## NDRMO & TMS & TGS Tsunami Alert Action Plan

LOCAL SOURCE EVENT: A tsunami from a nearby source within 300km from any coastline of Tonga or less than 1 hour's tsunami travel time from its source.			
Tsunami Bulletin	TMS	NRD	Discussions/Way Forward for SOP
Urgent Tsunami Warning	<ol> <li>Ensure criteria(s) is met:</li> <li>Earthquake 7.1≤M and &lt;100km deep detected within 300km in any of Tonga's Coastline</li> <li>To be issued when a Long or strong Local earthquake is felt (observed) where strong shaking lasts for 30sec or more, but no tsunami wave has been recorded on tide gauges and no official earthquake parameters has been received from earthquake monitoring stations.</li> </ol>	- Magnitude and Depth parameters are important for NRD	<ul> <li>NRD to provide more detailed and confirmed information on the seismotectonic provinces of Tonga in terms of model simulation, historical events and studies etc.</li> <li>To sub-divide (partition) further the seismotectonic provinces and to establish key Magnitude for each zone that may trigger a tsunami (further research is needed on this NRD)</li> <li>We need to provide references for all our SOPs</li> <li>Look into after hours procedures for NRD to TMS</li> <li>Remove advisory status from NRD event report</li> </ul>

			<ul> <li>Colour coded warning/templates</li> <li>Workshop agrees to use TMS criteria for Local Source events</li> </ul>	
Significant	1. Ensure criteria(s) is met:	Magnitude 4.7<6.9 Felt		
Earthquake	• Earthquake 6.5≤M <7.1 and <100km deep has bee	n (<70KM depth)		
Advisory (Tsunami Information Statement)	<ul> <li>detected anywhere in the Pacific Ocean</li> <li>To be issued when earthquake 6.5≤M&lt;7.1 ar &lt;100km (Shallow depth) and/or has been felt our area or anywhere in the Pacific Basin ar assessments has been made and there is r tsunami threat</li> <li>To be issued when earthquake 6.5≤M&lt;7.1 ar &gt;100km (Deep depth) and/or has been felt our area or anywhere in the Pacific Basin ar assessments has been made and there is r tsunami threat</li> <li>Activate Tsunami Siren &amp; RAR System immediately</li> </ul>	<ul> <li>a) an agintudes within</li> <li>b) an agintudes within</li> <li>c) and subscribed</li> <li>d) and subscribed</li> <li>d) recipients.</li> </ul>		<b>Commented</b> believed to be poses no threat a Tsunami No Template (i.e. t
	Provide Live Radio Interview/Briefings			
	Issue Urgent Tsunami Warning (Template) via email thru the approved distribution list			

**Commented [11]:** These conditions here for the TIS is elieved to be sufficient to be used for all felt events that oses no threat. Hence it is believed that there is no need for Tsunami No Threat or Tsunami Minimum Threat Advisory emplate (i.e. to delete these templates from the SOP).

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Tsunami No			
Threat Advisory			
Tsunami Marine			
Alert			
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Tsunami Marine		
Warning		
Tsunami Alert		
(TA)		
Tsunami Warning		
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