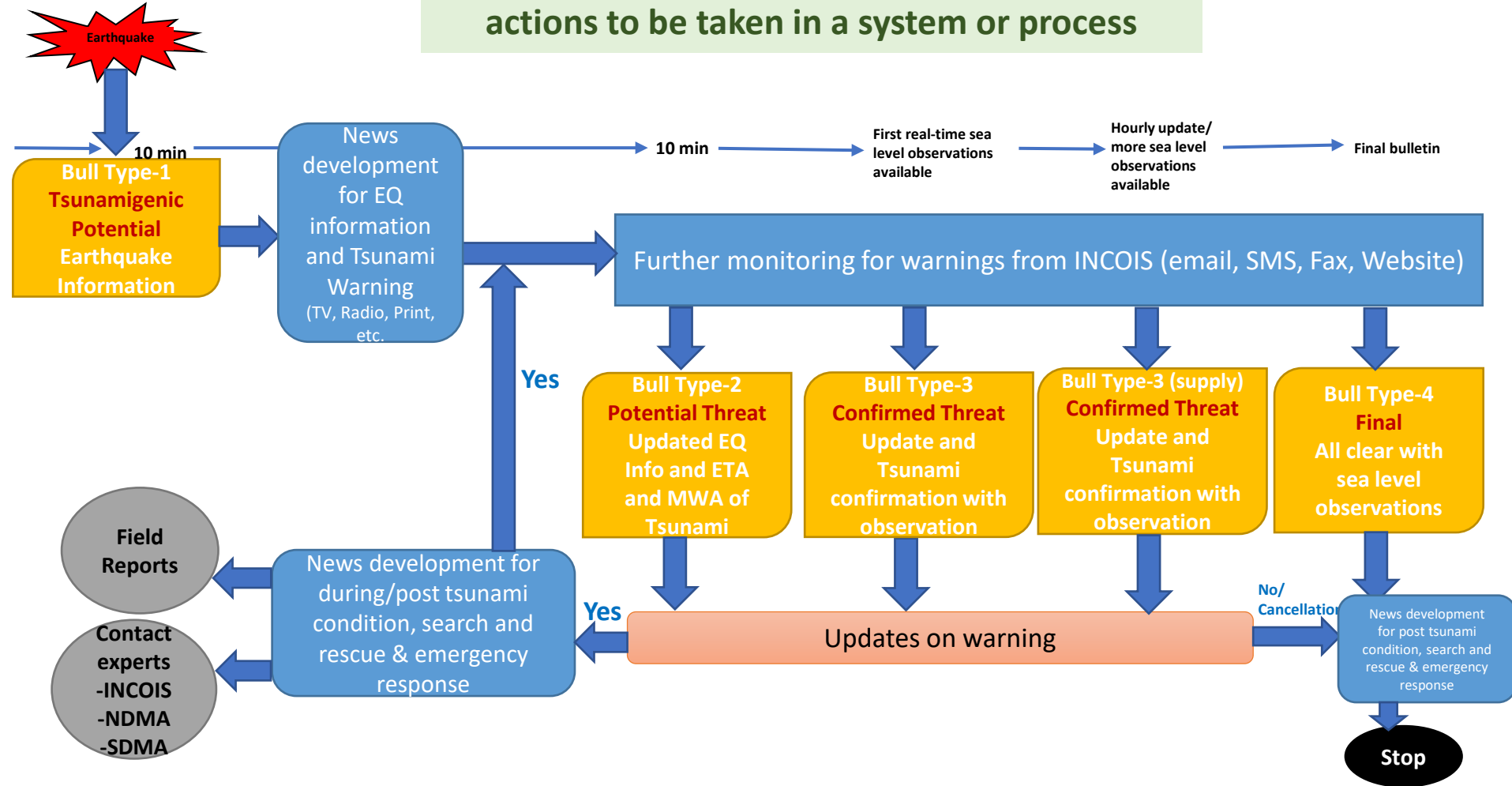
Source: IOC Manuals and Guides, 76



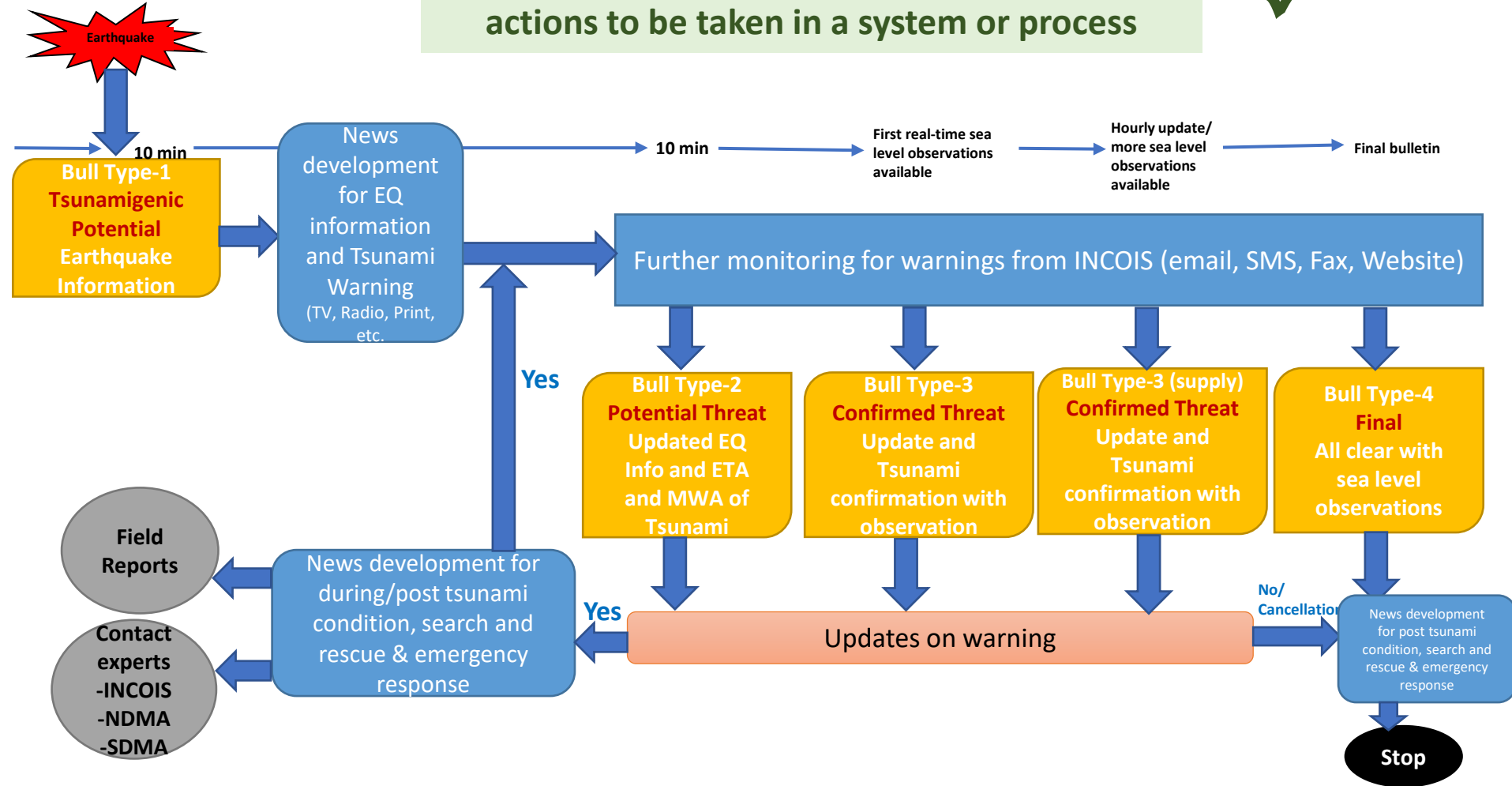
Broadcasting Media SOP (DRAFT)



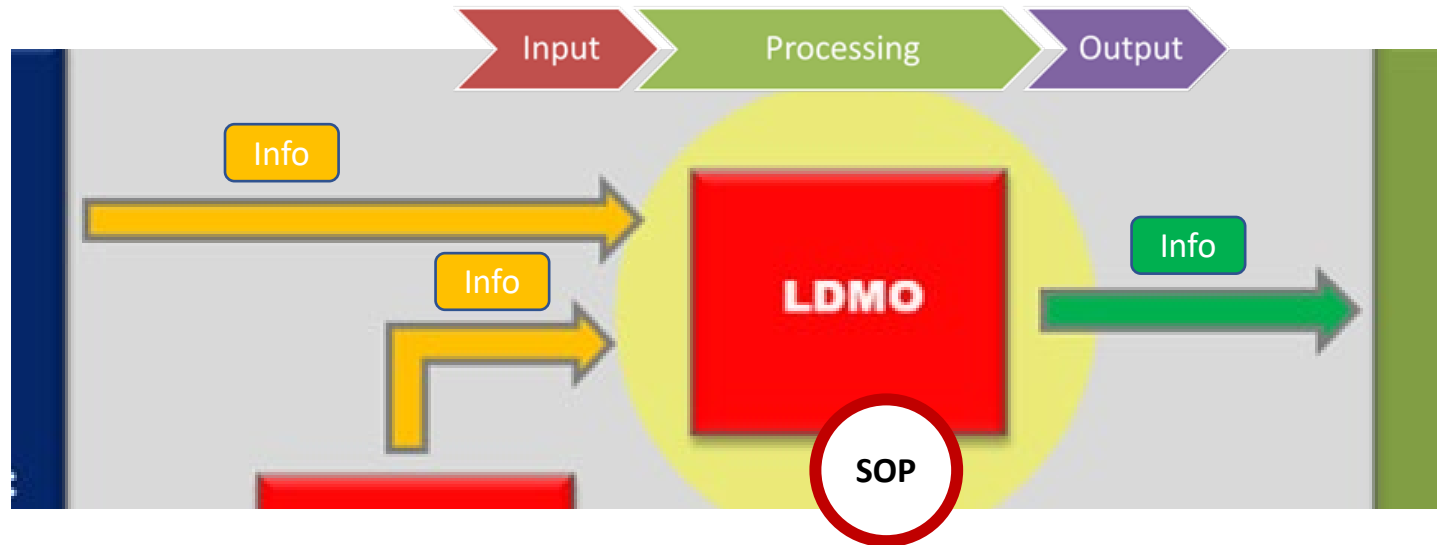
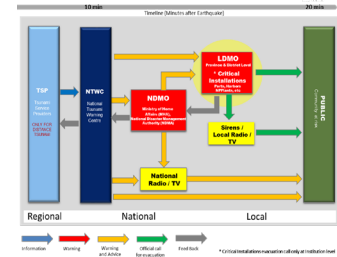
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A SOP is a written document that describes the actions to be taken in a system or process



Institutional SOPs in the warning chain



Broadcasting Media SOP (Draft)



Information come from NTCW/DMOs

Input			Processing	Output		
What	From whom	How received	Processing the input, decision making and generating the output	What	To whom	How disseminated
Warning Bulletins (Type 1,2,3&4)	NTWC/DMOs	<ul style="list-style-type: none">EmailSMSFaxWebsiteEgalertCAP		<ul style="list-style-type: none">Breaking NewsTEW NewsTEW Updates	Public	<ul style="list-style-type: none">Broadcaster liveRunning TextRadio
Time in: EQ + 10 min			Timeline	Time out: EQ + x min		

Broadcasting Media SOP (Draft)



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Broadcasting Media SOP (Draft)



Information come from NTWC/DMOs

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Warning Bulletins (Type 1,2,3&4)	NTWC/DMOs	<ul style="list-style-type: none">EmailSMSFaxWebsiteEgalertCAP	A SOP describes each individual activity in a sequence of activities, documenting who does what, when, where, and how for each activity.	<ul style="list-style-type: none">Breaking NewsTEW NewsTEW Updates	Public	<ul style="list-style-type: none">Broadcaster liveRunning TextRadio
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An earthquake in the sea of Oman or the Arabian Sea (Makran region) with a magnitude of 6.5 or more	The role of the Ministry of Information	Suggested formula
Issuing a statement No. (1) and (SMS messages) of an earthquake by the National Center for Early Warning and issued within 5 minutes)	Announcing an earthquake in the news ticker in the normal color of the tape. according to the formula shown.	BREAKING NEWS: An earthquake measuring 6.5 on the Richter scale was detected in the Sea of Oman, 12 km from the coast of the Sultanate.
Issuing a statement No. (2) denying the possibility of a tsunami and issued within (5-7 minutes) of the earthquake.	Announcing that there is no tsunamis as a result of an earthquake through the means available to the ministry. according to the formula shown. Contact the National Center for Early Warning of Multiple Hazards and verify the statement	BREAKING NEWS: The National Center for Early Warning denies the possibility of a tsunami caused by the earthquake in the Sea of Oman.
Issuing a statement No. (2) confirming the possibility of tsunami waves and clarifying the areas likely to be affected and the height of the expected waves. It is issued during (5-7 min after the earthquake)	Broadcast Statement No. (2) and information about the areas expected to be affected and measures to limit their effects. Requested the evacuation of potentially affected coastal areas. With a focus on clarifying evacuation procedures and measures and general guidelines for the public in various languages. Live broadcast with 1- The National Center for Emergency Management 2- The National Multi-Hazard Early Warning Center 25 to 30 minutes after the earthquake.	BREAKING NEWS: The National Center for Early Warning confirms the possibility of a tsunami as a result of the earthquake in the Sea of Oman. (If confirmed) The National Civil Defense Committee calls upon everyone to immediately move away from coastal areas and to self-evacuate to safe areas.
Issuing Statement No. (3) and its updates, confirming the monitoring of tsunami waves and clarifying the affected areas and the height of the waves that were monitored. It is issued within (30-60 minutes after the earthquake)	Broadcasting Statement No. (3) and its updates, with a focus on clarifying the most affected areas according to the classifications specified in the statement and continuing to educate the public about evacuation procedures in various languages. Live broadcast with the National Center for Early Warning of Multi-Hazards and the National Center for Early Warning of Multi-	BREAKING NEWS: The National Center for Early Warning monitors tsunami waves 5 meters high on the coast of the Sea of Oman. The National Civil Defense Committee: Everyone must immediately move away from

Working with SOPs

SOPs need to be

- strictly followed to ensure a complete and effective activity
- regularly reviewed
- approved

Staff must be trained and their competency at performing the activities as per the SOP should preferably be assessed.

Source: IOC Manuals and Guides, 76

