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IA 2 – Earthquake

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NOTE: This annex also includes landslides as a secondary hazard.

An earthquake of 5 or greater on the Richter Scale may or may not cause widespread damage, but it is a situation that would warrant activating the Emergency Operations Center to better coordinate the flow of information and damage assessment.

Initially, the lead agencies for earthquake response will be the Shasta County Sheriff’s Office and Fire Department. After the initial assessment to determine the extent of damage, injury, and loss of life, the Incident Command System/Operations Section lead may transition to the fire service. As emergency response transitions to recovery, the Public Works Department may be expected to assume the role of lead department in the Incident Command System/Operations Section for the County’s earthquake response. The Public Works Department’s efforts in this response and early recovery phase of the disaster are likely to concentrate on reestablishing public infrastructure facilities.

Earthquake Incident Checklist	
Action Items	Supplemental Information
PRE-INCIDENT PHASE	
<input type="checkbox"/> Continue to maintain and revise, as needed, applicable response plans pertaining to earthquakes and other seismic activity, including the Emergency Operations Plan and supporting procedures and plans.	
<input type="checkbox"/> Pre-designate evacuation routes and alternate routes for areas vulnerable to earthquakes.	
<input type="checkbox"/> Conduct pre-incident planning for sheltering and evacuation related to earthquakes.	
- Prepare map(s) and script to be used on local television station(s) for emergency broadcast. Include release instructions.	
- Prepare radio messaging to be used by local radio stations for emergency broadcast.	
<input type="checkbox"/> Have personnel participate in necessary training and exercises, as needed.	
<input type="checkbox"/> Participate in earthquake preparedness activities, seeking understanding of interactions with participating agencies in an earthquake scenario.	
<input type="checkbox"/> Ensure that emergency contact lists are updated, and establish a pre-event duty roster allowing for 24/7 operations and support for the Shasta County Operational Area Emergency Operations Center.	
<input type="checkbox"/> Ensure that earthquake response equipment and personnel inventories are updated. Test and maintain response and communications equipment. Keep a stock of necessary response supplies.	
<input type="checkbox"/> Inform the Director of Emergency Services of any major developments that could adversely affect response operations (e.g., personnel shortages, loss of firefighting equipment, etc.).	

Earthquake Incident Checklist	
Action Items	Supplemental Information
<input type="checkbox"/> Work with the Planning Department and local planning commissions to establish appropriate infrastructure protection measures in landslide-prone areas.	
- Implement seismic inspection procedures on a regular basis and incorporate improvements to structures, while also updating appropriate mitigation plans.	
<input type="checkbox"/> Provide public safety information and educational programs regarding emergency preparedness and response.	
RESPONSE PHASE	
<input type="checkbox"/> Activate the Emergency Operations Plan when earthquake and/or seismic incidents pose threats.	
<input type="checkbox"/> Activate the appropriate Emergency Operations Center and establish Incident Command. For larger events that cross multiple jurisdictions, establish a Unified Command. Staffing levels vary with the complexity and needs of the response. At a minimum, the Incident Commander, all Section Chiefs, the Resource Coordinator, and management support positions will most likely be needed.	
<input type="checkbox"/> Estimate emergency staffing levels and request personnel support.	
<input type="checkbox"/> Ensure that action is taken to protect personnel and emergency equipment from possible damage by earthquake, also being cognizant of aftershocks.	
<input type="checkbox"/> Develop work assignments for Incident Command System positions (<i>recurring</i>).	<i>ICS Form 203 – Organization Assignment List</i>
<input type="checkbox"/> Notify supporting agencies.	
- Identify local, regional, State, and federal agencies/entities that may be able to mobilize resources to support local response efforts and Emergency Operations Center staffing.	
<input type="checkbox"/> Determine the type, scope, and extent of the incident (<i>recurring</i>). Verify reports and obtain estimates of the area that may be affected. Obtain status of impacts within the jurisdiction.	<i>ICS Form 209 – Incident Status Summary.</i>
- Notify Command Staff, support agencies, adjacent jurisdictions, County Emergency Function leads/coordinators, and liaisons of any situational changes.	
<input type="checkbox"/> Develop and initiate shift rotation plans, including briefing of replacements during shift changes.	
- Dedicate time during each shift to preparing for shift change briefings.	<i>Incident Action Plan</i>
<input type="checkbox"/> Confirm or establish communications links among Operational Area, other local Emergency Operations Centers, Agency Operations Centers, Inland Region Emergency Operations Center and the State Operations Center. Confirm operable phone numbers and verify functionality of alternate communications resources.	

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<p><input type="checkbox"/> Ensure that all required notifications have been completed. Consider other local, regional, tribal, State, and federal agencies/entities that may be affected by the incident. Notify them of the status.</p>	
<p><input type="checkbox"/> Manage and coordinate interagency functions. Providing multi-agency coordination is the primary goal. Assimilate into a Unified Command structure if the scope of the incident so dictates.</p>	
<p><input type="checkbox"/> Implement local plans and procedures for earthquake operations. Ensure that copies of all documents are available to response personnel. Implement agency-specific protocols and Standard Operating Procedures</p>	<p><i>Local, agency, and facility-specific Standard Operating Procedures</i></p>
<p><input type="checkbox"/> Conduct and obtain current damage reports and determine the affected area (<i>recurring</i>).</p>	
<p><input type="checkbox"/> Determine the need to conduct evacuations and sheltering activities (<i>recurring</i>). Evacuation activities will be coordinated among County EF 1 – Transportation; EF 5 –Management; EF 6 – Care and Shelter; and EF 15 – Public Information.</p>	
<p><input type="checkbox"/> Determine the need for additional resources and request as necessary through appropriate channels (<i>recurring</i>).</p>	
<p><input type="checkbox"/> Submit a request for emergency/disaster declaration, as applicable.</p>	
<p><input type="checkbox"/> Activate mutual aid agreements. Activation includes placing backup teams on standby and alerting resource suppliers of both potential and current needs.</p>	
<p><input type="checkbox"/> Coordinate resource access, deployment, and storage in the operational area. Resources to coordinate include equipment, personnel, facilities, supplies, procedures, and communications. Track resources as they are dispatched and/or used.</p>	<p><i>ICS Resource Tracking Forms</i></p>
<p><input type="checkbox"/> Develop plans and procedures for registering mutual aid and other first responders as they arrive on the scene and receive deployment orders.</p>	
<p><input type="checkbox"/> Participate in a Joint Information Center and designate a lead Public Information Officer for the jurisdiction.</p>	
<p><input type="checkbox"/> Formulate emergency public information messages and media responses utilizing “one message, many voices” concepts (<i>recurring</i>).</p>	
<p>- Public information will be reviewed by the Incident Commander (or designee). Information will be approved for release by the Incident Commander and lead Public Information Officer prior to dissemination to the public.</p>	
<p><input type="checkbox"/> Record all Emergency Operations Center and individual personnel activities (<i>recurring</i>). All assignments, person(s) responsible, and actions taken should be documented in logbooks.</p>	<p><i>Emergency Operations Center Planning Section Position Checklist, ICS Form 214 – Unit Log</i></p>

Earthquake Incident Checklist	
Action Items	Supplemental Information
<input type="checkbox"/> Record all incoming and outgoing messages (<i>recurring</i>). All messages, and the names of those sending and receiving them, should be documented as part of the Emergency Operations Center log.	
<input type="checkbox"/> Develop and deliver situation reports (<i>recurring</i>). At regular intervals, the Emergency Operations Center Director and staff will assemble a situation report.	
<input type="checkbox"/> Develop and update the Incident Action Plan (<i>recurring</i>). This document is developed by the Planning Section and approved by the Incident Commander. The Incident Action Plan should be discussed at regular intervals and modified as the situation changes.	<i>ICS Form 202 – Incident Objectives, ICS Form 203 – Organization Assignment List, ICS Form 204 – Assignment List, ICS Form 205 – Incident Radio Communications Plan, ICS Form 206 – Medical Plan, Safety Message, Incident Map</i>
<input type="checkbox"/> Implement objectives and tasks outlined in the Incident Action Plan (<i>recurring</i>).	
<input type="checkbox"/> Coordinate with private-sector partners, as needed.	
<input type="checkbox"/> Ensure that all reports of injuries, deaths, and major equipment damage accrued during response activities are communicated to the Incident Commander and/or the Safety Officer.	
RECOVERY/DEMOBILIZATION PHASE	
<input type="checkbox"/> Ensure an orderly demobilization of emergency operations in accordance with current demobilization plans.	<i>ICS Form 221 – Demobilization Plan</i>
<input type="checkbox"/> Once the threat to public safety is eliminated, conduct and/or coordinate cleanup and recovery operations.	
<input type="checkbox"/> Activate, if necessary, the appropriate recovery strategies, continuity of operations plans, and/or continuity of government plans.	
<input type="checkbox"/> Release mutual aid resources as soon as possible.	
<input type="checkbox"/> Conduct a post-event debriefing to identify success stories, opportunities for improvement, and development of the After Action Report/Improvement Plan.	
<input type="checkbox"/> Deactivate/demobilize Emergency Operations Center, Agency Operations Centers, and command posts.	
<input type="checkbox"/> Correct any response deficiencies reflected in the Improvement Plan.	
<input type="checkbox"/> Revise any applicable emergency response plans based on the success stories and/or lessons learned during the response.	
<input type="checkbox"/> Submit valuable success stories and/or lessons learned to the Lessons Learned Information Sharing website (www.llis.gov)	