

**ANNEX IV. EXERCISE PACIFIC WAVE 2013 NATIONAL CONTACT, COUNTRY PARTICIPATION
34 COUNTRIES (39 COUNTRIES AND SUB-JURISDICTIONS) PARTICIPATED**

Country	Participation (Yes/No)	Scenario	Type of Exercise (Orientation, Drill, Tabletop, Functional, Full-scale)	Exercise Participants	Point of Contact
Australia	YES	Off Northern Chile (Peru- Chile Trench	Functional and Tabletop	Australian Bureau of Meteorology, Geoscience Australia, Australian Government Crisis Coordination Centre (AGCCC)	Dr. Yuelong Miao, Acting Head Tsunami Warning & Ocean Services (Australian Bureau of Meteorology)
Brunei Darussalam	YES				Dr. Hj Sidup bin Hj Sirabaha, Acting Deputy Director, Brunei Darussalam Meteorological Department; Sallehudin bin Hj Ibrahim, Senior Superintendent, National Disaster Management Centre
Canada	YES	Off Northern Japan (Japan Trench)	Tabletop	Canadian Hydrographic Service Pacific Region tsunami response staff	Denny Sinnott, Supervisor of Tides Currents and Water Levels (Canadian Hydrographic Service- Pacific Region, Institute of Ocean Sciences)
Cambodia	NO				Department of Meteorology, Ministry of Water Resources. ITIC asked, with no reply
China	YES	Off Western Philippines - South China Sea (Manila Trench)	Tabletop	National Marine Environmental Forecasting Center, State Oceanic Administration, North Sea Forecasting Center, East Sea Forecasting Center,	Dr. Yu Fujiang, Deputy Director (National Marine Environmental Forecasting Center)

				South Sea Forecasting Center, Liaoning Province Forecasting Center, Hebei Province Forecasting Center, Tianjin Province Forecasting Center, Shandong Province Forecasting Center, Jiangsu Province Forecasting Center, Shanghai Forecasting Center, Zhejiang Province Forecasting Center, Fujian Province Forecasting Center, Guangdong Province Forecasting Center, Guangxi Province Forecasting Center, Hainan Province Forecasting Center, Hong Kong Observatory, Security Bureau and other departments of the Hong Kong Special Administrative Region	
China - Hong Kong	YES				HY Mok (Senior Scientific Officer)
China - Macau	NO				ITIC inquired - HKO informed that SOA to provide official info
Colombia	YES	Off Northern Chile (Peru-Chile Trench)	Orientation	National Tsunami Warning Center (or Corporación OSSO)	Hansjürgen Meyer, Director (OSSO)
Chile	YES	Off Northern Japan (Japan Trench)	Drill and Tabletop	Hydrographic and Oceanographic Service of the Chilean Navy (SHOA)	Lieutenant Commander Miguel Vasquez Arias, Head of Oceanography Department (SHOA, Servicio Hidrográfico y

					Oceanográfico de la Armada de Chile)
Cook Islands	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	National Tsunami Warning Center (or Meteorological Service) , National Disaster Management Office, Police, Agriculture, Media, Education, Health, Airport Authority	Arona Ngari, Director (Meteorological Service)
Costa Rica	NO				Jefe de Operaciones, Comisión Nacional de Emergencias. IOC asked
Democratic People's Republic of Korea	NO				No working email; previous contact info listed Met Svc
Ecuador	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	Instituto Oceanografico de la Armada, NDMO, ECU911 (Integrated Security Centre), Dirección Nacional de Espacios Acuáticos, Instituto Geofísico	Willington Rentería, Chief of Ocean Science Department (INOCAR, Instituto Oceanografico de la Armada)
El Salvador	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	Ministerio de Medio Ambiente y Recursos Naturales (MARN)	Jeniffer Larreynaga, In Charge of Tsunami Unit (MARN)
Federated States of Micronesia - Chuuk	YES	Off Northern Japan (Japan Trench)	Tabletop	Department of Public Safety, Chuuk Weather Service Office, Department of Transportation, Department of Education, Office of the Governor, Disaster Coordinating Office	Frank Cholymay, Coordinator (Disaster Coordinating Office)

Federated States of Micronesia - Pohnpei	YES	Off Western Philippines - South China Sea (Manila Trench)	Tabletop	Weather Service Office, EOC at State Govt. office, EOC at Kosrae State	Eden Skilling, Officer in Charge (WSO Pohnpei)
Federated States of Micronesia - Yap	NO				ITIC asked WFO Guam (Chip Guard) re David Aranug. Did not participate - Aranug on sick leave
Fiji	YES	No Response	No Response	No Response	Malakai Finau, Director Mineral Resources Department (Mineral Resources Dept)
France - French Polynesia	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	CEA/DASE/LDG	Domique Reymond, Director, CPPT
France - New Caledonia	NO				Chief of MRCC or Maritime Operation Officer, Service de la sécurité civile du Haut commissariat de la République en Nouvelle Calédonie. ITIC and IOC asked, with no reply
France - Wallis & Futuna	NO				Administration Supérieure des Îles Wallis et Futuna, ITIC asked, with no reply
Guatemala	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	Instituto Nacional de Sismología, Vulcanología, Meteorología e Hidrología (INSIVUMEH) Coordinadora Nacional para la Reducción de Desastres (CONRED)	Eddy Hardie Sanchez Benett, Director General. (INSIVUMEH)
Honduras	NO				TWFP are Mr. Alberto Tenorio, Fisico Sismologo, Universidad Nacional de Honduras, Mr. Juan Jose REYES, Jefe de la Unidad del Sistema de Alerta Temprana. ITIC

					asked with no reply. Comisión Permanente de Contingencias
Indonesia	YES	Off Northern Japan (Japan Trench)	Tabletop	1. NTWC : BMKG Headquarter 2. BMKG Regional (Jayapura - Papua, and Manado - North Sulawesi). 3. NDMO Jakarta 4. Local DMO (Jayapura - Papua and Manado - North Sulawesi) 5. National TV Media (Metro Tv) 6. Local Media (TV and Radio : Jayapura - Papua and Manado - North Sulawesi)	Dr. Prih Harjadi, Director for Earthquake and Tsunami Center Meteorological Climatological and Geophysical Agency
Japan - JMA NWPTAC	YES	Provided messages – Japan, Manila Trench		Japan Meteorological Agency (Northwest Pacific Tsunami Advisory Center)	Yohko Igarashi, Chief, International Tsunami Information Section (JMA)
Kiribati	YES	Off Northern Japan (Japan Trench)	Tabletop	Kiribati MET Service (Office of the President), NDMO (Office of The President)	Ueneta Toorua (Forecaster), Kamaitia Rubetaake (Assistant Climate Officer) Michael Foon (Policy Officer-DRM/NDMO)
Malaysia	YES	Off Western Philippines - South China Sea (Manila Trench)	Functional	Malaysian Meteorological Department, NDMO, Police, Search & Rescue, and Civil Defense	Irene Eu Swee Neo, Principal Assistant Director (Malaysian Meteorological Department)
Marshall Islands	YES, cancelled to Natl Drought Emergency				Reggie White (Weather Service Office)
Mexico	YES	Off Northern Japan (Japan	Drill	Centro de Alerta de Tsunamis, Secretaría de Marina, Secretaría de	Capitán de Navío CG DEM, Luis Ignacio Islas Martinez de Pinillos, Director

		Trench)		Gobernación, Secretaría de Comunicaciones y Transportes (Capitanía de Puerto, Administración Portuaria Intergral), Comisión Federal de Electricidad	(Centro de Alerta de Tsunamis) PacWave13 evaluation also submitted by Oscar Guzman, Research (IOP)
Nauru	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	National Tsunami Warning Center, National Disaster Management Office, and Flight Information Center conduct role of NTWC as their secondary role.	Roy Harris, Deputy National Controller (Nauru Disaster Risk Management)
New Zealand	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	Ministry of Civil Defence & Emergency Management (MCDEM) and GNS Science	Jo Guard, Team Leader National Operations (Ministry of Civil Defence and Emergency Management)
Nicaragua	YES	Off Northern Chile (Peru-Chile Trench)	Functional	1. Instituto Nicaragüense de Estudios Territoriales (INETER 2. Secretaría Ejecutiva del Sistema para la Prevención, Mitigación y Atención de Desastres (SINAPRED) 3. Defensa Civil 4. Alcaldías 5. Instituciones gubernamentales	Angelica Munoz Director of Geophysics (Instituto Nicaragüense de Estudios Territoriales_
Niue	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	Niue Met Service, NDMO Office - Police	Sionetasi Pulehetoa, Director (Niue Meteorological Service)
Palau	YES	Off Western Philippines - South China Sea (Manila	Tabletop	Weather Service Office Koror, NDMO, NEMO	Alonzo Kyota, Coordinator (NEMO)

		Trench)			
Panama	NO				IOC asked; Country did participate to Regional Training (Feb 2013)
Papua New Guinea	NO				Mathew Moihoi, PMGO. PacWave13 Contact but did not participate
Peru	YES	Off Northern Chile (Peru-Chile Trench)	Drill	National Tsunami Warning Center, National Disaster Management Office	Commander Atilio Aste Evans, Sub - Lieutenant Ceci Rodriguez Cruz (Peruvian Tsunami Warning Center (CNAT), Oceanography Department, Directorate of Hydrography & Navigation, Peru Navy)
Philippines	YES	Off Western Philippines - South China Sea (Manila Trench)	Tabletop	National Tsunami Warning Center	Ishmael Narag, Officer-in-Charge, Seismological Observation and Earthquake Prediction Division (Philippine Institute of Volcanology and Seismology)
Republic of Korea	NO				ITIC inquired with no reply
Russian Federation	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	Sakhalin Tsunami Warning Center Primorje Tsunami Warning Center Kamchatka Tsunami Warning Center National Disaster Management Office Sakhalin branch of Geophysical Service of Russian Academy of Science	Tanya Ivelskaya, Chief (Sakhalin Tsunami Warning Center)
Samoa	YES	Off Northern Chile (Peru-Chile Trench)	Functional	National Tsunami Warning Center, National Disaster Management Office	Siosina Lui, Alternative Point of Contact (Meteorology Division)

Singapore	NO				Patricia Ee, Director (Weather Services Department), Meteorological Service Singapore/ National Contact but did not participate.
Solomon Islands	YES	Off Northern Japan (Japan Trench)	Tabletop	NTWC, NDMO	David Hirisia, Director (Meteorological Service)
Thailand	YES	Off Western Philippines - South China Sea (Manila Trench)	Tabletop	National Disaster Warning Center	Capt.Song Ekmahachai, Acting Director, Warning and Dissemination Section, (National Disaster Warning Center)
Timor Leste	NO				ITIC asked, emails bounced, JTIC contacted with no reply
Tokelau	NO				NZ and IOC sent email inviting them to participate and join IOC; Possible contact Jovilisi V Suveinakama, General Manager, Apia (National Public Service), Office of the Council for the Ongoing Government of Tokelau, Tokelau Apia Liaison Office
Tonga	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	Tonga Meteorological Service, NDMO, Geological Unit National Emergency Management Office (NEMO)	Moleni Tuuholoaki, Senior Forecaster (Tonga Meteorological Service)
Tuvalu	YES	Off Northern Chile (Peru-Chile Trench)	Tabletop	National Tsunami Warning Center (or Tuvalu Met Svc), National Disaster Management Office, and Red Cross.	Hilia Vavae, Chief Meteorological Officer (Tuvalu Met Svc)

UK - Pitcairn Islands					ITIC asked, emails bounced
USA - PTWC	YES	Provided messages - All scenarios			Brian Yanagi (ITIC), Charles McCreery (Pacific Tsunami Warning Center)
USA - American Samoa	YES	Off Northern Japan (Japan Trench)	Tabletop	American Samoa (AS) Dept of Homeland, NOAA Weather Service Office Pago Pago	Brian Yanagi (ITIC), Carol Baqui, Hans Malala (National Weather Service Pago Pago)
USA - Hawaii	NO				Brian Yanagi (ITIC), Charles McCreery (PTWC), Doug Mayne (Hawaii SCD Director)
USA - Guam	YES	Off Northern Japan (Japan Trench)	Tabletop	Guam Homeland Security, NOAA Weather Forecast Office Guam	Brian Yanagi (ITIC), Chip Guard (Weather Forecast Office Guam), Pilar Carbullido and Rolando Delfin (Guam OCD)
USA - Northern Mariana Islands	YES	Off Northern Japan (Japan Trench)	Tabletop	US Commonwealth of Northern Mariana Islands (CNMI) Homeland Security	Brian Yanagi (ITIC), Juan Camacho (Emergency Management Office)
Vanuatu	YES	No Response	No Response	Vanuatu Meteorology & Geo-Hazards Department	David Gibson, Manager-Forecasting & current Act/Director (Vanuatu Meteorology & Geo-Hazards Department)
Vietnam	YES	Off Western Philippines - South China Sea (Manila Trench)	Tabletop	Earthquake Information and Tsunami Warning Center, National Disaster Management Office	Nguyen Hong Phuong, Deputy Director Earthquake Information and Tsunami Warning Center
Other Regions					
Pakistan	NO				Zahid Rafi (Pakistan Meteorological Department)
Kuwait	NO				Khaled Al-Banna (Kuwait Institute for Scientific Research)