

# Using ShakeAlert® Earthquake Early Warning to Reduce Earthquake Losses

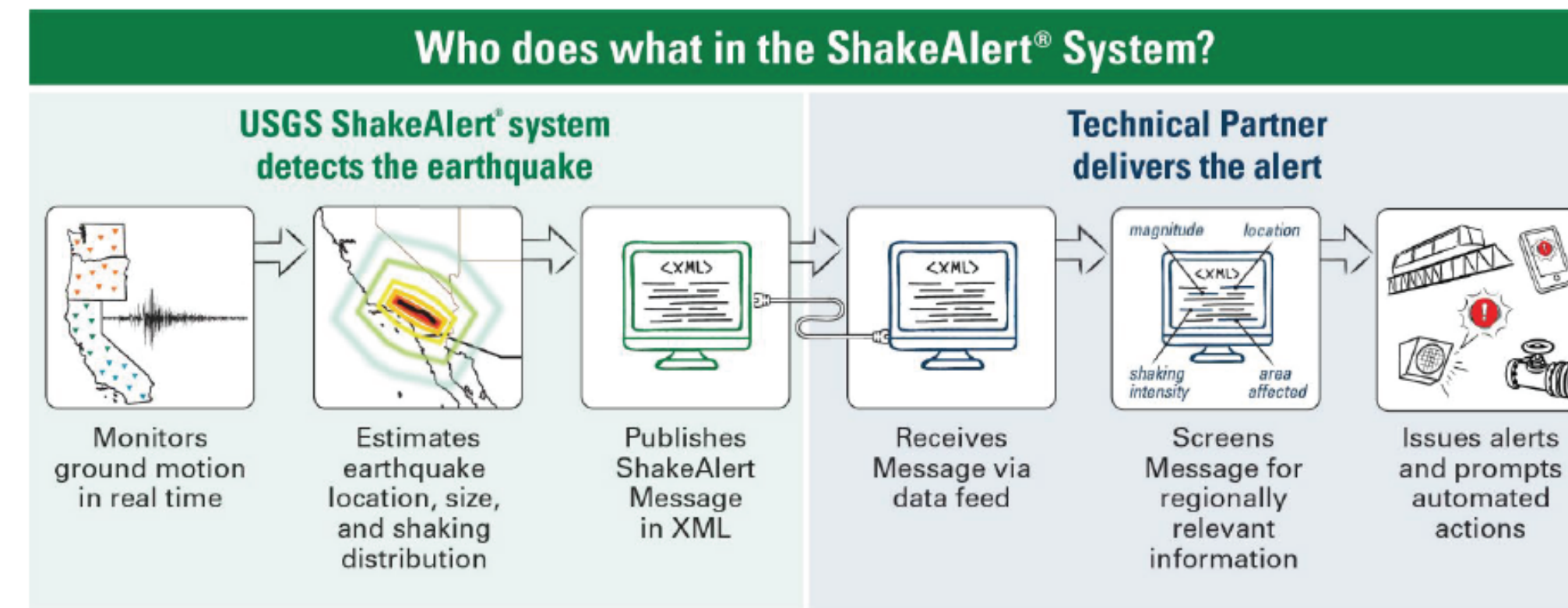
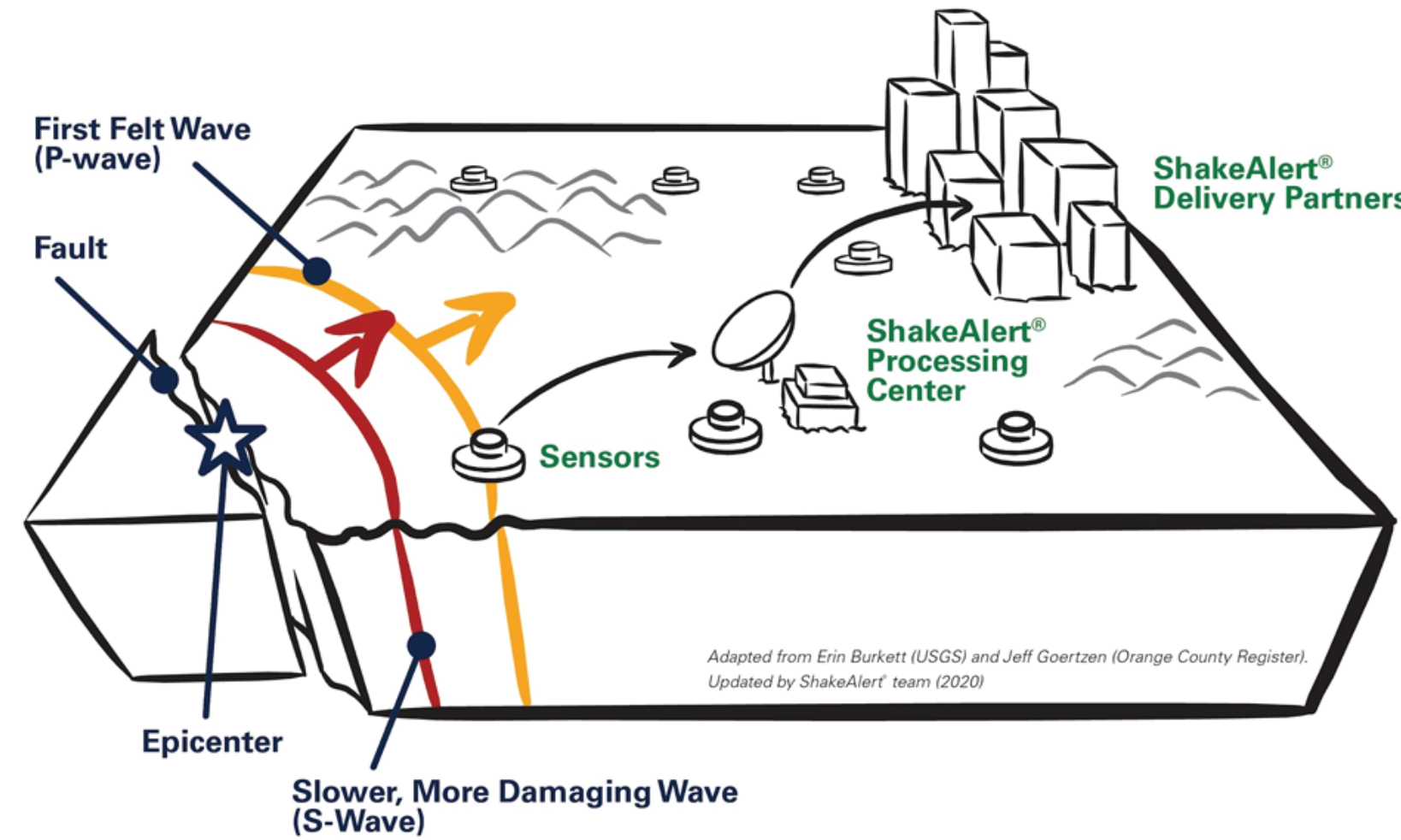
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ShakeAlert uses a heartbeat of data to rapidly characterize earthquake magnitude, location, and intensity.



Any organization can connect to USGS ShakeAlert servers to access the raw alert data and trigger their own actions.

Learn how:

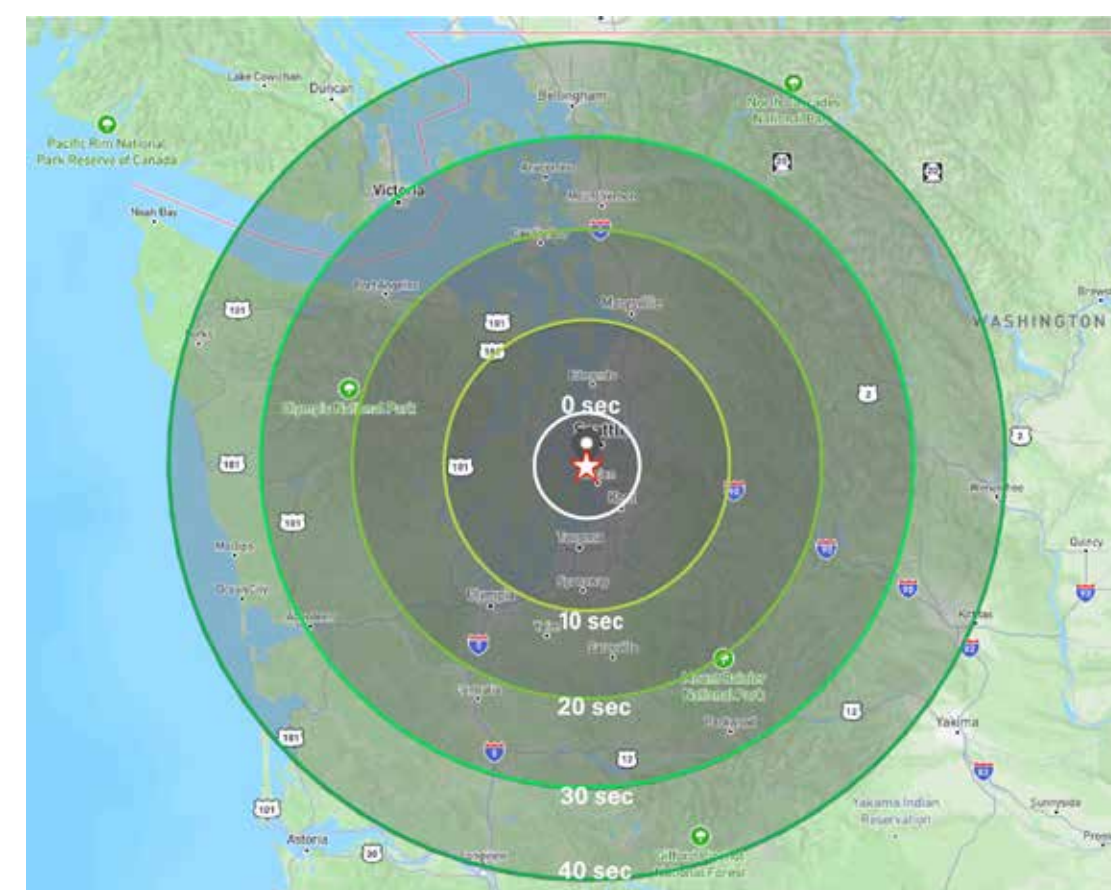


## How much warning time is likely?

Scenario 1: Seattle Fault, M 7.2

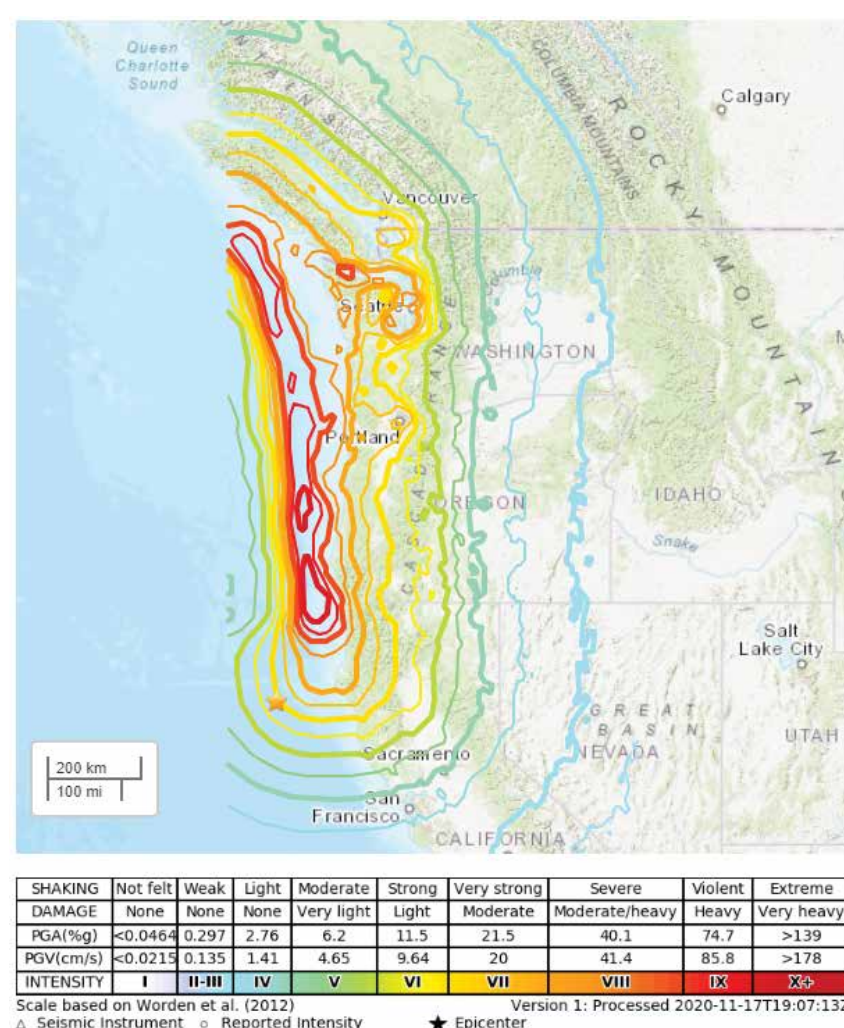


USGS ShakeMap for a M 7.2 Seattle Fault Scenario.

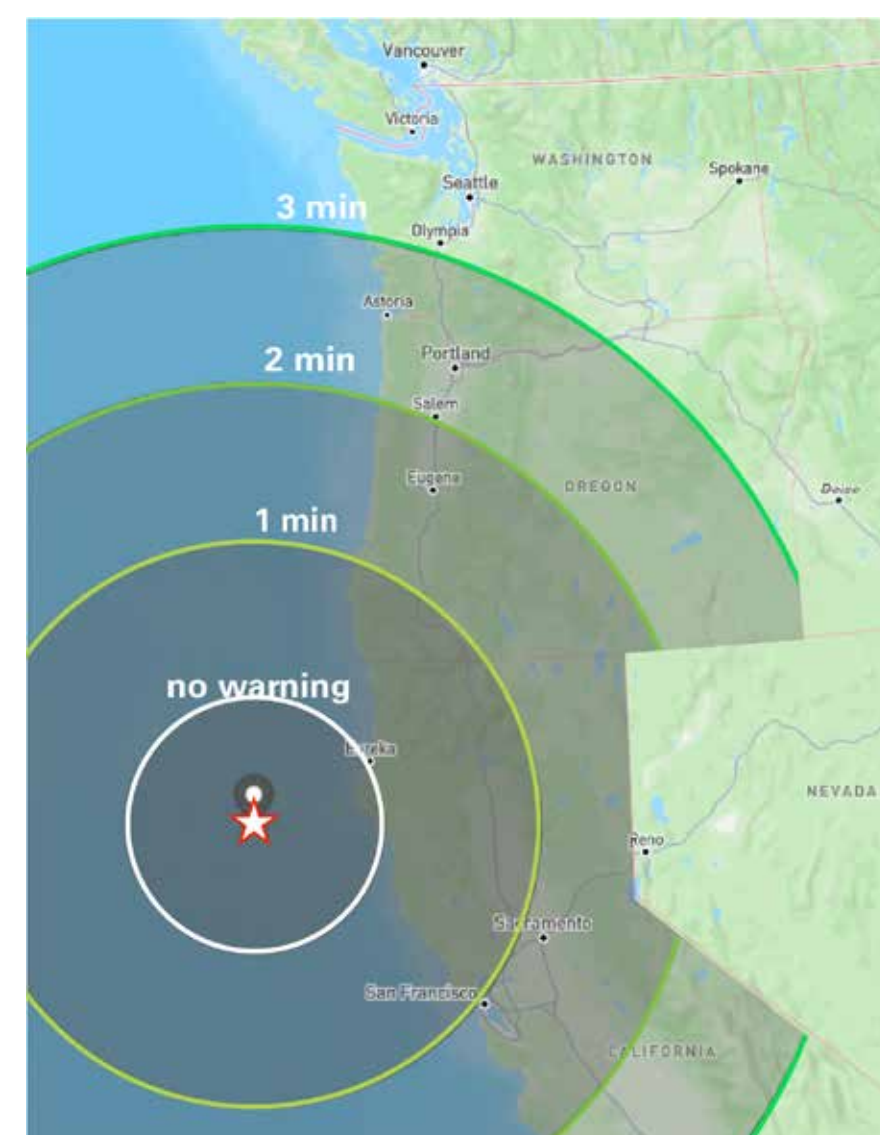


Circles show likely warning times for a M 7.2 Seattle Fault Scenario.

Scenario 2: Cascadia Subduction Zone, M 9.0



USGS ShakeMap for a M 9.0 Cascadia Subduction Zone Scenario.



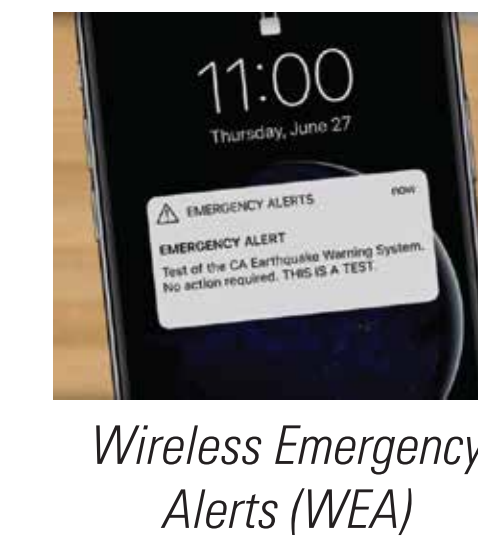
Circles show likely warning times for a M 9.0 Cascadia Subduction Zone Scenario.

## How do alerts turn into action?

ShakeAlert™  
Data product in USGS servers (XML file)

Mass alerting through cell phones

Triggering automated actions



MyShake app (UC Berkeley)

METROLINK

