

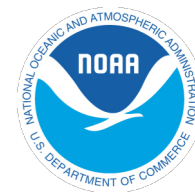
TOWS-WG Task Team on Tsunami Watch Operations Meeting  
February 27-28, 2023  
UNESCO Headquarters, Paris, France

# Global Service Definition Document Status

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# The Last TTTWO Meeting in 2022



ID #	Recommendation / Action	Status
2021 Rec 5:	Review the GSDD at each TT-TWO meeting with a view to publish a new version every 3 years, when necessary	Feb 22: Completed and ongoing  This is part of the ToRs and will be a standing agenda item at each meeting of the TT TWO
2021 Action 3:	Update the Global Service Definition Document (GSDD) during the inter-sessional period and submit for approval at the 2022 TOWS-WG meeting.	Feb 22: Completed  NEAM threat-based and level of warnings recommended globally by TOWS-WG has not yet been adopted due to several issues such as definition of No Threat... and translation of new terminology.  Other updates included for review  Recommendation to TOWS-WG to discuss and note the need to include warning for atypical tsunamis as part of global service and inclusion in GSDD



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Francois Schindele presented proposed updates to the Global Service Definition Document (GSDD) since the previous TT-TWO meeting. The updates pertained to the sections on (a) forecasting techniques, (b) public bulletins and products, (c) procedure for reporting of estimated and observed sea levels, and (d) earthquake parameters. Furthermore, a new chapter on ‘Interim Hunga Tonga Hunga Ha’apai Warning System’ was proposed.

Dr. Nishimae noted the tsunami response procedure for the 2022 Hunga Tonga volcano eruption should be referenced as an example or annexed within the GSDD, as is a new and interim procedure only at this stage, pending further work.

Dr. McCreery asked about the 1-second sampling rate. It was clarified that this is a recommendation for best service, but not a standard for all gauges and perhaps should not be included in the GSDD.

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Dr. Wilfried Strauch (CARIBE-EWS) noted that the IOC Sea Level Station Monitoring Facility (<http://www.ioc-sealevelmonitoring.org/map.php>) does not accept high-frequency data. For example, his team use 16 Hz sampling frequency and had to down sample to 1-min in order to get their data on the IOC website. Therefore Dr. Strauch recommended updating the sites capability for the future. Dr. McCreery further informed that during an event, the waveform on the IOC website appears as cloud of dots and should be updated to appear as a wave form.

Dr. Schindele noted that there is an opportunity for someone to take the lead in maintaining the GSDD. With the support of the TT-TWO members, Dr. McCreery agreed to take over this role.

Action 15: GSDD to be updated with agreed changes, including warning for non-seismic generated tsunamis. (Chip McCreery; Secretariat)

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## Recommendation 18 concerning GSDD

**Recommends** the GSDD be updated with suggested changes by TTTWO, including warning for non-seismic generated tsunamis.

**Recommends** ICGs monitor sea level data exchanges and encourage 1 sample/second data transmissions

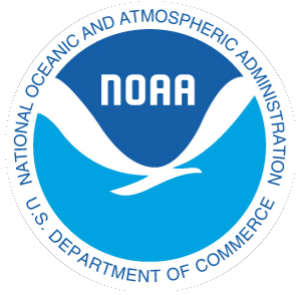
**Requests** IOC Sea Level Facility display data as continuous line representing the waveform (ie not as dots representing each data point) and include data transmitted at 1 sample/second data (currently not included).



# This TTTWO Meeting - 2023

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- Interim procedures for a repeat tsunamigenic eruption of Hunga Tonga Hunga Ha`apai Volcano have now been finalized and can be described and referenced in the GSDD as an example for handling this type of event.
- The Tsunamis Generated by Volcanoes (TGV) Report has been completed and it can be described and referenced in the GSDD.
- Recommend Chip and Francois finalize the update to the GSDD within the next month and send it to the IOC for publication. The last published version was in 2016.



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**Thank You**

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