Oregon Office Of Emergency Management

2014 State of Oregon

Threat and Hazard Identification and Risk Assessment (THIRA)

The THIRA follows a four-step process, as described in Comprehensive Preparedness Guide 201, Second Edition:

1. Identify the Threats and Hazards of Concern. Based on a combination of past experience, forecasting, expert judgment, and other available resources, communities identify a list of the threats and hazards of primary concern to the community.
2. Give the Threats and Hazards Context. Communities describe the threats and hazards of concern, showing how they may affect the community.
3. Establish Capability Targets. Communities assess each threat and hazard in context to develop a specific capability target for each relevant core capability. The capability target defines success for the capability.
4. Apply the Results. Communities estimate the required resources per core capability to meet the capability targets.

The THIRA helps communities determine what they need to prepare for, what resources they require, and what their current gaps are. Communities can use this information to help them efficiently build and sustain preparedness capabilities.

If you have questions regarding the 2014 THIRA, or the THIRA process, please contact:

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THIRA SECTIONS

THREATS AND HAZARDS

The State of Oregon has identified a Cascadia Subduction Zone (CSZ) earthquake and tsunami as well as a multiple improvised explosive device (IED) scenario as primary threats and hazards having the greatest potential effect on capabilities in the state. As a natural disaster and human-caused terrorist attack, these two scenarios complement one another to most stress all 31 core capabilities. For example, while the magnitude of the CSZ scenario will most stress many core capabilities (ex. *Mass Search and Rescue Operations*), the IED scenario best stresses the core capabilities that pertain more to a human-caused event (ex. *Interdiction and Disruption*, *Intelligence and Information Sharing*).

CORE CAPABILITIES

The National Preparedness Goal has identified 31 core capabilities that communities will most need to achieve optimal levels of preparedness. Capabilities are the means to accomplish a mission, function, or objective, and *core capabilities* are the most essential of capabilities for emergency management and homeland security. For more information on core capabilities, visit *https://www.fema.gov/core-capabilities*.

1. Planning
2. Public Information and Warning
3. Operational Coordination
4. Forensics and Attribution
5. Intelligence and Information Sharing
6. Interdiction and Disruption
7. Screening, Search, and Detection
8. Access Control and Identity Verification
9. Cybersecurity
10. Physical Protective Measures
11. Risk Management for Protection Programs and Activities
12. Supply Chain Integrity and Security
13. Community Resilience
14. Long-term Vulnerability Reduction
15. Risk and Disaster Resilience Assessment
16. Threats and Hazard Identification
17. Critical Transportation
18. Environmental Response/Health and Safety
19. Fatality Management Services
20. Infrastructure Systems
21. Mass Care Services
22. Mass Search and Rescue Operations
23. On-scene Security and Protection
24. Operational Communications
25. Public and Private Services and Resources
26. Public Health and Medical Services
27. Situational Assessment
28. Economic Recovery
29. Health and Social Services
30. Housing
31. Natural and Cultural Resources

DESIRED OUTCOMES AND IMPACTS

Each core capability contains a section describing the desired outcome(s) and impacts. Desired outcomes describe the timeframe and level of effort needed to successfully deliver core capabilities. The impact statement describes how a threat or hazard might affect a core capability within the state. Together they describe actionable goals and the anticipated effects of the threats and hazards as they exist today in Oregon.

CAPABILITY TARGETS

Capability targets define success for each core capability based on the identified threats and hazards (CSZ and multiple IED scenarios). These are aspirational statements that define success and describe what the community wants to achieve for each core capability.

RESOUCE REQUIREMENTS

The resource requirements section estimates the type and number of resources needed to achieve the capability target under each core capability. As of the 2014 THIRA, this section is in development and benefits greatly from state, tribal, and local input.

THREATS AND HAZARDS

CATEGORY	THREAT/HAZARD	CONTEXT	TERRORISM
Natural	**Earthquake**	**Cascadia Subduction Zone (CSZ) Earthquake** February 6, 2013, 9:41 a.m. PST On the morning of Wednesday, February 6 (winter conditions and generally not "tourist season," but during school and business hours), a 9.0 magnitude earthquake occurs on the Cascadia Subduction Zone (CSZ) off the coast of Oregon. While the epicenter is approximately 50 miles west of Florence, Oregon, most of the previously locked plate boundary off of Oregon moves during this event. This earthquake produces intense ground shaking for more than four minutes, subsidence, liquefaction, and landslides. Many fires are ignited. A tsunami is also produced. Damage to structures results from the energy of shaking, and in many places due amplified shaking and ground displacement due to liquefaction, and loss of soil-bearing capacity, particularly in areas of liquefaction. Damage is also produced by landslides. Damaged structures include buildings, roads, bridges, and other infrastructure. Many people (approximately 700) are killed directly by this event, and many others (approximately 12,000) are injured or trapped. Aftershocks, some quite large, continue for months after the initial earthquake.	**No**
Human-caused	**Explosive Devices**	**Improvised Explosive Device Events** December 5, 2013, 4:25 p.m. PST Late on the afternoon of Thursday, December 5, the Governor and other Oregon elected officials are gathered with several hundred members of the general public in Salem's Capitol Rotunda for a ceremony marking the beginning of the holiday season. This event is to include the annual Capitol Building tree-lighting. A nearby university choir is singing when several improvised explosive devices (IEDs) detonate, filling the Rotunda with black smoke. The explosions immediately kill an estimated 20 people. Dozens more are injured. Among the injured are the Governor and several other state elected officials. Other participants are overcome by the smoke, and also require hospitalization. On the same afternoon, Eugene is hosting a large holiday event in the downtown area. An estimated 1,000 people are gathered in a large city park and in surrounding areas. A band on a mobile stage has attracted several hundred listeners. Surrounding the stage and scattered throughout the large park are vendors who have come to provide food and items for sale to the visitors. During a break in the music, the crowd hears many explosions from around the event occurring one after another. Forty people are initially killed, and over 150 more are injured.	**Yes**

Planning Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Update and maintain the Oregon Emergency Management Plan, which includes mitigation and recovery components, as well as related documents such as annexes and checklists. Update and maintain continuity of operations plans, annexes, and checklists. Ensure staff at each involved state agency or personnel working in the State Emergency Coordination Center (ECC) maintain an appropriate level of training on each plan and process.	Regular planning projects on hold; qualified staff reassigned to support incident.
Explosive Devices		Diminished capability for regular planning functions in aftermath of incident.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Review and update 100% of state, regional, and local plans encompassing all mission areas (e.g. prevention, protection, mitigation, response, and recovery) every two years to ensure plans are accurate, identify critical objectives/proposed actions, the sequence and scope of proposed actions required to achieve the objectives, and detailed procedures/checklists.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Public Information and Warning Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	During response and recovery phases, be able to receive, confirm, coordinate, and provide accurate information to local jurisdictions and the public. During preparedness and mitigation, be able to effectively provide information to local jurisdictions and public aimed at reducing vulnerability.	This event will lead to the failure of some warning systems and overwhelm others; recovery of some systems will be slow depending upon availability of backup resources and location of those resources. This will make providing timely and accurate warning and information to public difficult.
Explosive Devices		Increase in public interest and fear in aftermath of incident may exceed capacity of state public information officers to keep-up.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Provide timely and accurate information to the general public and 100% of local governments within the first 24 hours of event using normal or alternate systems and methods of warning and information delivery; state public information officers activate the Joint Information Center and staff around the clock in support of the event.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Operational Coordination Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Be able to fully activate State ECC within two hours following the incident; establish and maintain an operational structure and processes to respond to requests from local jurisdictions. Formally notify FEMA of the incident and begin processes required to receive federal assistance on behalf of Oregon.	Operational coordination capacity is likely to be overwhelmed; having the State Emergency Coordination Center fully activated and staffed around the clock for a long duration will create a need for additional trained personnel.
Explosive Devices		Event is likely to cause a disruption of routine work in order to provide an effective and immediate response to IED incidents, and to support agencies involved with that response.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within the first 2 hours, successfully stand up operations and coordination centers to ensure effective response coordination with sufficiently trained main and backup personnel to fill 100% of operation center positions for around-the-clock operations for extended periods of time.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Forensics and Attribution Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	N/A	N/A
Explosive Devices	Provide sufficient forensics and attribution resources and skills, as well as support to local and federal law enforcement agencies, to result in the prevention of initial or follow-up attacks.	The events described in the scenario (context statement) are likely to stretch state forensics capabilities.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Routinely and collaboratively provide daily resources, expertise, and information to law enforcement (to include federal officials) to enhance their ability to conduct forensic analyses in an overall effort to detect, investigate (to include physical evidence collection and analysis), respond to, and prevent initial and/or further criminal and terrorist activity. In the event of a threat, imminent attack and/or initial attack, immediately begin to conduct forensic analyses and attribute threat/attack (to include means and methods of terrorism) to their source.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Intelligence and Information Sharing Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	N/A	N/A
Explosive Devices	Ensure that government, private and PNP sectors, and the public have accurate and timely information to make informed decisions.	Decreased communications capabilities at the incident sites may occur, slowing the process of information gathering and sharing.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

In an effort to prevent and protect from initial and/or subsequent acts of terrorism, routinely operate within the intelligence cycle (e.g. planning and direction, collection, processing, analysis and production, and dissemination) and ensure standard processes and procedures are in place to share/receive timely, accurate, and actionable information with/from appropriate levels of government and stakeholders (e.g. federal, state, local, tribal, private sector entities).

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Interdiction and Disruption Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	N/A	N/A
Explosive Devices	Reduce or eliminate terrorist acts by preventing the movement of the people and materials necessary to carry them out.	Confidence in the ability of law enforcement to prevent terrorism acts will be significantly reduced by the multiple locations of IEDs described in the scenario (context statement); also, law enforcement efforts to prevent these events generally may be diminished for a time due to the focus on the events described in the scenario, the possibility of related IEDs in other locations, and reassigning work priorities to forensics and attribution.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

In order to prevent and protect against acts of terrorism, law enforcement agencies routinely coordinate with all levels of law enforcement agencies (e.g. federal, state, tribal, county, city) as appropriate, and achieve/maintain a capacity to intercept and disrupt all movements of persons seeking to carry out those attacks and associated materials. Law enforcement agencies maintain a capacity to fully support possible requests to assist with interdiction and disruption efforts.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Screening, Search, and Detection Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	N/A	N/A
Explosive Devices	Be able to discover, locate, and identify imminent threats without unduly hampering commerce and civil liberties; a well-informed general public better able to protect themselves, their families and/or businesses.	The event described in the scenario (context statement) for a short while would likely cause the reassignment of law enforcement officials at all levels towards increased screening, search, and detection and away from routine duties, thereby affecting other facets of law enforcement.

Journal Notes/Comments: Desired Outcomes and Impacts

Notes: The Prevention mission area comprises the capabilities necessary to avoid, prevent or stop a threatened or actual act of terrorism. It is focused on ensuring we are optimally prepared to prevent an imminent terrorist attack within the United States.

The Protection Framework houses "the capabilities necessary to secure the homeland against acts of terrorism and manmade or natural disasters."

CAPABILITY TARGET

To prevent and protect from an act of terrorism, routinely conduct screening, search, and detection activities (to include systematic examinations and assessments, sensor technologies, or physical investigations and intelligence) at 100% of at-risk facilities and events (e.g. public gatherings, critical infrastructure nodes, government buildings, etc.) necessary to identify, discover, locate, and ultimately prevent 100% of persons and materials attempting to conduct IED incidents from being successful.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Access Control and Identity Verification Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	N/A	Following the scenario (context statement) described, systems and card readers nonfunctional initially; access control and credentialing systems needed for arriving responders, mutual aid resources, and volunteers inaccessible or nonfunctional.
Explosive Devices	All relevant agencies ensure ability to accurately identify 100% of requests/attempts for physical and/or cyber access to specific locations and/or networks and systems; access to IED incident locations in the scenario (context statement) restricted to authorized response personnel, including law enforcement.	Scenario would require robust access control and identity verification at the IED scenes, including good procedures to verify the identity of responders arriving on scene.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 24 hours following a catastrophic Cascadia event, be able to implement and maintain adequate protocols to verify identity and authorize, grant, or deny physical and/or cyber access to authorized personnel (e.g. first responders, primary and support agency personnel, credentialed volunteers, etc.) to specific locations in/surrounding the impact area (e.g. designated disaster zone boundaries, staging areas, critical infrastructure, hazardous locations, etc.), information, and networks.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Cybersecurity Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Valid for both scenarios (context statements); prevent non-authorized use/exploitation of, and damage to electronic communications systems and data, and have the ability and resources to restore these systems quickly and completely.	Physical damage anticipated by this scenario would likely lead to access to systems that is otherwise protected by physical barriers; however, unauthorized remote access to systems and data might be less likely due to damage to towers, dishes, and relays.
Explosive Devices		

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Protect against 100% of malicious activity meant to inflict damage, provide unauthorized use to, and/or exploit any and all electronic communications systems, services, networks, and the information contained within. Within 48 hours following an act of terrorism or natural disaster, re-establish electronic communications systems to a level sufficient to support response and recovery (to include a prioritization for critical infrastructure facilities); fully re-establish systems within two months.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Physical Protective Measures Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Valid for both scenarios (context statements), be able to protect state assets and functions, as well as support local jurisdictions and private/PNP facilities as appropriate, to protect their assets and functions against physical threats.	As networks and systems fail following this catastrophic incident, physical protective measures are diminished until systems return to a fully functional status.
Explosive Devices		The nature of the events described in the scenario (context statement) likely would reduce the ability of state and local law enforcement to provide physical security at the sites for a short time period; also, the events described would lead to a heightened concern and fear amongst a significant percent the public regarding the safety of people and property.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 48 hours of a Cascadia event, identify and prioritize 100% of critical facilities and systems across all levels (state, local, private/PNP facilities, etc.), and ensure implementation and maintenance of risk-informed physical protections, countermeasures, and policies as necessary for response and recovery.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Risk Management for Protection Programs and Activities Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	An objective risk assessment methodology that provides the state, its local governments, Tribes, and private/PNPs to be able to effectively prioritize actions being performed and resources being utilized to make the greatest difference in reducing vulnerability.	The event described in the scenario (context statement) would divert - for a while - some of resources that are otherwise focused on evaluating risk and vulnerability to a wide range of hazards.
Explosive Devices		Personnel normally focused on identification and assessment of risk, especially as additional IED threats may exist in other locations, may be reassigned for a time to forensics and attribution.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within two years state agencies agree upon an effective objective risk assessment methodology; based on lessons learned from the IED scenario, be able to identify and prioritize sites/events needing increased physical protective measures (ex. security personnel, physical barriers, etc.) to reduce future vulnerability

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Supply Chain Integrity and Security Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	State agencies work with local governments and key private/PNP organizations to ensure the functionality of high priority supply nodes and transportation systems.	This scenario (context statement) would result in significant degradation of the supply chain including a variety of transportation systems, and would result in the deterioration of products requiring refrigeration and/or dependent upon electricity.
Explosive Devices		

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Establish a process to routinely assess the security and resilience , and implement measures to increase the security and resilience, for 100% of supply chain nodes and transit methods for critical supplies/resources (ex. food, potable water, pharmaceuticals, blood products, and building supplies) to ensure their availability after an incident. Within 72 hour following an incident, secure 100% of impacted and unsecured key supply chain transportation nodes throughout the impact area to facilitate incident stabilization and recovery.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Community Resilience Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Create a disaster resilient State of Oregon by achieving the following: protect life and reduce injuries resulting from hazards; minimize public and private property damages and the disruption of essential infrastructure and services from hazards; increase the resilience of local, regional, and statewide economies; minimize the impact of hazards while protecting and restoring the environment; enhance and maintain state capability to implement a comprehensive statewide hazard loss reduction strategy; document and evaluate Oregon's progress in achieving hazard mitigation; motivate the public, private sector, and government agencies to mitigate against the effects of hazards through information and education; and eliminate development within areas so hazardous that the risks to people and property cannot be mitigated.	Estimated over 1,000,000 households impacted west of the Cascades; estimated over 1,000 businesses damaged and without power or otherwise nonfunctional.
Explosive Devices		

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

In order to accomplish mitigation and improve resilience, utilize integrated and collaborative planning bodies (ex. Interagency Hazard Mitigation Team, etc.) to maintain, improve, and implement Oregon's risk-informed mitigation plan. Ensure 100% of applicable Oregon cities and counties have hazard mitigation plans aligned with the state's hazard loss reduction strategy. Provide and/or participate in regular training and technical assistance for local governments on risk assessment and mitigation.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Long-term Vulnerability Reduction Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Communities, critical infrastruture/lifelines, and systems are built and maintained to be disaster resilient in order that the adverse consequences of events such as those described in the scenario (context statement) are greatly reduced.	Great financial impact to retrofit buildings, schools and infrastructure to reduce and mitigate damage inland and along 296 miles of Oregon coastline.
Explosive Devices		

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within four years, be able to show a measurable decrease in the long-term vulnerability of Oregonians and their critical infrastructure/systems to a Cascadia event.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Risk and Disaster Resilience Assessment Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	An objective method for determining risk and resilience that provides the state, its local governments, Tribes, and private/PNPs with the information needed to take informed actions that reduce risk and increase resilience.	The event described in the scenario (context statement) would divert - for a while - some of resources that are normally focused on evaluating risk and resilience, but would provide a powerful incentive for earthquake risk reduction and resilience measures.
Explosive Devices		N/A

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Participate in the development of an objective method (refined from existing statewide and regional risk assessments). Complete regular risk assessments for determining risk and resilience that provides 100% of levels of government, government agencies, Tribes, and private/PNPs with the information needed to take informed actions that reduce risk and increase resilience; further develop the ability of this methodology to account for cyber and socioeconomic interests.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Threats and Hazard Identification Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Threats and hazards affecting Oregon are fully characterized including probable recurrence intervals and severities; this information is integrated into various planning processes including findings of fact analyses.	The event described in the scenario (context statement) likely would temporarily divert staff responsible for threats and hazard assessments due to a focus on response to and recovery from the event.
Explosive Devices		

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Identify threats and hazards, to include risks from Cascadia event, through risk assessments conducted on a five-year cycle; refine methodology in alignment with national standards.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Critical Transportation Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Be able to move people, animals, equipment, and supplies for response priority objectives within 72 hours of event occurrence.	Oregon anticipates moderate to severe damage to bridges, roadways, tunnels, ferry landings, ports, airports, and other critical transportation infrastructure. Some communities will be isolated due to damaged road and bridges, debris, and landslides. Widespread transportation issues are expected west of the Cascades, in the Coast Range, and along the Oregon Coast.
Explosive Devices		Overwhelm at local level near incident site for transport of victims; ingress/egress closed for safety reasons causing reroutes causing traffic issues in local area.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

In response to effects to critical transportation, initiate the following within 20-24 hours and complete within 7 days: prioritize restoration of lifeline roads and rail lines based on operational needs, damage and safety assessments; expand roadway debris removal operations beyond lifeline routes to include other prioritized routes; establish transportation priorities for open routes; establish coastal ocean transportation system while roads, bridges, and air travel are out of service; identify and mobilize heavy equipment and personnel needed for repairs; institute temporary vehicle restrictions; open additional roadways to support evacuation of both people and animals; re-establish airports and enact flight restrictions (coastal priorities); initiate repair of ports and docks.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required
Incident Management	Incident Management Team	Type I	7
Incident Management	Airborne Transport Team (Fixed-Wing)	Type I	10

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs	Other	1
ODOT operations leadership for State ECC ESF 1	Other	3
Leadership for NG Civilian Support Teams for State ECC ESF 1	Other	3
Regional operations leadership from US DOT for State ECC ESF 1	Other	3
Aircraft and crews (especially helicopters) to deliver or drop resources into isolated areas	Other	50
Amphibious landing craft and crews to deliver resources into	Other	15

isolated coastal areas		
FAA management of air space in ways that support response and recovery	Other	1
Crews to assess/expediently repair major seaport facilities	Other	5
Crews to assess/expediently repair major airport facilities	Other	7
Crews to assess/expediently repair critical ground transportation routes	Other	50

Journal Notes/Comments: Resource Requirements

Environmental Response/Health and Safety Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 48 hours assess and contain extremely hazardous facilities throughout the state for hazardous conditions resulting from a CSZ event in support of the responder operations and the affected communities.	It is estimated that there are about 850 facilities with extremely hazardous substances within the impacted areas in Oregon and up to 18,000 facilities with reportable quantities of less hazardous substances. Of the former, it is estimated that about 85 facilities would receive complete to moderate damage.
Explosive Devices		Possible shortage of personnel trained to respond in local areas that can ensure safety of responders.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 48 hours, assess 100% of facilities with extremely hazardous substances and contain those significantly affecting the environment, population, or responders.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required
Fire and HazMat	U.S. Coast Guard National Strike Force	N/A	1
Fire and HazMat	Fire Boat	Type I	10
Fire and HazMat	Fuel Tender (Gasoline, Diesel, AvGas, aka Gas Tanker)	Type I	300
Public Works	Tug Boat (General)	Type I	10

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs, especially air and ground support	Other	1
DEQ operations leadership for State ECC ESF 10	Other	3
OSFM operations leadership for State ECC ESF 10	Other	3
Fully equipped and staffed HazMat teams	Other	14
DEQ staff to lead/advise field response as coordinated from State ECC (two shift total)	Other	12
DEQ staff to lead/advise field response as coordinated from OHA AOC (two shift total)	Other	12
Leadership for NG Civilian Support Teams for State ECC ESF 10	Other	3
Fully equipped National Response Team	Other	1
Fully equipped Regional Response Teams	Other	5

Equipped EPA field response staff as coordinated from State ECC (two shift total)	Other	500
Equipped EPA field response staff as coordinated from OHA AOC (two shift total)	Other	500
Equipped EHS facility managers and crews capable of responding	Other	450
Equipped local fire/hazmat response task forces	Other	150
Equipped fire/HazMat mutual aid task forces	Other	100
Local public/environmental health staff	Other	36
NG, USCG, OSP, and private sector surveillance aircraft	Other	25
Satellite reconnaissance image interpreters	Other	3
NG and private sector helicopters to deploy containment crews to worst locations	Other	12
Staging locations in Redmond and Klamath Falls	Other	2
Forward posts in Portland, Salem, Eugene, and Medford	Other	4
Chemical, Biological, Radiological/Nuclear, and Explosive (CBRNE) - Enhanced Response Force Package (CERFP)	Other	1

Journal Notes/Comments: Resource Requirements

Fatality Management Services Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 24 hours, establish disaster mortuary service operations for deceased individuals and crisis counselling for affected populations.	The approximate 700 fatalities in Oregon with significant affected population needing crisis counselling services.
Explosive Devices		Initially, 55 people are killed between two incident locations.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 0-72 hours, initiate and ultimately establish fatality management services (to include identification, documentation, and storage of deceased) and temporary mortuary services to accommodate 100% of fatalities, provide information to appropriate agencies to facilitate family reunification with identified remains, and support the significant populations needing crisis counseling services.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs	Other	1
Leadership for Support Annex H to State ECC (State MEO)	Incident Management	3
DMORT teams for fatality management	Other	6
American Red Cross mental health specialists	Mass Care	44

Journal Notes/Comments: Resource Requirements

Infrastructure Systems Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 72 hours restore and stabilize critical infrastructure functions; e.g., power, communciations, water, EOCs, police, fire, and other emergency facilities.	The following facities will experience moderate to severe damage: approximately 275 electric power facilities, 40 natural gas facilities, 35 potable water facilities, 90 wastewater facilities, 75 police stations, 17 EOCs, 450 fire/EMS facilities, 60 hospitals, and 1,200 schools that may serve as shelter facilties.
Explosive Devices		

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 72 hours, assess, stabilize and initiate restoration of the functionality of 100% of critical infrastructure (to include electric power facilities, natural gas facilities, potable water facilities, wastewater facilities, police stations, EOCs, fire/EMS facilities, hospitals, and schools).

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required
Public Works	Grader	Type I	2200
Public Works	Truck, Off-Road Dump	Type I	17600
Public Works	Truck, Tractor Trailer	Type I	4400
Public Works	Cranes, All Terrain & Rough Terrain	Type I	4400
Public Works	Aerial Lift, Self Propelled, Scissor, Rough Terrain	Type I	2200
Public Works	Cranes, Crawler (Lattice)	Type I	2200
Public Works	Floodlights	Type I	17600
Public Works	Track Dozer	Type I	6600
Public Works	Track Loader	Type I	6600
Public Works	Water Pumps, Water Distribution	Type I	4400
Public Works	Wheel Loader Backhoe	Type I	6600
Public Works	Hydraulic Excavator (Large Mass Excavation 13 cy to 3 cy buckets)	Type I	6600

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs	Other	1
ODOT operations leadership for State ECC ESF 3	Incident Management	3
Leadership for NG Civilian Support Teams for State ECC ESF 3	Incident Management	3
Regional operations leadership from EPA for State ECC ESF 3	Incident Management	3

Regional operations leadership from USACE for State ECC ESF 3	Incident Management	3
Equipped EPA field staff to lead water/wastewater recovery as coordinated from State ECC (two shift total)	Other	200
Equipped USACE field staff to assist EPA with above as coordinated from State ECC (two shift total)	Other	200
DEQ scientific support via State ECC ESF 3	Other	3
Prioritize infrastructure/economic regions for recovery in collaboration with industry/operators	Other	1
Establish restoration goals and objectives	Other	1
Operator evaluation of resources available/needed for damage and situational assessments	Other	1
Operator re-evaluation of resources needed for restoration	Other	1
Natural gas and petroleum restoration rely on electric utility restoration, necessitating close coordination	Other	1
Coordination of electricity demand versus supply during restoration in a strategic manner	Other	1
Establish templates/implement legal processes (ORS 401.168, .175, .188, .192, et al.) to facilitate restoration	Other	1
Improve ROW permit acquisition flexibility and post-event access to affected sites	Other	1
Compactors	Other	4400
Fuel tankers	Other	4400
Fuel (various types of petroleum-based liquid fuels, gallons)	Other	14000000
Medium capacity (35gpm) fuel transfer pumps	Other	8800
Water tankers	Other	4400
Maintenance service trucks	Other	4400
Construction trailer offices	Other	2200
Deck barges	Other	20

Journal Notes/Comments: Resource Requirements

Mass Care Services Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 72 hours, provide hydration, feeding, and sheltering services to affected populations and support the reunification of separated families.	• Shelter about 500,000 individuals • Shelter about 300,000 pets • Feed/hydrate about 1,000,000 individuals • Feed/hydrate approximately 700,000 pets • Approximately 25% of the affected population will require reunification services • Approximately 1,200 schools and other sheltering facilities have received moderate to complete damage • Approximately 20% of individuals needing shelter will have additional access and/or functional needs
Explosive Devices		N/A

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 72 hours, provide hydration and feeding services for about 1,000,000 individuals and 700,000 pets and service animals; shelter for about 500,000 individuals and 300,000 pets and service animals, and family reunification service for 25% of the affected population

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required
Mass Care	Shelter Management Team (Mass Care)	Type I	600

Resource Requirements: Other Resources

Resource	Category	Number Required
Temporary Child Care Support Services Team	Mass Care	600
Continued planning, including better estimating of resource needs	Other	1
Shelf stable meals (per week)	Mass Care	14000000
Potable water (liters) for people (per week)	Mass Care	21000000
Feeding Task Force (mix of government and PNP)	Mass Care	1
Shelters	Mass Care	600
Staff for 600 shelters	Mass Care	30000
Training for spontaneous volunteers, etc.	Incident Management	1
Communications assistance for ARC Safe & Well reunification system	Other	1
Water (gallons/day) for animals	Animal Emergency Response	100000

Food for dogs (pounds/day)	Animal Emergency Response	12500
Food for cats (pounds/day)	Animal Emergency Response	5000
Food for horses (pounds/day)	Animal Emergency Response	220000
Community Points of Distribution (C-PODs)	Mass Care	150

Journal Notes/Comments: Resource Requirements

Mass Search and Rescue Operations Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 0-3 hours of CSZ event, initiate comprehensive SAR operations to minimize casualties to the greatest extent possible.	SAR operations required for: • an area covering more than 22,000 square miles • about 14 million cubic yards of building debris • more than 250,000 damaged residential buildings
Explosive Devices		N/A

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 0-3 hours deploy SAR resources (to include personnel, services, animals, and assets) to affected area (to include ground, urban and air-sea), coordinate communication and support needs of SAR operations, assist with transport of injured persons recovered in SAR operations. Complete the life-saving SAR operations within 72 hours of a CSZ event. Initiate the following within 18-24 hours, and complete in 30+ days: track SAR activities and mission status and report information to ECC, track and analyze SAR response needs to determine priority solutions, and identify additional unmet needs, resource shortfalls, and develop contingency plans.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required
Search and Rescue	US&R Task Forces	Type I	15
Search and Rescue	US&R Task Forces	Type II	25
Incident Management	Incident Management Team	Type I	5
Incident Management	Incident Management Team	Type II	18

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs	Other	1
DoD & NORTHCOM Homeland Response Force (HRF)	Other	1
Other state Type 1 USAR Teams via EMAC	Search and Rescue	25
Office of State Fire Marshal leadership and staff from OSFM AOC or equivalent	Fire and HazMat	1
Firefighters to assist with SAR	Search and Rescue	10000
Soldiers to assist with SAR	Search and Rescue	15000

Journal Notes/Comments: Resource Requirements

On-scene Security and Protection Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 24 hours initiate policies and procedures establishing public safety strategy. Within 72 hours reestablish a safe and secure environment for communities and persons through law enforcement and related security and protection operations.	• Initial area of 20,000 square miles with an estimated 144,000 residences will be unoccupied. • Sheltering and mass care facilities to approximately 1200 facilities in need of security services. • Approximately 1/3 of businesses within the affected area will be impacted and or be in an evacuated area. • Critical infrastructure and or services needing security include 63 hospitals, multiple commodity distribution centers, and emergency support facilities such as 17 EOCs.
Explosive Devices		Ingress and egress from incident site not accessible immediately following incident (crime scene); local responders and safety personnel overwhelmed due to the need for immediate, heightened security needs.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 72 hours in response to a CSZ event, implement a security and safety strategy (to include access control, deterrence, crowd and traffic control, peace-keeping missions, etc.) that will foster a secure environment and protect 100% of response personnel engaged in lifesaving operations, operational hospitals, sheltering operations, government and critical facilities, essential supplies, business centers, and communities located within the affected area.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required
Determine security priorities as driven by local needs and requests	Other	1
Out of state law enforcement personnel to assist in-state	Law Enforcement	1000
National Guard (NG) personnel to assist in part by observing and reporting	Other	1000
Out of state United States Coast Guard (USCG) personnel	Other	1000
OSP troopers from other areas or assignments	Other	150
Determine best use of NG and USCG with security of fuel, shelters, and communications	Other	1
Traffic cones	Other	2000

Flares	Other	1000
Review training needs and conduct pre-training for response to the context statement	Other	1

Journal Notes/Comments: Resource Requirements

Operational Communications Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 24 hours, reestablish emergency communications capabilities to support operational response, and within seven to ten days reestablish communications for the general public.	• Communications will be significantly degraded immediately after CSZ event • Approximately 250 communications facilities and structures will sustain moderate to severe damage • Statewide voice/data communications outages will affect up to 3.4 million people • Cell phone capabilities will be overwhelmed
Explosive Devices		Possibly initial overwhelm of 9-1-1 call takers and area PSAPs.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Ensure within 24 hours, interoperable emergency communications capabilities (e.g. Public Safety Answering Points) are established with all entities (e.g. all levels of law enforcement, emergency responders, etc.) throughout the affected areas. Within seven days, assess and initiate actions to repair 100% of public and private communications facilities in an effort to restore telecommunication services to affected populations.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs	Other	1
Amateur radio leadership for State ECC ESF 2	Other	3
Fully equipped amateur radio ARES and RACES operators statewide	Other	100
PUC telecommunications leadership for State ECC ESF 2	Other	3
OMD communications support for State ECC ESF 2	Other	3
ODF communications support for State ECC ESF 2	Other	3
OSP, including OSFM, communications support for State ECC ESF 2	Other	3
ODOT communications support for State ECC ESF 2	Other	3
Fully equipped CAP communications personnel and equipment	Other	50
Statewide interoperable radio communications network	Other	1
Fully equipped CenturyLink telecommunications restoration personnel	Other	25
Fully equipped Frontier telecommunications restoration personnel	Other	5
Fully equipped Verizon Wireless telecommunications restoration personnel	Other	10
OWIN leadership for State ECC ESF 2	Other	3

Journal Notes/Comments: Resource Requirements

Public and Private Services and Resources Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	State is able to provide or facilitate the provision of essential resources and emergency services to the affected population, including emergency power to critical facilities, fuel support for emergency responders, and access to money and staples (e.g., water, food, drugs, etc.).	Damage to communications facilities, ports, hospitals, nursing homes, wastewater facilities, fire and police stations, EOCs, power generation facilities, and other critical infrastructure.
Explosive Devices		N/A

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 72 hours facilitate the provision of public and private sector resources to sustain local and non-local responders and benefit affected populations in order to meet the basic human needs of disaster survivors, to include emergency power to critical facilities, fuel support for emergency responders, and access to community staples (e.g., grocery stores, pharmacies, and banks) and fire and other first response services.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs; better private sector involvement	Other	1
Better involve private sector in local and state training	Other	1
Better involve private sector in local and state exercises	Other	1
Private sector utility/comm. specialists from outside affected areas with vehicles and equipment	Other	1000
Response force for other Critical Infrastructure and Key Resources (CIKR)	Other	11450
Meals per day for CIKR, utility, and communications work force above	Other	37350
Potable water (gallons) per day for CIKR, utility, and communications work force above	Other	49800
52' trailers with portable showers and toilets for work force above	Other	75
Hotel/motel rooms for work force above	Other	3100
10-person tents with heat and light for work force above	Other	600
Medically trained first responders dedicated to work force above	Other	44
Fuel needs per day (gallons) for work force above	Other	180000
Armed private secuity guards to protect work force and associated assets above	Other	700

Journal Notes/Comments: Resource Requirements

Public Health and Medical Services Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 24 hours, initiate emergency health and medical services to support public health and medical needs within most affected areas. Coordinate resource requests to facilitate lifesaving medical operations and public awareness to avoid the spread of disease.	• approximately 12,000 people injured • approximately 2,400 people with disabilities and/or long-term illness injured • approximately 9,000 hospitalized people in need of evacuation and relocation • approximately 30,000 nursing home residents in need of evacuation and relocation
Explosive Devices		Severe localized short-term impact to the medical system. Public health system will assist with coordination of resources for patient movement and maintain public health and medical situational awareness.

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 24 hours, deploy necessary resources to care for approximately 100% of injured people, including 15% with critical medical care needs, and approximately 5% with disabilities and/or chronic illnesses. Within 0-72 initiate the evacuation and relocation of 100% of affected hospitalized patients and nursing home residents.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs	Other	1
DMAT teams for medical surge	Medical and Public Health	10
Activate pre-scripted missions for medical surge: ODMt, MRC, CERF-P, etc.	Medical and Public Health	1
Activate Medical Reserve Corps (MRC)	Medical and Public Health	1
Federal Medical Stations (FMS)	Medical and Public Health	8
Activate Strategic National Stockpile (SNS) for medical supplies, pharmacy, and vaccination	Medical and Public Health	1
Determination of need for medical supplies and pharmaceuticals from national suppliers	Other	1
Activate NDMS to support medical surge	Other	1
National ambulance contract (NAC)	Other	150
NG, USCG, and private sector air assets for coast: supplies in; some	Other	20

patients out		
Determine/implement staging areas for FMS, NAC, SNS, and medical supplies	Incident Management	1
Placard system for medical re-supply	Medical and Public Health	1
Generator support	Other	20
Oxygen generation concentrators	Medical and Public Health	60
Monitor shelters for disease	Medical and Public Health	1
Medical Care Points (MCP) to support coast hospitals	Medical and Public Health	30
Determine blood re-supply needed	Other	1
Amateur radio assets for MCPs to hospitals	Other	30
Epidemiology Strike Teams	Medical and Public Health	4
Environmental assessments to survey facilities for mold	Other	36

Journal Notes/Comments: Resource Requirements

Situational Assessment Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within four hours, establish data collection structure sufficient to inform decision makers with information regarding the nature and extent of damage, the risk of cascading effects, and the status of response efforts.	• approximately 32,000 square miles along the Pacific Coast and the I-5 corridor will experience some level of shaking ranging from moderate to extreme (MMI IV-IX) • approximately 3,000,000 people along the Pacific Coast and the I-5 corridor will be impacted by a CSZ event and will require some degree of response assistance • Normal situational awareness systems will be affected through the loss of staff, incapacitated systems and tools, loss of communications infrastructure, and competing priorities throughout the affected areas
Explosive Devices		N/A

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within four hours, implement sufficient structure and process to inform decision makers with the information needed regarding the nature and extent of the damage across 100% of impact area and to monitor response efforts launched in aid of 100% of people and animals impacted by the event.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs		1
Generator power to sustain State ECC or COOP location operations and trailer below		2
Internet connectivity at State ECC or COOP location		1
Full size heavy duty truck with towing capabilities		1
COOP trailer able to accommodate 5 workstations, operational equipment and gear		1
Power cords/strips (COOP)		7
Laptop computers (COOP)		5
iPads or tablet computers (COOP)		5
Large monitors, 26" or larger (COOP)		2
Satellite data devices/phones (COOP)		5
Portable radios with charging stations (COOP)		10
Easel and white board (COOP)		3

Portable server (COOP)		2
Cots and bags (COOP)		5
Portable lighting systems, indoor and outdoor (COOP)		2
Overhead projectors with cables and Pelican cases (COOP)		3
Portable plotter with Pelican case and replacement ink (COOP)		1
Large capacity color laserjet printer with Pelican case and replacement ink (COOP)		1
Black and white laser printers with replacement ink (COOP)		2
Prepackaged food/MREs (COOP)		100
Potable water, gallons (COOP)		50
Portable shower (COOP)		1
Portable toilet with toilet paper (COOP)		1
Bleach, gallons (COOP)		5
Hand sanitizer, case (COOP)		1

Journal Notes/Comments: Resource Requirements

Economic Recovery Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Return business activity, including food and agriculture, to a healthy condition and foster new employment and business opportunities, including those focused on disaster recovery and building resilience.	Unpredictable changes in the economy due to impacts to homes, businesses, and other entities that contribute to the Oregon economy; many sectors of the economy will be negatively impacted for a considerable time; a few sectors will be positively impacted once recovery is underway due to spending on recovery efforts.
Explosive Devices		

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Develop protocols for post event assessment of economic issues as well as inhibitors to recovery (including laws, statutes, etc.); be able to guide local communities within two weeks of event occurrence on economic revitalization strategies that include respect for civil rights; return affected areas to a sustainable economy within five years.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements

Health and Social Services Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Position the resources necessary to receive and process requests from local jurisdictions to support the restoration of health and social service functions to affected areas within two to seven days.	• About 3,000,000 people along the Pacific Coast and the I-5 corridor will require long-term recovery assistance. • Approximately 600,000 people with disabilities and/or long term illnesses along the Pacific Coast and the I-5 corridor will require long-term recovery assistance. • About 60 hospitals will sustain moderate to severe damage and require significant long-term support in order to remain operational throughout the recovery period. • A significant number of unaccompanied minors will require long-term housing and assistance after a CSZ event
Explosive Devices		N/A

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within two to seven days position resources necessary to receive and process resource requests in support of the restoration of vital health and social service functions for 100% of affected population within the jurisdiction to include vulnerable populations, families of deceased, persons living below poverty levels, and those with functional/access needs. Within 30+ days complete restoration and improvement of health and social service functions to include 100% of affected hospitals, community health facilities, and psychiatric institutions.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required
Incident Management	EOC Management Support Team	Type I	2
Incident Management	Incident Management Team	Type I	2
Incident Management	Rapid Needs Assessment Team	Type I	7

Resource Requirements: Other Resources

Resource	Category	Number Required
GIS Supervisor	Geospatial Information Systems	2
GIS Analyst	Geospatial Information Systems	7
Continued planning, including better estimating of resource needs	Other	1

Oregon DHS leadership for State ECC ESF 6 work related to social services	Other	1

Journal Notes/Comments: Resource Requirements

Health portion of this CC is covered with CC #26, Public Health and Medical Services

Much of the social services portion of this CC is covered with CC #21 Mass Care Services

Housing Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Within 15 to 30 days, assess damage to 100% of residential properties not destroyed within impact region and begin to implement interim housing solutions to support the needs of the whole community and contribute to its recovery.	• approximately 435,000 residential buildings damaged • greater than 250,000 residents in need of interim, then long-term housing
Explosive Devices		N/A

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 15 to 30 days, assess damage to about 100% of affected residential buildings within the impacted areas and begin to implement interim housing solutions for 100% of permanently displaced residents within the jurisdiction.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required
Incident Management	Individual Assistance Disaster Assessment Team	Type I	1

Resource Requirements: Other Resources

Resource	Category	Number Required
Continued planning, including better estimating of resource needs	Other	1
Joint Preliminary Damage Assessment (PDA) teams (FEMA, SBA, ARC, state, and local)	Other	72
FEMA, SBA, ARC, and state PDA leaders/coordinators in State ECC or COOP facility	Other	8
Just in time PDA training for 72 state representatives times two rotations (144 people)	Other	1
Vehicles for PDA and required fuel	Other	72
iPADs or equivalent for RAPTOR reporting of damage from field	Other	72
Kit with food, water, sleeping bag, and tent for each deployed field person	Other	360
ODHTF and regional sub-TFs in Portland, Salem, Eugene, two coast locations and Rogue Valley	Other	7
OHCS staff to supply housing information and analysis	Other	10
ICS, ECC/JFO, earthquake preparedness, and crisis intervention training for OHCS staff	Other	4
Exercises for the ODHTF and sub-TFs (quarterly at first; biannual eventually)	Other	7

Journal Notes/Comments: Resource Requirements

Natural and Cultural Resources Core Capability

DESIRED OUTCOMES AND IMPACTS

Threat/Hazard	Desired Outcomes	Impacts
Earthquake	Be able to protect and restore natural and cultural resources, and historic properties consistent with state priorities and best practices, and in compliance with relevant environmental and historical preservation laws and executive orders.	Normal processes for preservation and handling of natural and cultural resources may be stressed or nonexistent initially due to the absence of regular personnel or other diminished capabilities.
Explosive Devices		

Journal Notes/Comments: Desired Outcomes and Impacts

CAPABILITY TARGET

Within 72 hours of incident occurrence, conduct damage assessment of 100% of natural and cultural resources and provide necessary technical assistance and support to appropriate officials and government agencies to ensure compliance with relevant environmental and historic preservation laws during the response and recovery phases.

Resource Requirements: NIMS Tier I Resources

Category	Resource	Type	Number Required

Resource Requirements: Other Resources

Resource	Category	Number Required

Journal Notes/Comments: Resource Requirements