ICG/PTWS-XXX September, 2023

Report from Northwest Pacific Tsunami Advisory Center (NWPTAC)

Northwest Pacific Tsunami Advisory Center (NWPTAC)
Japan Meteorological Agency (JMA)

NWPTAC Major Activities (Dec. 2021 – Aug. 2023)

Mar. 01, 2022 EPOS6 (Tokyo) started operation

Apr. 12, 2022 Communications Test

Sep. 14, 2022 EPOS6 (Osaka) started operation

Oct. 13, 2022 Live Communications Test for the PacWave22

Feb. 07, 2023 Communications Test



Japan Meteorological Agency



Operation Room of NWPTAC (JMA)

EPOS6

OThe operating system of the Earthquake and Tsunami Observation Information Service has been updated.

This system is called Earthquake Phenomena Observation System (EPOS).

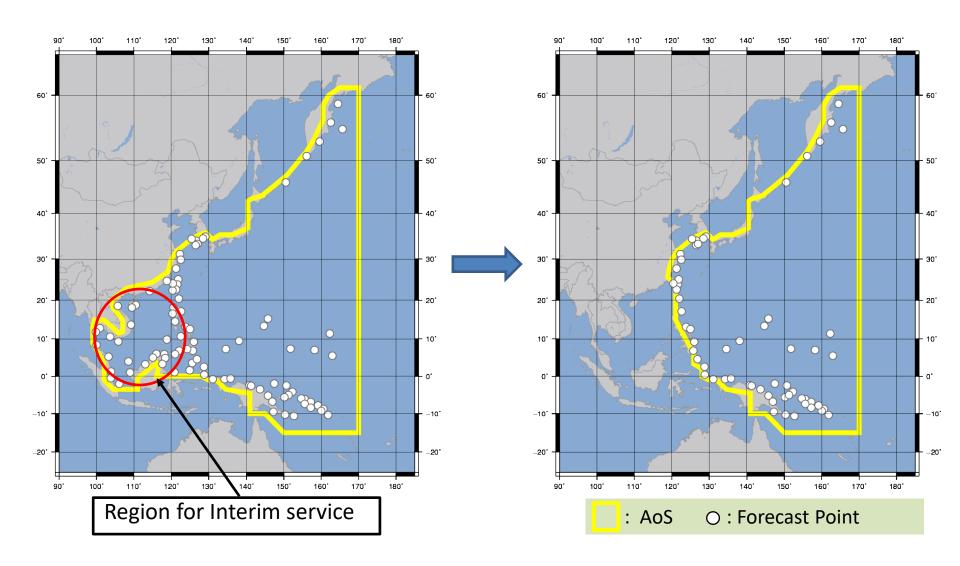
OA new system (EPOS6) has been installed at the Tokyo Headquarter and the Osaka Regional Headquarter. These two systems have the same functions.

OIn the case of Tokyo system is down, we can issue NWPTAs using the

Osaka system from Tokyo.

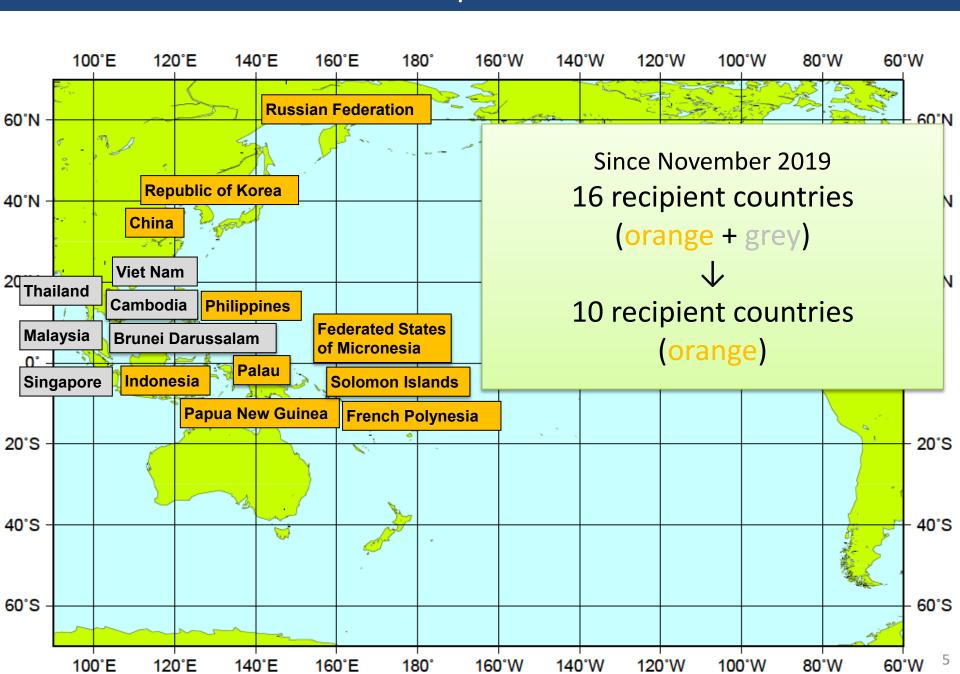


NWPTAC Area of Service (AoS)

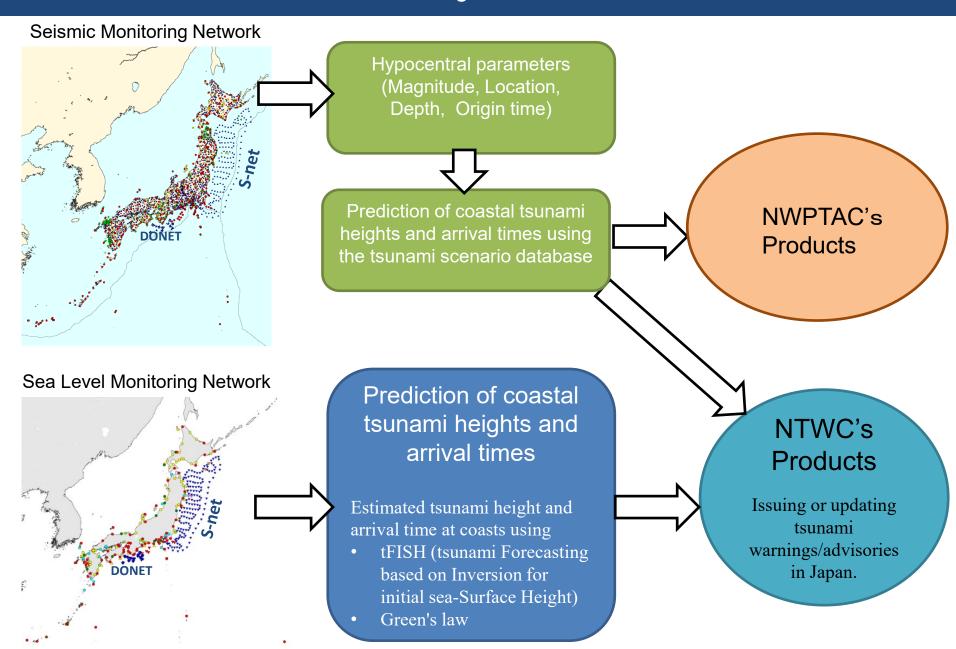


The NWPTAC AoS was changed when the full operation of SCSTAC started in November 2019.

NWPTA Recipient Countries



Use of Seismic and Sea Level Monitoring Data for Products of NWPATC and NTWC

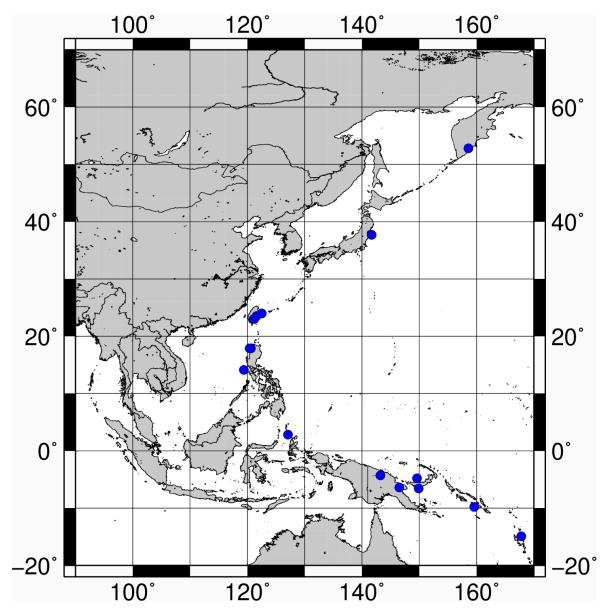


NWPTA Issuance (December 2021 – August 2023)

Origin Time(UTC)	Lat.	Lon.	Location	Mag.	Elapsed Time(min)*	Tsunami Potential
1245Z 26 JUL 2023	14.95	167.8E	VANUATU	6.8	22	VERY SMALL POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI
03:07Z 03 APR 2023	52.8N	158.6E	KAMCHATKA	6.7	16	NO POSSIBILITY OF A TSUNAMI
18:04Z 02 APR 2023	4.3S	143.2E	PNG	7.3	23	NO POSSIBILITY OF A TSUNAMI
05:36Z 01 MAR 2023	4.8S	149.6E	BISMARCK SEA	6.5	19	NO POSSIBILITY OF A TSUNAMI
21:25Z 25 FEB 2023	6.6S	149.9E	PNG	6.5	25	A VERY SMALL POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI
06:06Z 18 JAN 2023	2.8N	127.1E	MOLUCCA SEA	7.2	14	A POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI NEAR THE EPICENTER
02:03Z 22 NOV 2022	9.8S	159.6E	SOLOMON ISLANDS	7.3	20	A POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI NEAR THE EPICENTER
14:59Z 25 OCT 2022	17.9N	120.6E	PHILIPPINES	6.8	18	A VERY SMALL POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI
06:44Z 18 SEP 2022	23.0N	121.1E	TAIWAN	7.2	12	A POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI NEAR THE EPICENTER
13:41Z 17 SEP 2022	23.0N	121.2E	TAIWAN	6.6	13	A VERY SMALL POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI
23:47Z 10 SEP 2022	6.4S	146.5E	PNG	7.7	33	A POSSIBILITY OF A DESTRUCTIVE REGIONAL TSUNAMI
00:43Z 27 JUL 2022	17.9N	120.4E	PHILIPPINES	6.8	17	A VERY SMALL POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI
06:23Z 09 MAY 2022	24.0N	122.5E	TAIWAN	6.6	8	A VERY SMALL POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI
17:41Z 22 MAR 2022	23.5N	121.6E	TAIWAN	6.6	49	A VERY SMALL POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI
14:36Z 16 MAR 2022	37.7N	141.7E	JAPAN	7.3	8	A POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI NEAR THE EPICENTER
21:06Z 13 MAR 2022	14.1N	119.4E	PHILIPPINES	6.7	18	A VERY SMALL POSSIBILITY OF A DESTRUCTIVE LOCAL TSUNAMI

^{*)} Elapsed time from Eq. origin time to Issuance the first NWPTA Products (minutes)

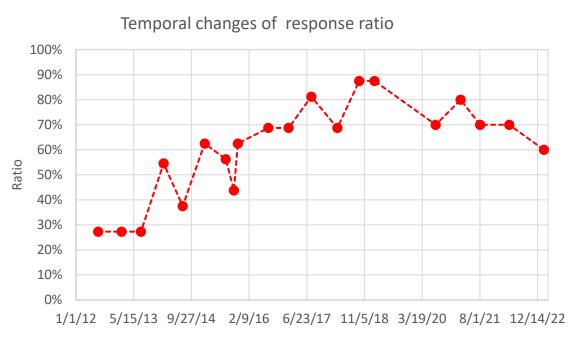
Earthquake locations for which NWPTA were Issued (December 2021 – August 2023)



- issued for 16 events

Communication Tests

NWPTAC conducts communication tests basically twice a year since 2012. Thanks to the coordination of the secretariat and the member states, the situation seems to be becoming better.



Date	Number of responses	Number of recipients	Response Ratio
2012/7/11	3	11	27%
2013/1/30	3	11	27%
2013/7/17	3	11	27%
2014/1/29	6	11	55%
2014/7/14	6	16	38%
2015/1/21	10	16	63%
2015/7/22	9	16	56%
2015/10/1	7	16	44%
2015/11/4	10	16	63%
2016/7/25	11	16	69%
2017/1/17	11	16	69%
2017/8/1	13	16	81%
2018/3/15	11	16	69%
2018/9/20	14	16	88%
2019/1/31	14	16	88%
2020/7/14	7	10	70%
2021/2/15	8	10	80%
2021/8/3	7	10	70%
2022/4/12	7	10	70%
2023/2/7	6	10	60%

The same countries (Federated States of Micronesia, Palau, and Solomon Islands) have not responded to communication tests recently.

Communication Tests (Telefax Failure)

There are fax numbers that now routinely fail. Failure to receive a telefax not only fails to disseminate the warning, but also burdens the TSP with the retransmission process.

22
sent
in the last test

8
non-received
in the last test

failed the last two tests as well

We ask for confirmation of the fax receiving system, or notification of the end of the reception by the next test (a few months later).

