6. ADVISORIES ISSUED BY TSPs FOR EARTHQUAKES THAT OCCUR OUTSIDE AOS BUT POSE A THREAT TO MEMBERS
Earthquake Source Zones of the 4 IOC Systems

1. TSPs of each system will only issue their tsunami products for earthquakes (or other sources) within the ESZ of that system.
2. Agreed to by TOWS-WG and then IOC Assembly.
3. In general, limited to include earthquakes likely to cause tsunamis that affect the coastal service area of that system.
4. Regional TSPs may have a more limited ESZ
5. TSPs may issue products for sources outside their ESZ if:
   • they forecast tsunami amplitudes above 0.3m for their coastal service area, or
   • there is no tsunami threat but likely concern about a tsunami threat by coastal population in service area
NWPTAC Area of Earthquake Responsibility

AER is center line. Surrounding lines are a ~100-km buffer zone.
SCSTAC Area of Earthquake Responsibility

AER is center line. Surrounding lines are a ~100-km buffer zone.
1. If the earthquake is located by a TSP inside its AER then it should issue its product immediately.

2. If the earthquake is located by a TSP outside its AER but within the buffer zone, it should check if the authoritative TSP has issued a product first.
   - If it has, then copy its earthquake parameters.
   - If not, then issue its own product immediately

3. If the earthquake is located outside of its AER and outside of the buffer zone but still within its ESZ, then if no product within 10 minutes from the authoritative TSP issue products with its own earthquake parameters.

This procedure is necessary to eliminate the possibility of no product being issued promptly for an event near a border when both TSPs judge it is in the other TSP’s AER.
Thank You

Ye Yuan, Ph. D
SCSTAC