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Plan and Prepare for the Unexpected: Making a Contingency Plan



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SPECIAL DISTRICTS
ASSOCIATION OF OREGON

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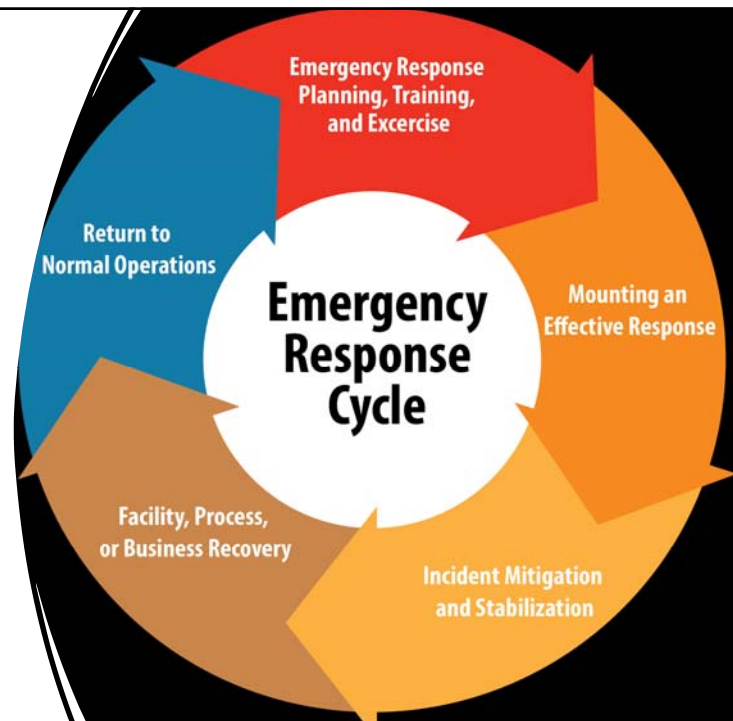
Session Objectives

Provide a brief description of and resources for:

- Risk/Hazard/Vulnerability Assessments
- Critical Infrastructure
- National Incident Management System (NIMS) & the Incident Command System (ICS)
- Developing an Emergency Operations Plan (EOP)
- EOP Annex's
 - Functional
 - Hazard Specific
- Exercises
- Training
- Continuity of Operations (COOP)
- Natural Hazard Mitigation Plan

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Emergency Response Plans



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Risk/Hazard/Vulnerability Assessment



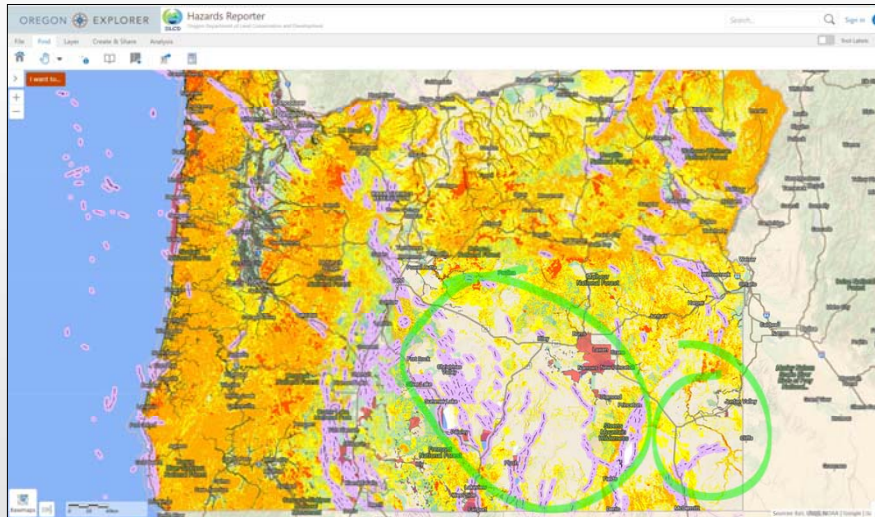
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Risk/Hazard/Vulnerability Assessment



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Risk/Hazard/Vulnerability Assessment

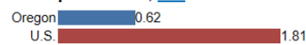


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Hazards in the State of Oregon

Earthquake Index, #17



The earthquake index value is calculated based on historical earthquake events data using USA.com algorithms. It is an indicator of the earthquake level in a region. A higher earthquake index value means a higher chance of an earthquake.

Volcano Index, #2



The volcano index value is calculated based on the currently known volcanoes using USA.com algorithms. It is an indicator of the possibility of a region being affected by a possible volcano eruption. A higher volcano index value means a higher chance of being affected.

Tornado Index, #47



The tornado index value is calculated based on historical tornado events data using USA.com algorithms. It is an indicator of the tornado level in a region. A higher tornado index value means a higher chance of tornado events.

Other Weather Extremes Events

A total of 4,446 other weather extremes events from 1950 to 2010 were recorded in Oregon. The following is a break down of these events:


Type Count	Type Count	Type Count	Type Count	Type Count
Avalanche: 10	Blizzard: 20	Cold: 203	Dense Fog: 18	Drought: 7
Dust Storm: 13	Flood: 369	Hail: 563	Heat: 11	Heavy Snow: 755
High Surf: 25	Hurricane: 0	Ice Storm: 24	Landslide: 19	Strong Wind: 1,151
Thunderstorm Winds: 341	Tropical Storm: 0	Wildfire: 321	Winter Storm: 77	Winter Weather: 22
Other: 497				

USA.com

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Emergency Response Plans

- Earthquake



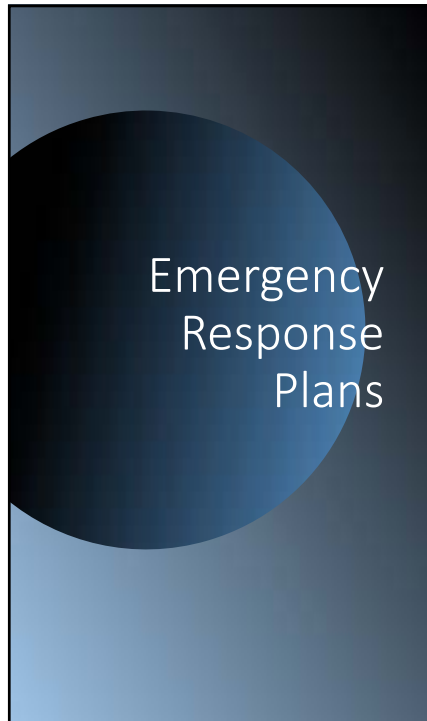
The map shows the Pacific Northwest coast of North America, including Vancouver Island, Washington (WA), Oregon (OR), and California (CA). A yellow line indicates the Cascadia Subduction Zone along the coast.

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Emergency Response Plans

- Earthquake
- [Oregon Office of Emergency Management : Hazard Mitigation Assistance : Grants : State of Oregon](#)

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Earthquake

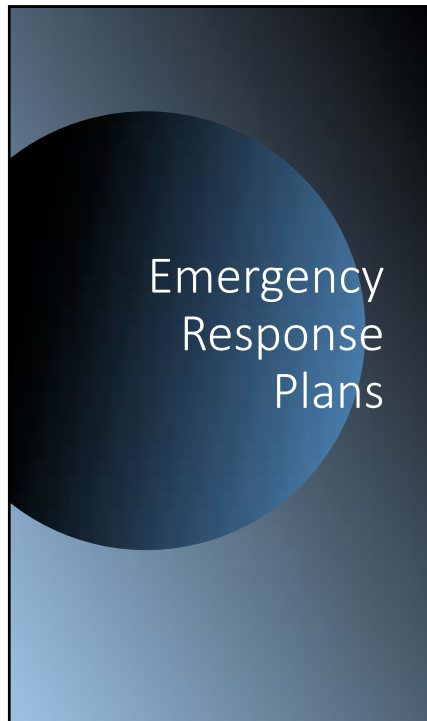
What Should I Do?

Follow the Seven Steps to Earthquake Safety

The infographic features a path of seven numbered steps leading up a hill. The path is yellow and orange, with a red circle around the number 5. The background shows a blue sky with clouds, a silhouette of a house, and silhouettes of people walking.

- 1 Identify potential hazards in your home and begin to fix them.
- 2 Create a disaster preparedness plan.
- 3 Prepare disaster kits.
- 4 Identify your building's potential weaknesses and begin to fix them.
- 5 Protect yourself during earthquakes – "DROP, COVER and HOLD ON."
- 6 After the quake, check for injuries and damage.
- 7 When safe, continue to follow your disaster-preparedness plan.

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Earthquake

[Oregon Office of Emergency Management : Business Preparedness : Hazards and Preparedness : State of Oregon](#)

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Emergency Response Plans

Earthquake

[Plan Ahead for Disasters | Ready.gov](https://www.ready.gov)

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Emergency Response Plans



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Emergency Response Plans

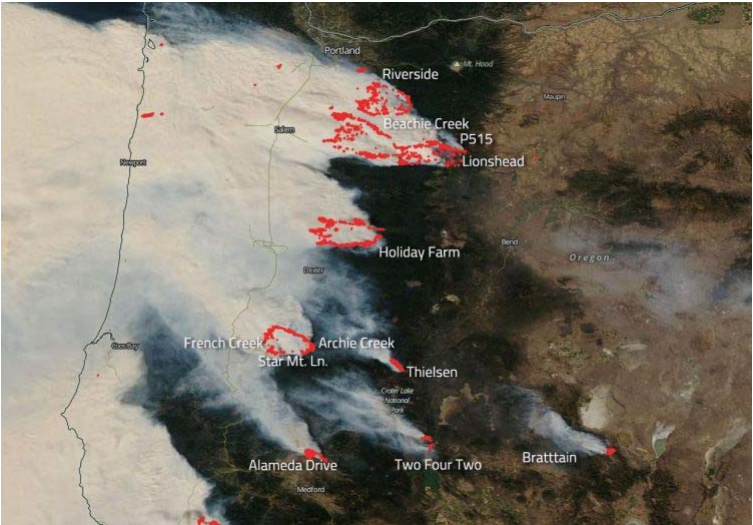


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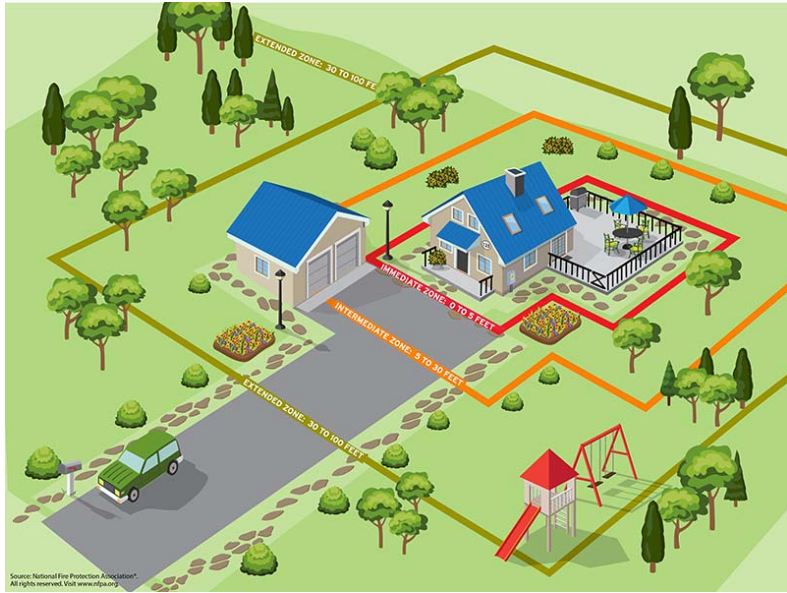
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Emergency Response Plans



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Emergency Response Plans

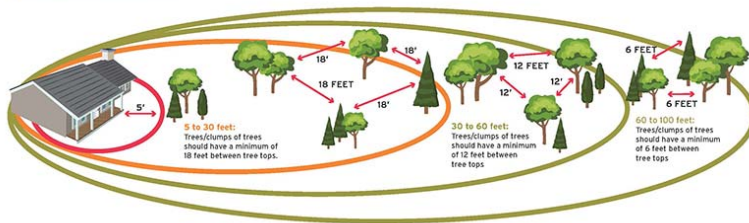


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Emergency Response Plans

Wildfires

TREE SPACING



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Emergency Response Plans

Cyber Attack

- Ransomware
 - Are you ready to pay?
- Phishing
- Training employees what to avoid



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Emergency Response Plans

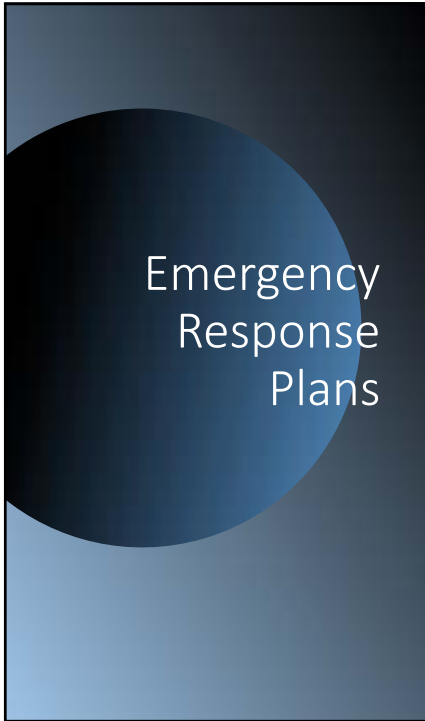
Cyber Attack

- Phishing
- Training employees what to avoid



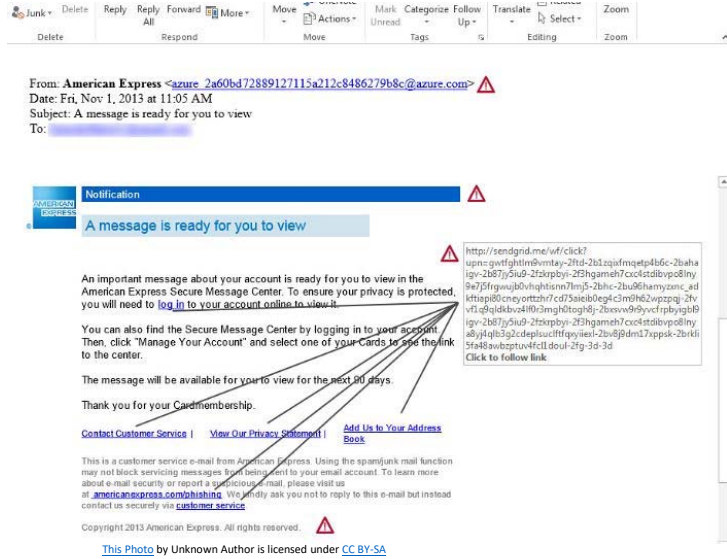
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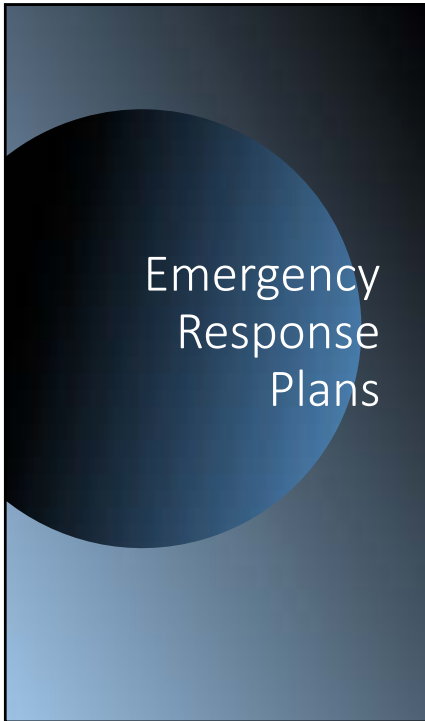


Cyber Attack

- Phishing



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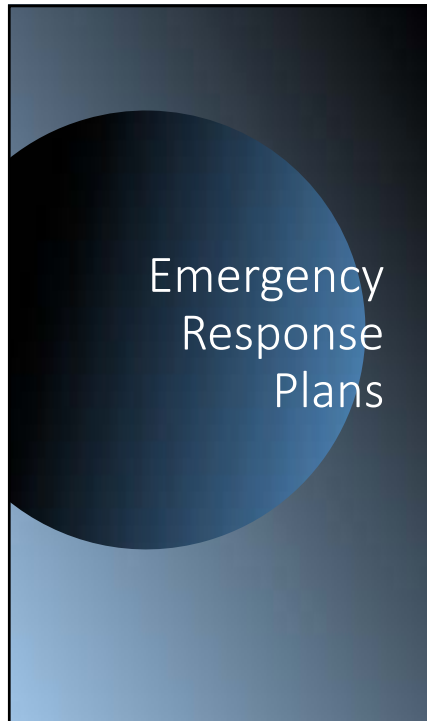
Cyber Attack

- Ransomware
- Are you ready to pay?



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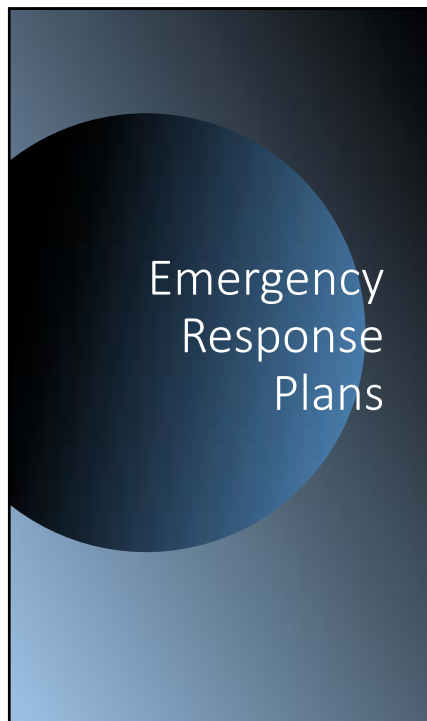
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Workplace Violence/Active Shooter



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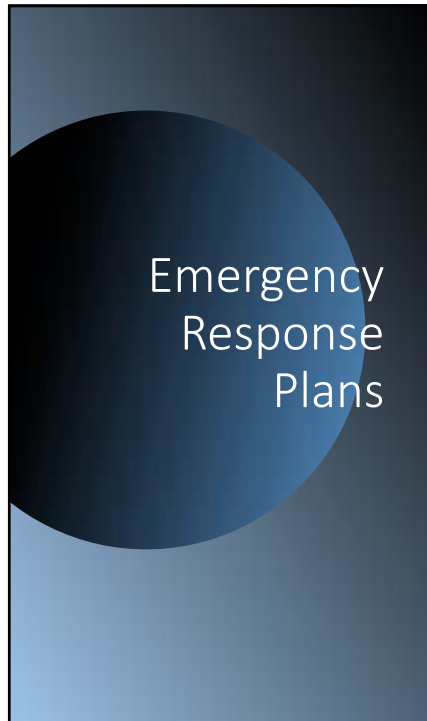


Workplace Violence/Active Shooter



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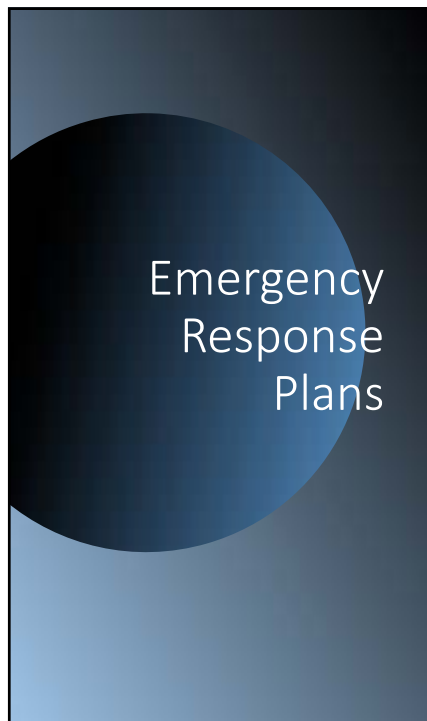
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Workplace Violence/Active Shooter



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Workplace Violence/Active Shooter



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Assessment Resources

Review Local Plans (City, County)

- OR DOGAMI:
 - <https://www.oregongeology.org/default.htm>
 - Data & Publications - Interactive Maps
 - Geo Hazards
- Oregon Explorer:
 - <https://oregonexplorer.info/>
 - Hazards
- FEMA HAZUS:
 - <https://www.fema.gov/hazus/>
 - Methodology for estimating potential losses
 - Critical Infrastructure & Infrastructure Security:
 - <https://www.dhs.gov/cisa/critical-infrastructure-sectors>
 - Homeland Security Digital Library: <https://www.hsdl.org/c/>

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National Incident Management System (NIMS) (All Hazards Approach)

- **NIMS:** standardized approach to incident management and response. Developed by the Department of Homeland Security, it establishes a uniform set of processes and procedures that emergency responders at all levels of government will use to conduct response operations
- <https://www.fema.gov/national-incident-management-system>

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Incident Command System (ICS)

(All Hazards Approach)

The Incident Command System:

- Is a standardized management tool for meeting the demands of small or large emergency or nonemergency situations.
- Represents "best practices" and has become the standard for emergency management across the country.
- May be used for planned events, natural disasters, and acts of terrorism.
- Is a key feature of the National Incident Management System (NIMS).

- ICS Resource Center:

<https://www.fema.gov/incident-command-system-resources>

Developing Emergency Operations Plans

(EOPs)

- Key Elements of a Basic Plan:

- Purpose
- Situation & Assumptions
- Concept of Operations
- Organization & Assignment of Responsibilities

- Guide for All Hazards Emergency Operations Plan:

<https://www.fema.gov/pdf/plan/slg101.pdf>

- Includes planning process and Annex information

- NFPA 1600-Standard on Continuity, Emergency and Crisis Management: <https://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards/detail?code=1600>

Annex's

- Functional:
 - <https://www.fema.gov/pdf/plan/5-ch-0.pdf>
- Emergency Support Function Annex's:
 - <https://www.fema.gov/media-library/assets/documents/25512>
- Threat & Hazard Specific:
 - <https://www.fema.gov/pdf/plan/6-ch-0.pdf>

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Exercises

- Ready.Gov:
 - <https://www.ready.gov/business/testing/exercises>
 -
- Homeland Security Exercise Evaluation Program (HSEEP)
 - principles for exercise programs, management, design development, evaluation, and improvement planning.
- HSEEP Guidebook:
 - https://www.fema.gov/media-library-data/20130726-1914-25045-8890/hseep_apr13_.pdf

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Training

- Ready.Gov:
 - <https://www.ready.gov/business/implementation/training>
- Emergency Management Institute (EMI):
 - <https://training.fema.gov/emi.aspx>
- FEMA Independent Study
 - Independent Study Course List: <https://training.fema.gov/is/crslst.aspx>

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Continuity of Operations Plan (COOP)

AKA: Business Continuity Plan, Business Resumption Plan, etc.

- Continuity Resources and Technical Assistance
- <https://www.fema.gov/policy-plans-evaluations>
 - How will you complete your critical functions if:
 - No access to regular work environment
 - Significant portion of workforce is unable to report for work
 - No or limited access to data/technology

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Natural Hazard Mitigation (NHM)

- Oregon Plan:
 - <https://oregonhazardmitigationplan.webly.com/index.html>
- Local County Plan:
 - <http://www.co.marion.or.us/PW/EmergencyManagement/Pages/NHMP.aspx>
- NHM Planning:
 - <https://www.oregon.gov/lcd/NH/Pages/Mitigation-Planning.aspx>

Questions & Discussion

For more information about our services available to our member districts, visit:

www.sdao.com

Special Districts Association of Oregon
1.800.285.5461
sdao@sdao.com



The diamond-shaped collage features eight distinct images: a firefighter in full gear, a person in a library aisle, a high-voltage power line tower, a blue bus, a harbor with fishing boats, a hand being washed under a running water tap, a child swinging happily, and a field of green crops under a bright sky.