Session 3. 1 ICG/PTWS XXIX Session Outcomes

1. Continue WG2 Task Team on Seismic Data Sharing in the Southwest Pacific with Terms-of-Reference as attached in Appendix 1 to Recommendation ICG/PTWSXXIX.1. Elected Chair is Rennie VAIOMOUNGA (Tonga, first term), and Vice-Chair is Mathew MOIHOI (Papua New Guinea, first term)

Session 3.1 ICG/PTWS XXIX Session Outcome

Noting the rapid development of GNSS and strong-motion seismic based methods for local Tsunami Early Warning

Requests Working Group 2 to consider the inclusion of terrestrial GNSS data up to 200km from coastlines under UN Decade of Ocean Science for Sustainable Development key outcomes “Safe oceans” and “Accessible oceans” leading to Challenge 6 “Increase community resilience to ocean hazards”

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Encourages the development of Tsunami Early Warning Systems initiatives based on densification of ocean wave height observations including those from the proliferation of DART and SMART Cable sensors;

Further encourages Member States to consider opportunities to support supplementing areas with insufficient GNSS and seismic strong-motion coverage to provide local/regional Tsunami Early Warning with ocean-based observations including SMART Cables and DARTs;

Requests Working Group 2 to consider re-evaluating time-based (i.e., local, regional, distant) event categories based on improvements in warning times and better understanding of the properties of natural warning signs for seismically triggered tsunamis;

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Recommends that Member States make data from their GNSS networks publicly available in real-time, and that all stations within 200 km of the coast are included since such inland stations also provide valuable constraints on tsunami excitation

Further encourages Member States to consider opportunities to support supplementing areas with insufficient GNSS and seismic strong-motion coverage to provide local/regional Tsunami Early Warning with ocean-based observations including SMART Cables and DARTs

Noting that parts of the PTWS coastal service area were as close as 4 hours tsunami travel time from that earthquake