

NDRMO & TMS & TGS Tsunami Alert Action Plan

LOCAL SOURCE EVENT			
Tsunami Bulletin	TMS Actions	Meteorologist & Observers	Coast Radio Operator
Urgent Tsunami Warning mi	1. Ensure criteria(s) is met: <ul style="list-style-type: none"> <i>Earthquake $7.1 \leq M$ and $< 100\text{km}$ deep detected within 300km of Tonga's Coast</i> <i>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.</i> 	Implement Actions: 2, 3, 4, 6, 7, 8, 9, 12, 13 (Actions are repeated when new information is received until action 13)	Implement Actions: 5, 10, 11
	2. Activate Tsunami Siren & RAR System immediately		
	3. Provide Live Radio Interview/Briefings		
	4. Issue Urgent Tsunami Warning (Template) via email thru the approved distribution list		
	5. Issue Urgent Tsunami Warning (Template) via Facebook		
	6. Monitor and Assess Local Tide gauges: Nuku'alofa, 'Eua, Nomuka, Pangai, Neiafu, Niuatoputapu		
	7. Monitor and Assess Local Seismic Station: Nuku'alofa, 'Eua, Ha'apai, Tofua, Vava'u, Niuafu'ou, Niuatoputapu		
	8. Run Analysis Tools and Assessment: Tsucat, Seiscomp5		

	9. Update Warning Template with new information received		
	10. Brief Director of TMS and others is if needed		
	11. Answering public calls of concerns for the event		
	12. Downgrading of Warning when criteria is met		
	13. Cancellation of Warning when criteria is met		
	1.		
Significant Earthquake Advisory	2. Ensure criteria(s) is met: <ul style="list-style-type: none"> • <i>Earthquake $6.5 \leq M < 7.1$ and $< 100\text{km}$ deep has been detected anywhere in the Pacific Ocean</i> 		
	Activate Tsunami Siren & RAR System immediately		
	Provide Live Radio Interview/Briefings		
	Issue Urgent Tsunami Warning (Template) via email thru the approved distribution list		
Tsunami No Threat Advisory			

