



EMERGENCY MANAGEMENT DIVISION

"A disaster-ready and resilient Washington State"



Cascadia Rising 2022

In Progress Review #2

Washington State

March 17, 2022

Virtual: Microsoft Teams



Administrative Remarks

- Microphones – Mute When Not Speaking

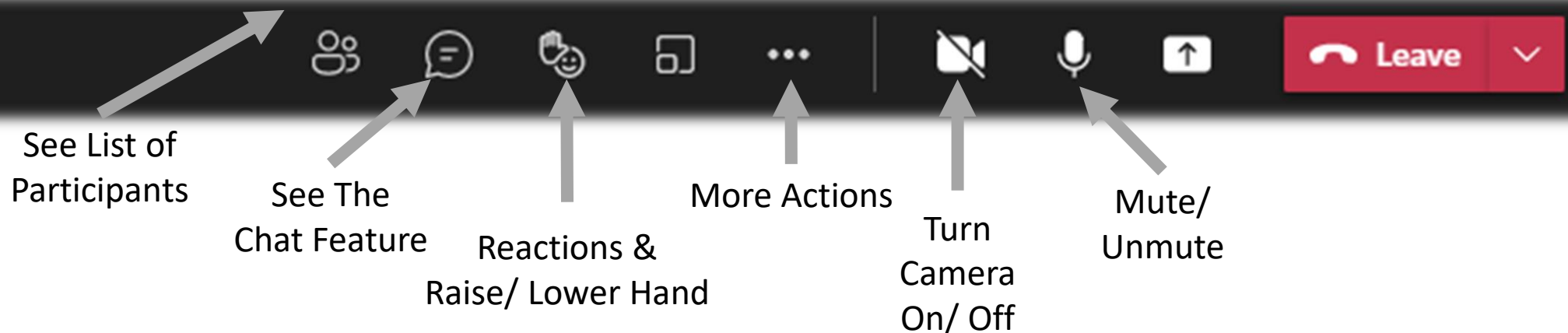


- Video - Enable When Speaking If Comfortable

- You may turn on live captioning by accessing the More Actions (...) Menu



- Cell phone etiquette (Please avoid Speakerphone and Background Noise)





Acronyms and Abbreviations

| | | | |
|----------------|---|----------------|---|
| A&E | Assessment and Exercise Team | I-5 | Interstate Five |
| AAM | After Action Meeting | IPR | In Progress Review |
| AAR | After Action Report | LJ | Local Jurisdiction |
| CC | Closed Captioning | MCS | Mass Care Services |
| CIA | Catastrophic Incident Annex | MPM | Mid-term Planning Meeting |
| CPOD | Community Point(s) of Distribution | MS | Microsoft |
| CR16 | Cascadia Rising 2016 (exercise title) | QR | Quick Response Code |
| CR22 | Cascadia Rising 2022 (exercise title) | SDOT | Seattle Department of Transportation |
| CSZ | Cascadia Subduction Zone | SimCell | Simulation Cell |
| CT | Critical Transportation | SITMAN | Situation Manual |
| DSHS | Washington State Department of Social and Health Services | SME | Subject Matter Expert |
| EHS | Extremely Hazardous Substances | TTX | Tabletop Exercise |
| EM | Emergency Management / Manager | VAL | Voluntary Agency Liaison |
| EMD | Emergency Management Division | VOAD | Volunteer Organization(s) Active in Disaster |
| EOC | Emergency Operations Center | WASILC | Washington State Independent Living Council |
| ET22 | Evergreen Tremor 2022 (exercise title) | WA EMD | Washington Emergency Management Division |
| FEMA | Federal Emergency Management Agency | WG | Workgroup |
| FPM | Final Planning Meeting | WMD | Washington Military Department |
| HLS | Homeland Security [Region] | WSDOT | Washington State Department of Transportation |
| H+0-96 | Incident occurrence (time) plus 0 to 96 hours | WSV | Warm Start Video |
| | | XPA | Extent of Play Agreement |



Trusted Agents

- The individuals on the Exercise Planning Team(s) who are trusted not to reveal exercise and scenario details to players or third parties before exercise conduct.
- Develop pre-exercise materials, conduct exercise briefings, and support.
- Information in this document is intended for the exclusive use of the exercise planners and is not to be released to the public or other personnel who do not have a valid need-to-know without prior approval from an authorized sponsor organization representative.
- This document is not releasable to any public website.



Agenda

- Exercise Framework
- Exercise Scope
- Core Capability Tabletop Exercises
- Core Capability TTX Focused Discussion
- Milestones
- Additional CR22 Exercises
- FEMA Region 10 National Level Exercise Update
- Closing and Final Questions



Exercise Framework

- Exercise Purpose

Define essential elements of information necessary for incident stabilization; identify and prioritize state and local Critical Transportation routes and Mass Care services and functions; and assess state, tribal, and local abilities to fill capability gaps following a catastrophic incident.

- Framework

Build upon CR16 by conducting Discussion-Based exercises while providing unity of effort across CR22 initiatives; including vertical integration between local, state, tribal, and federal partners:

- Critical Transportation efforts are focused around ground transportation routes
- Mass Care Services efforts are focused around assessing Shelter, Water, and Food

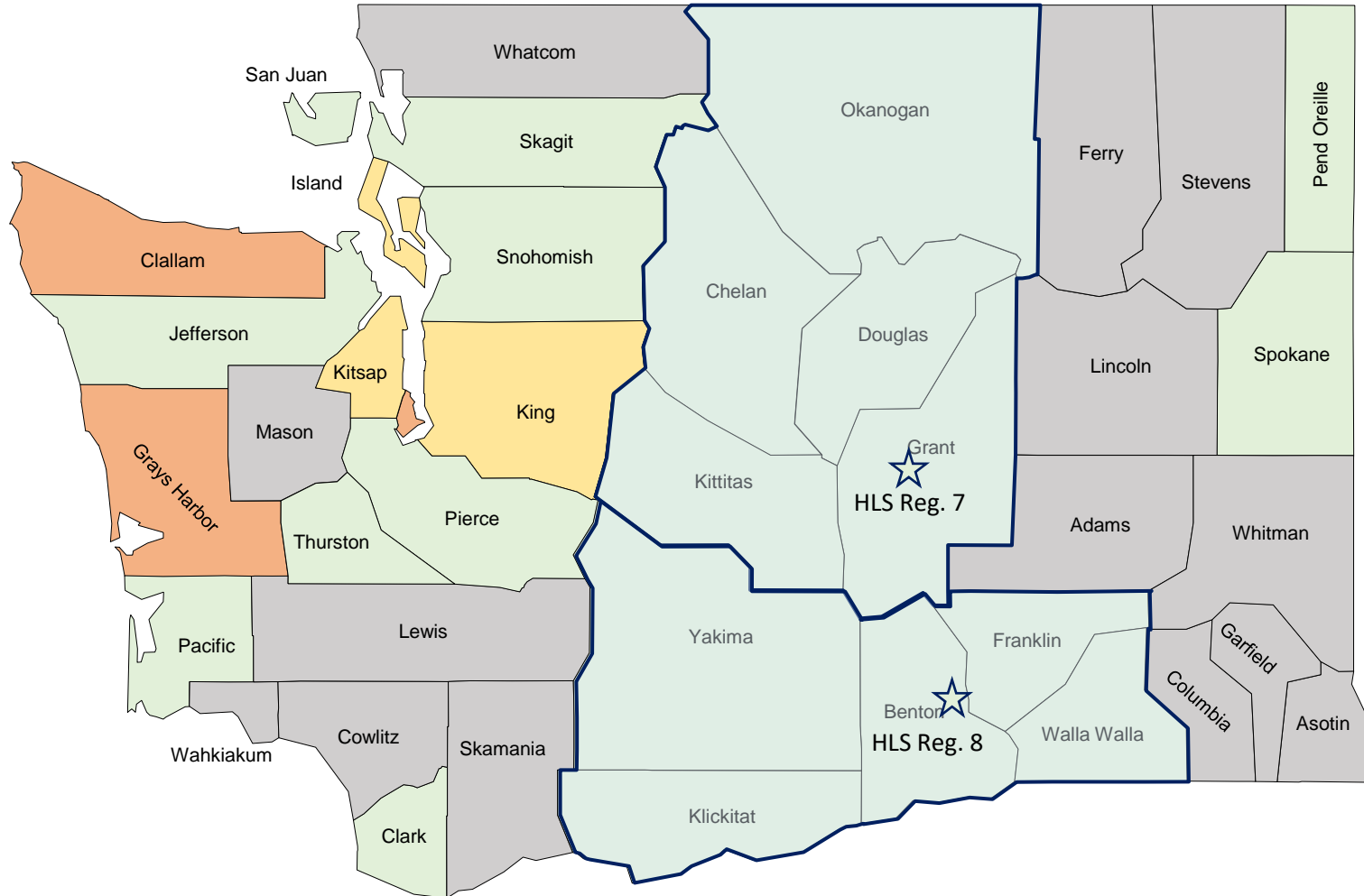


Core Capabilities

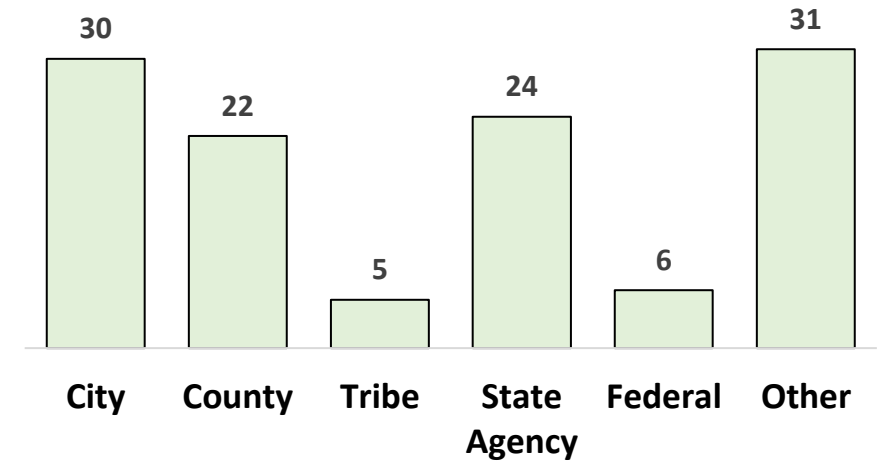
| | |
|--------------------------------|--|
| Critical Transportation | <p>Definition: Provide transportation (including infrastructure access and accessible transportation services) for response priority objectives, including the evacuation of people and animals and the delivery of vital response personnel, equipment, and services into the affected areas.</p> <p>Core Capability Targets:</p> <ol style="list-style-type: none">1. Establish physical access through appropriate transportation corridors and deliver required resources to save lives and to meet the needs of disaster survivors.2. Ensure basic human needs are met, stabilize the incident, transition into recovery for an affected area, and restore basic services and community functionality.3. Clear debris from any route type (i.e., road, rail, airfield, port facility, waterway) to facilitate response operations |
| Mass Care Services | <p>Definition: Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies.</p> <p>Core Capability Targets:</p> <ol style="list-style-type: none">1. Move and deliver resources and capabilities to meet the needs of disaster survivors, including individuals with access and functional needs.2. Establish, staff, and equip emergency shelters and other temporary housing options (including accessible housing) for the affected population.3. Move from congregate care to non-congregate care alternatives and provide relocation assistance or interim housing solutions for families unable to return to their pre-disaster homes. |



Participants



Extent of Play Agreements on File for CR22 (118 Total)



- Participating in Discussion-Based TTX(s)
- Participating in Discussion and Ops.-Based exercises
- Participating in Discussion Based – Supporting LJ(s) Ops.-Based
- No XPA or Not Participating

CR22 Week of Play (Discussion-Based)



June
13

Day 1

Critical
Transportation TTX



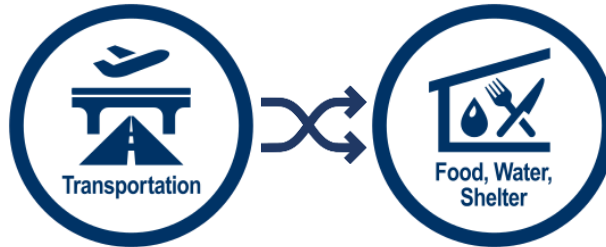
(6 Hours)



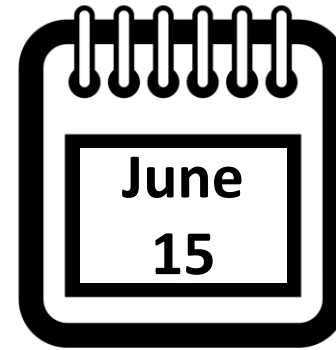
June
14

Day 2

CT – MCS
Crossover Event



(1.5 Hours)



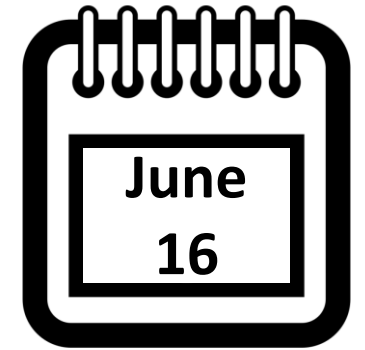
June
15

Day 3

Mass Care Services
TTX



(8 Hours)



June
16

Day 4

Hotwash
Events



(5 Hours)



Warm Start (H+0-96) Concept

Warm Start Products:

- Opening session Warm Start Video (WSV) presentation:**
 - <10 min video presentation before each TTX.

- TTX core capability specific briefs (H+0-96):**
 - Short presentations focusing on Critical Transportation and Mass Care Services during their in-briefs.

- TTX core capability and geographically aligned scenario placemats:**
 - Three-page warm start scenario placemats to support focused discussion within each core capability focusing on the breakout room(s) geographically aligned area.
 - At the beginning of each module additional scenario and assumption information will be provided.



Warm Start Products: Warm Start Video



Peter Chang, WMD, External Affairs

Deborah Witmer, City of Seattle, Scenario & Planning Co-Lead



Warm Start Products: Warm Start Video



- Initial introduction (Scene setting) is nearly complete
- Topics and themes have been refined and submitted
- Scripting of interviews and other content is ongoing

WSV Introduction Preview

Warm Start Products: Regionally Aligned Placemats

Cascadia Rising 2022 Scenario

Event: On June 9, 2022, a 9.0 magnitude Cascadia Subduction Zone (CSZ) earthquake has ripped along the 700-mile CSZ fault line with no epicenter. An event of this type occurs on average once every 200 to 500 years. The last major CSZ earthquake and tsunami occurred on January 26, 1700.

Ground Shaking: The shaking that results from this abrupt shifting of the earth's crust will be felt throughout the Pacific Northwest—and the ground is expected to shake for four to six minutes. Some areas along the coast may immediately drop three to nine feet in elevation. Coastal areas will experience the highest intensities and the level of shaking diminishes the farther inland; numerous aftershocks continue to disrupt response efforts.

Tsunami: The tsunami inundation zone in Washington is located on the coast of the Pacific Ocean and along the Strait of Juan de Fuca. Some inundation is also expected on the shorelines of counties in the upper Puget Sound and Strait of Georgia. Over 50,000 Washingtonians reside in the tsunami inundation zone. After the initial ground shaking, survivors may have as few as 10 minutes before the first wave makes landfall. Coastal areas are expected to receive as many as three waves in the first hour; subsequent waves may continue for nearly 18 hours.

Liquefaction/Landslides: Liquefaction-prone soils are common in river valleys, along waterfronts, and in places built on artificial fill including bridges, ports, airports to expect

Shake map layer in the below graphic was produced using the MJO Cascadia Scenario, 12/2020, USGS

Cascadia Rising 2022 Geographic Region Impacts Overview for WA HLS Regions 2, 3, and 4

HLS 2: Clallam, Jefferson and Kitsap – US 101 has Significant Infrastructure Impacts
The Federal Staging Area (FSA) / State Staging Area (SSA) at William R. Fairchild International Airport is inaccessible from US 101 and W. Edgewood Drive. SSA at Bremerton National Airport is completely inaccessible.¹ The Puget Sound Naval Shipyard at Bremerton is completely inaccessible from State Route (SR) 3 and SR 16. Access to Naval Base Kitsap - Bangor is affected by SR 3. Sequim, Port Angeles, Makah Reservation, Forks, Quinalt Indian Nation, Hoh Indian Reservation, and Port Madison Indian Reservation on SR 305 have access issues. Forks, La Push, and Neah Bay in Clallam County have no road connections with the rest of the state.²

HLS 4: Wahkiakum, Cowlitz, Clark and Skamania – SR 4 has Significant Infrastructure Impacts
The runway surfaces at both SSA Southwest Washington Regional Airport (Cowlitz County) and Pearson Field (Clark County) have buckled, rendering them inoperable. SR 4 to the coast is blocked by multiple landslides. Sections of the Lewis and Clark Bridge and the I-5 Columbia River Interstate Bridge have collapsed into the river. The I-205 Glenn Jackson Bridge is open, but with just one lane of travel in each direction. I-5 in both directions between Woodland and Kalama has suffered liquefaction damage. SR 14 into Skamania County is open, but with detours in the Washougal area. Dozens of tanks at the Oregon Critical Energy Infrastructure (CEI) Hub in Portland are afloat and toxic fumes are blowing across Vancouver causing bottlenecks on local roads as residents attempt to flee. 25 million gallons of diesel, medium, and heavy oils from the CEI Hub have reached the Columbia River and have traveled downstream to Kalama making the river un-navigable between the confluence with the Willamette River and the Cowlitz River.

Shake map layer in the below graphic was produced using the MJO Cascadia Scenario, 12/2020, USGS

Cascadia Rising 2022 Geographic Region Impacts Overview for WA HLS Regions 2, 3, and 4

HLS 3: Grays Harbor, Mason, Thurston, Pacific and Lewis – I-5 US 101, SR 109, SR 115, SR 401, US 12, SR 8, SR 6, and SR 4 have Significant Infrastructure Impacts
US 101 is inaccessible in many locations. Almost all bridges have failed and are not usable on US 101, US 12, SR 8, SR 6, and SR 4. The combination of subsidence during the earthquake followed by tsunami inundation has devastated low-lying areas in Pacific and Grays Harbor Counties. The Coastal areas of the Quinalt Indian Reservation, Ocean Shores, Aberdeen, Hoquiam, Cosmopolis, Westport, the Shoalwater Bay Indian Reservation, Raymond, South Bend, and the Long Beach Peninsula, are destroyed or have significant damage. Survivors in these areas may need to be evacuated. The Chehalis Gap has one road open with lots of detours.

Grays Harbor County: The SSA at Bowerman Airport is either destroyed or in need of repair/remediation before it may become available. There is no access to Westport/Grayland in Grays Harbor County via land. There is one route to Grays Harbor County from the I-5 Corridor, and one road to Grays Harbor County North Coast (north side of harbor) is open.

Mason County: US 101, near the Sanderson Field Aerial Port of Debarcation (APOD) / SSA, is not useable.

Thurston County: The SSA at Olympia Regional Airport is accessible from I-5.¹ I-5 at the Nisqually River in Thurston County is a bottleneck.

Pacific County: There is no access to Long Beach Peninsula via land.

Lewis County: I-5 has suffered significant liquefaction damage around the Chehalis River near Chehalis and Centralia.

Footnote: 1. Logistical nodes established by state and federal agencies. 2. WA State RRAP 2019. 3. WA State Bridge Seismic Survivability Transportation (BSST) Survey 4. CR22 Scenario Document








WA HLS Regions 2, 3, and 4 Lifeline Status

● Green – No Impacts
● Amber – Moderate Impacts
● Red – Major Impacts



- Six (6) placemat products have been completed
- Placemats have been developed to support each core capability and geographically aligned region
- Content within the placemats has been derived from ground truth documents, studies and analysis, and player's Comprehensive Emergency Management Plans

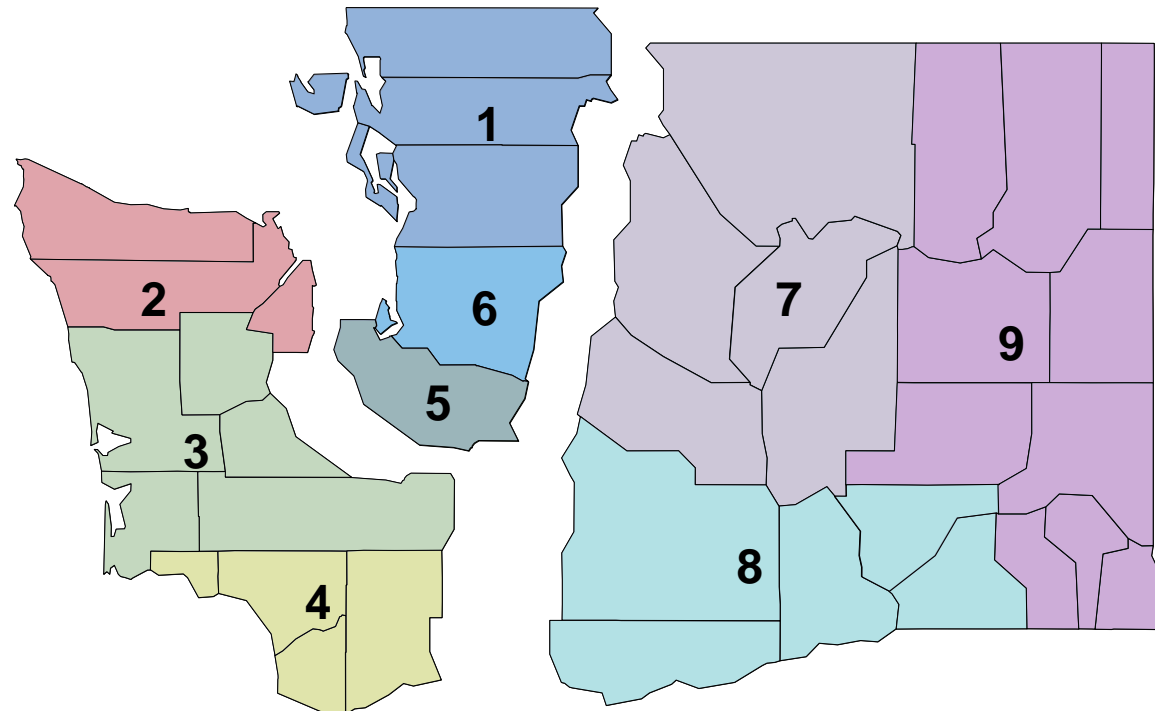
Warm Start Products: Impacts by Community Lifeline

| <p>Safety and Security</p>  | <p>Food, Water, Shelter</p>  | <p>Health and Medical</p>  | <p>Energy</p>  | <p>Communications</p>  | <p>Transportation</p>  | <p>Hazardous Materials</p>  |
|--|---|--|---|--|---|--|
| <ul style="list-style-type: none"> • Government services are overwhelmed after the earthquake • Impacts to all other lifelines hamper the ability for government to provide basic services, like firefighting and other life-saving services | <ul style="list-style-type: none"> • Over 450,000 displaced survivors are in immediate need of short-term sheltering, and over a million people need feeding and hydration – including their pets. • 100% of coastal and 89% of I-5 corridor potable water facilities have sustained medium to high damage. | <ul style="list-style-type: none"> • Over 10,000 survivors with varying degrees of injuries have attempted to access hospitals. • Most hospitals have suffered medium to high damage, which has resulted in the loss of hundreds of regular and critical beds. | <ul style="list-style-type: none"> • After the earthquake, large regions of Washington experienced complete blackout. • 100% of coastal and 78% of I-5 corridor electrical facilities have sustained medium to high damage. | <ul style="list-style-type: none"> • Up to 6 million people have lost access to standard communication services immediately after the earthquake. • 67% of coastal and 21% of I-5 corridor are likely damaged beyond repair. • Lack of communication networks limit ongoing situational assessments.. | <ul style="list-style-type: none"> • 5,655 miles of highway have sustained medium to high damage or are inaccessible requiring repair or clearance. • 30% of bridges have sustained damage, and roughly 20% have collapsed or are in imminent danger of collapse. | <ul style="list-style-type: none"> • Over 1,000 facilities in impacted areas of Washington and Oregon contain extremely hazardous substances (EHS). • 3,000 facilities in Washington have reportable quantities of less dangerous material. • 100% of coastal and 88% of I-5 corridor wastewater facilities in Washington suffered medium to high damage. |



TTX Breakout Room Organization

When conducting the Critical Transportation and Mass Care Services Tabletop Exercises (TTX), participants will be divided into breakout rooms by comparative geographical and planning factors. These geographically aligned regions provide distinct differences in capabilities, limitations, and concerns, which will help guide discussion and build regional partnerships.



Exercise Participation

Players

Players actively discuss or perform their regular roles and responsibilities during the exercise. Players discuss or initiate actions in response to the simulated emergency.

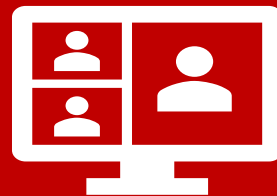
- Tribal, County, City Emergency Managers
- State Agency Representatives
- Private Sector Leads
- Volunteer Agencies Active in Disasters (VOADs)



Observers

Observers do not directly participate in the exercise. However, they may help develop player responses to the situation during the discussion by asking relevant questions or providing subject matter expertise.

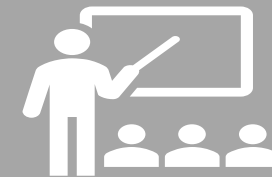
- City and County Department Leads
- Support to players
- Able to raise hand and ask questions



Facilitators

Facilitators provide situation updates and moderate discussions. They also provide additional information or resolve questions as required. Key exercise planning team members also may assist with facilitation as subject matter experts (SMEs) during the exercise.

- Identified prior to the exercise
- Facilitate both plenary and break-out rooms





Day 1: Critical Transportation TTX



Dan Banks, WSDOT, Critical Transportation Co-Lead
Steve Aberle, ARRL, Critical Transportation Co-Lead



Critical Transportation (CT) TTX Objectives

| | |
|----------|--|
| 1 | Examine and assess the coordination of response phase transportation activities between state, tribal, and local transportation entities. |
| 2 | Discuss how initial damage assessments of transportation infrastructure will be coordinated across all impacted jurisdictions. |
| 3 | Assess and discuss the procedures for the coordination of prioritized critical transportation needs across all jurisdictions. |
| 4 | Discuss the elements needed as input to develop a plan for reopening the statewide transportation system. |

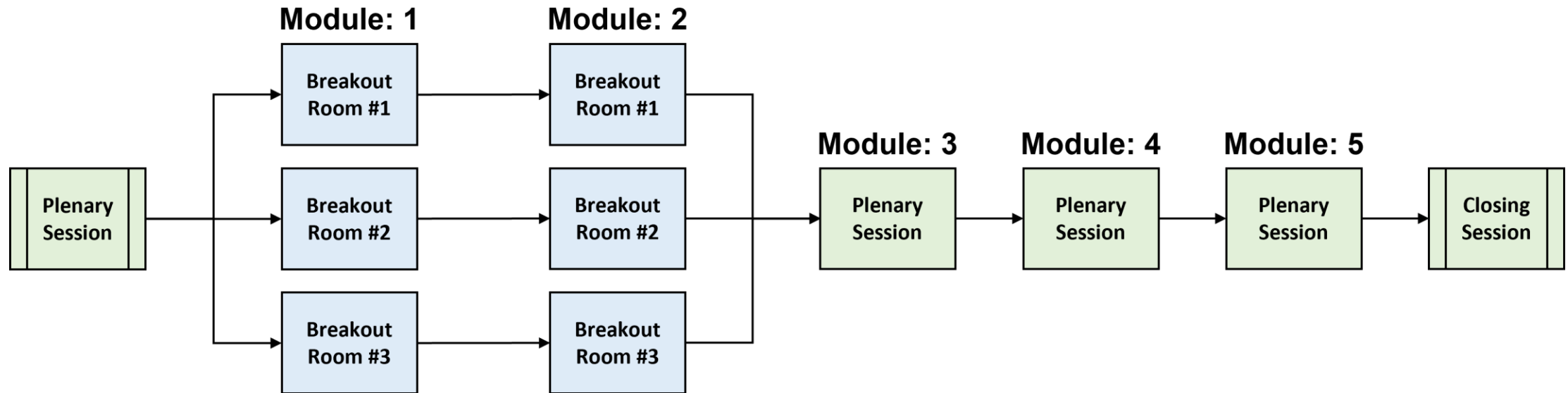


CT TTX Schedule

Critical Transportation Main Session (Monday, Jun 13, 0900 - Until Complete)

| Agenda Item: | Responsible: | Duration: | Time (PDT): |
|--|--|----------------|---|
| H+0-96 Motivator Video | CR22 WSV WG, WMD External Affairs | 10 Min | 9:00 a.m. – 9:10 a.m. |
| Welcome and Administration | EMD Dir, FEMA Administrator, EMD Ex Tm | 10 Min | 9:10 a.m. – 9:20 a.m. |
| H+0-96 Brief Re-Cap (CT Lens) | CT and Design/Planning Workgroups | 10 Min | 9:20 a.m. – 9:30 a.m. |
| FEMA CSZ Plan Overview | FEMA Region 10: Senior CSZ Planner | 10 Min | 9:30 a.m. – 9:40 a.m. |
| Breakout room guidance | EMD A&E | 5 Min | 9:40 a.m. – 9:45 a.m. |
| Breakout room Migration & Rules | Facilitators | 5 Min | 9:45 a.m. – 9:50 a.m. |
| BREAK | | 10 Min | 9:50 a.m. – 10:00 a.m. |
| Breakout Sessions: Modules 1 and 2 <ul style="list-style-type: none"> • HLS Regions 1, 5, 6 • HLS Regions 2, 3, 4 • HLS Regions 7, 8, 9 | Facilitators | 2 Hours | 10:00 a.m. – 10:50 a.m. Break 11:00 a.m. – 11:50 a.m. |
| Lunch | | 40 Min | 11:50 a.m. – 12:30 p.m. |
| Plenary Sessions: Modules 3 and 4 | Facilitators | 2 Hours | 12:30 p.m. – 1:20 p.m. Break 1:30 p.m. – 2:20 p.m. Break |
| Sharing of Participant Action Items (Mod. 5) | Facilitators | 30 Min | 2:30 p.m. – 3:00 p.m. |
| Closing session | CT and Design/Planning Workgroups | Until Complete | 3:00 p.m. – |

CT TTX Virtual Venue Concept

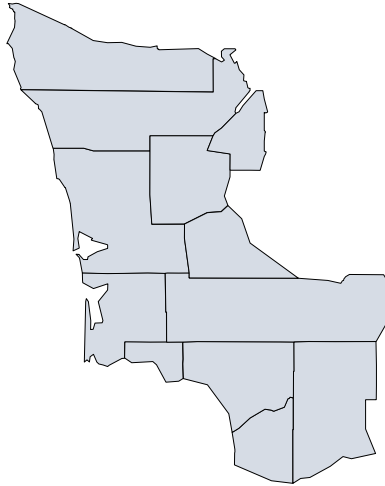


Virtual Venue:

- ❑ TTX will be held using MS Teams, with each breakout room in a separate MS Teams meeting.
- ❑ MS Team sessions will be published with the read ahead materials and by posting links in chat.
- ❑ Breakout Room Support: Moderator, Facilitator, Runner, Note Takers (2), and Tech. Support (1).
- ❑ The Runner will join the other breakout rooms during the migration to have access to their chat; enabling inter-communication between rooms.

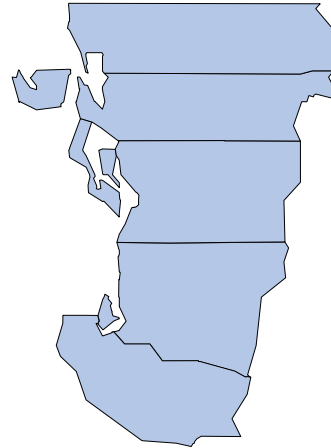


CT TTX Breakout Room Facilitation



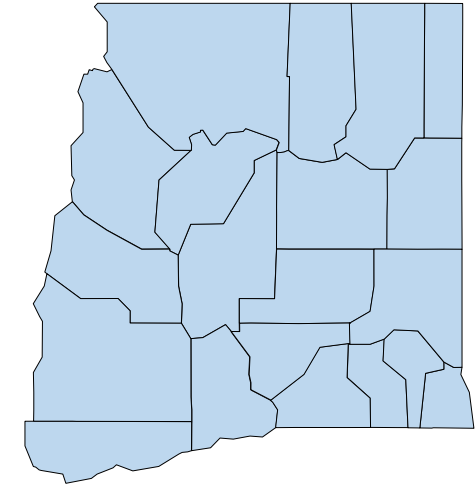
1: Coastal Region

| | |
|--------------|------------------------|
| Facilitator: | Lit Dudley, WSDOT |
| Moderator: | Mo Rabideau, WSDOT |
| Runner: | EMD staff |
| Note Taker: | EMD staff |
| Note Taker: | WSDOT staff |
| EMD Plans | Nichol Benardo, WA EMD |



2: I-5 Corridor

| | |
|--------------|--------------------------|
| Facilitator: | Dan Banks, WSDOT |
| Moderator: | Steve Aberle, CT WG |
| Runner: | EMD staff |
| Note Taker: | EMD staff |
| Note Taker: | Patti Quirk, SDOT |
| EMD Plans | Michael Roberson, WA EMD |

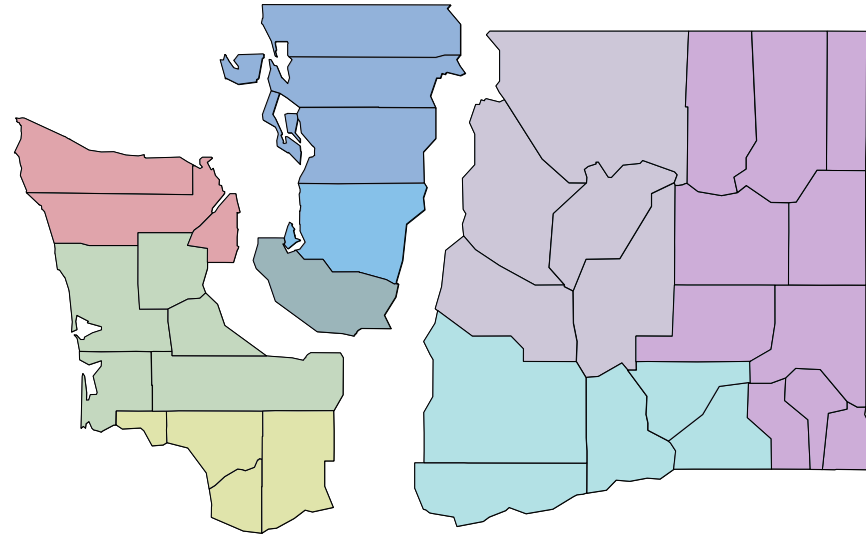


3: East of the Cascades

| | |
|--------------|--------------------------------|
| Facilitator: | Sean Davis, Franklin County |
| Moderator: | WSDOT East EM (pending) |
| Runner: | EMD staff |
| Note Taker: | Jordan Hanes, Franklin County |
| Note Taker: | Jordan George, Benton County |
| EMD Plans | Shane Moore, WA EMD |



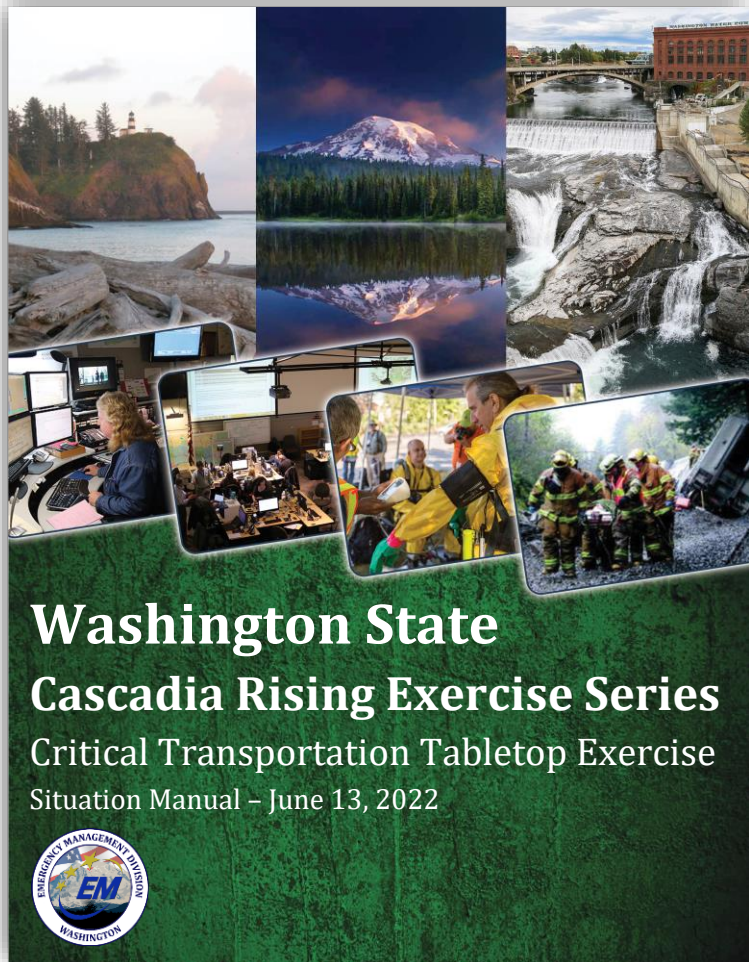
CT TTX Plenary Session Facilitation



Statewide Plenary Sessions

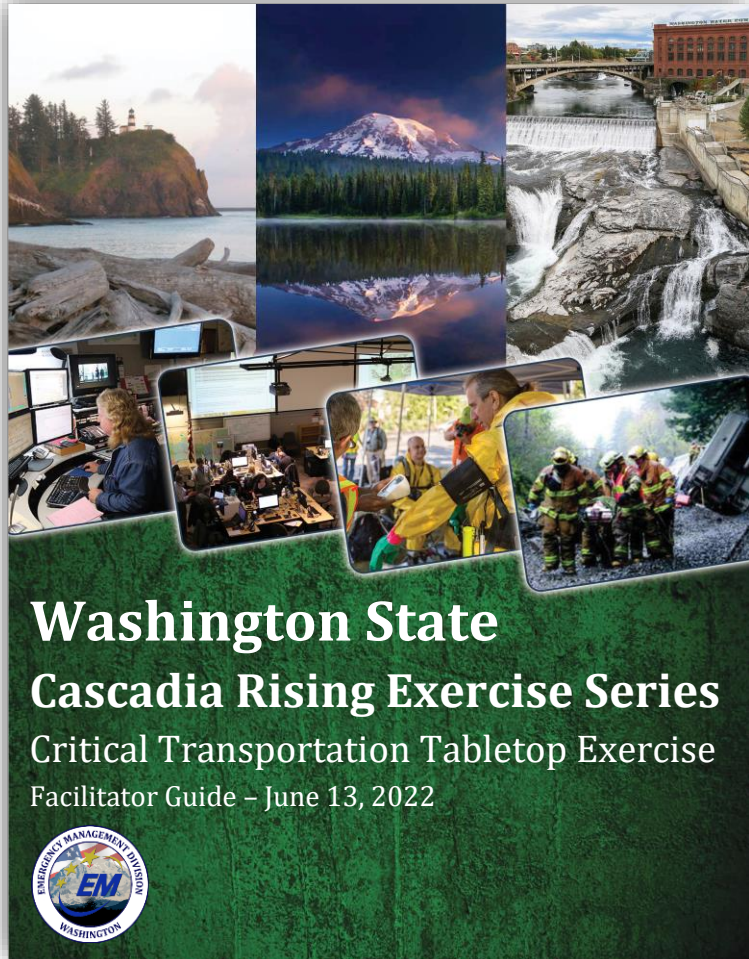
| | |
|---------------------|-------------------------------|
| Facilitator: | Dan Banks, WSDOT |
| Moderator: | Lit Dudley, WSDOT |
| Runner: | EMD staff |
| Note Taker: | EMD staff |
| Note Taker: | Jordan Hanes, Franklin County |
| EMD Plans | Michael Roberson, WA EMD |

CT TTX Situation Manual:



- **The SitMan has been built, but is still in the revision process**
- **Areas with ongoing work are Major Events, and Key Issues**
Material has been developed, but work is ongoing to articulate the themes and concepts to a broader audience and for addition to the Facilitator Guide
- **The SitMan will be complete and distributed to Trusted Agents prior to the Final Planning Meeting**

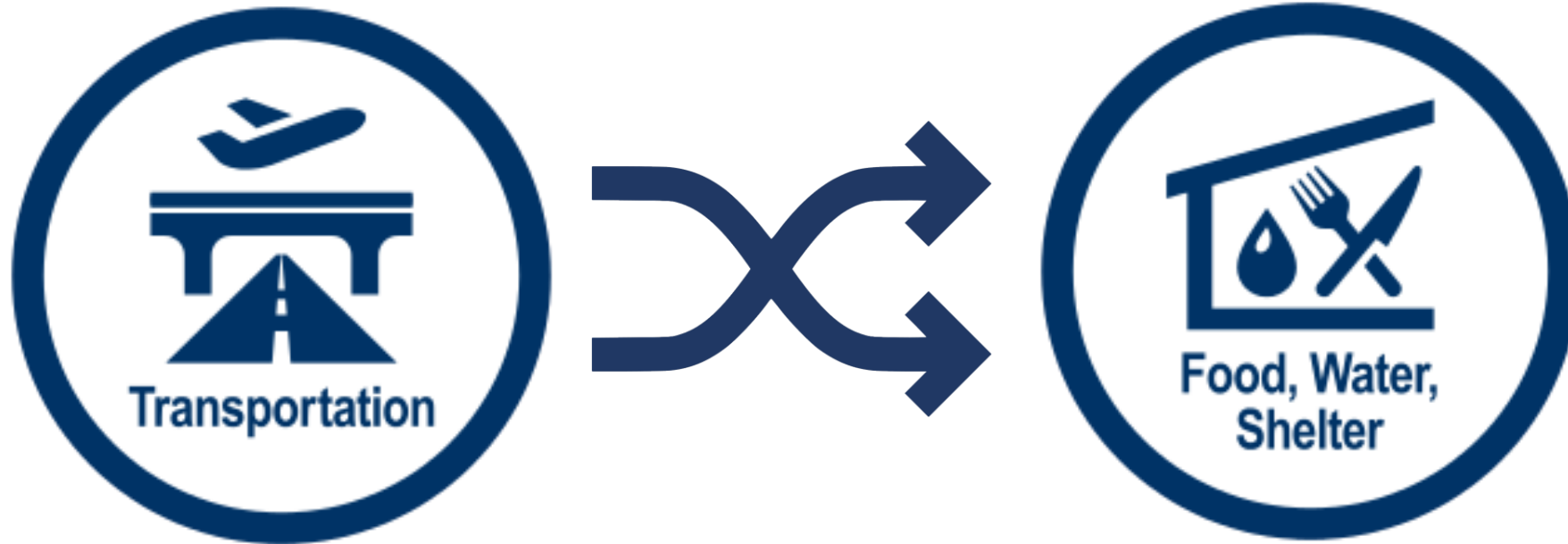
CT TTX Facilitator Guide:



- **The Facilitator Guide shell has been built, but is still in the revision process**
- **As additional material is refined within the SitMan, it will be entered into the Facilitator Guide**
- **This document will be one of the last lines of effort to be completed and may have subtle revisions prior to execution**



Day 2: CT – MCS Crossover Event



WA EMD Planning and A&E Teams
CT Workgroup, Facilitators, and Support Staff
MCS Workgroup, Facilitators and Support Staff

CT and MCS Crossover Concept

Critical Transportation

Evacuation
Debris Removal
Establishing Access
Airspace Management
Delivery of Response Assets
Reentering Affected Area
Transportation Safety & Condition Assessments

Mass Care Services

Sheltering
Ensuring Access
Feeding Hydration
Pets
Resource Distribution
Relocation Assistance
Family Reunification



Operational
Coordination



Operational
Communications



Logistics and Supply
Chain Management



Situational
Assessment



CT and MCS Crossover Concept

CT – MCS Cross-Over Main Session (Tuesday, Jun 14, 0900 - Until Complete)

| Agenda Item: | Responsible: | Duration: | Time (PDT): |
|---|------------------------------|----------------|------------------------|
| Welcome and Administration | EMD Exercise Team | 10 Min | 9:00 a.m. – 9:10 a.m. |
| Critical Transportation brief out on key lessons learned from the CT TTX | CT Workgroup / Facilitators | 10 Min | 9:10 a.m. – 9:20 a.m. |
| Facilitated discussion: <ul style="list-style-type: none"> - Current Local Jurisdiction priority route identification - Current depiction of Shelter/CPOD(s) vs. Priority Routes <ul style="list-style-type: none"> o Discuss concerns - Planning challenges - Core Capability and Functional Area Linkages | WA EMD | 30 Min | 9:20 a.m. – 9:50 a.m. |
| MCS Questions / Comments / Concerns | MCS Workgroup / Facilitators | 10 Min | 9:50 a.m. – 10:00 a.m. |
| Closing session | EMD Facilitated | Until Complete | 10:00 a.m. – |

Crossover Event Products:

CT Out Brief



- The CT out brief will be compiled after the CT TTX
- This will be a “just in time” product

Planning Brief



- EMD’s Planning Team is nearing completion of the Catastrophic Incident Annex (CIA)
- Once the CIA is complete, they will develop their portion of the crossover event based on the CIA and other ongoing efforts



Day 3: Mass Care Services TTX Focused Discussion



Damaris Deschner, WA EMD, Mass Care Services Co-Lead
Sarah Nuss, City of Spokane, Mass Care Services Co-Lead
Janeen Olson, City of Redmond, Mass Care Services Co-Lead
Lisa Arellano, Salvation Army, Mass Care Services Co-Lead



Mass Care Services (MCS) TTX Objectives

| | |
|---|---|
| 1 | <p>Temporary Shelter(s) objective(s):</p> <ul style="list-style-type: none">a. Assess the shelter needs of the community.b. Describe organized community sheltering strategies and operations.c. Describe how to effectively coordinate temporary sheltering needs among jurisdictions. |
| 2 | <p>Hydration objective(s):</p> <ul style="list-style-type: none">a. Assess the hydration needs of people and pets within the community.b. Describe organized community hydration strategies and operations.c. Describe how to effectively coordinate hydration needs among jurisdictions. |
| 3 | <p>Feeding & Nutrition objective(s):</p> <ul style="list-style-type: none">a. Assess the feeding and nutrition needs of the community.b. Describe organized community feeding strategies and operations.c. Describe how to effectively coordinate feeding and nutrition needs among jurisdictions. |

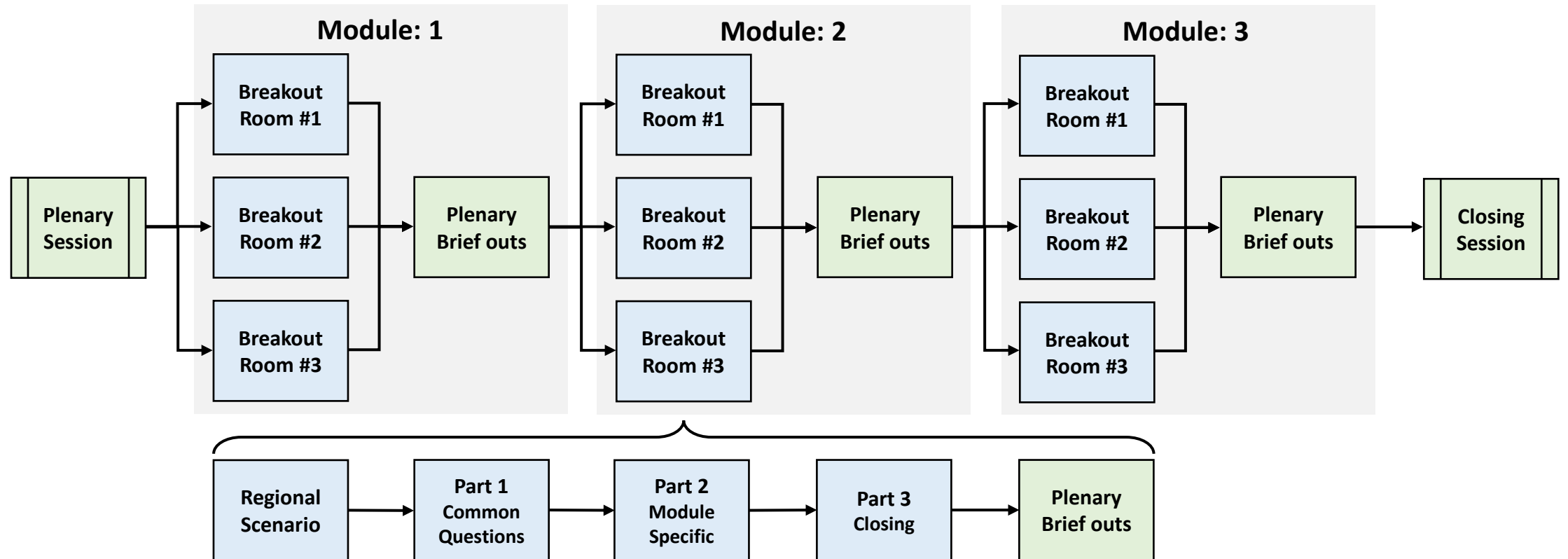


MCS TTX Schedule

Mass Care Services Main Session (Wednesday, Jun 15, 0800 - Until Complete)

| Agenda Item: | Responsible: | Duration: | Time (PDT): |
|--|--|----------------|---|
| H+0-96 Motivator Video | CR22 WSV WG, WMD External Affairs | 10 Min | 8:00 a.m. – 8:10 a.m. |
| Welcome and Administration | EMD Dir, FEMA Administrator, EMD Ex Tm | 10 Min | 8:10 a.m. – 8:20 a.m. |
| H+0-96 Brief Re-Cap (MCS Lens) | MCS and Design/Planning Workgroups | 10 Min | 8:20 a.m. – 8:30 a.m. |
| FEMA Life Sustaining Operations Overview | FEMA Region 10: Mass Care/VAL | 15 Min | 8:30 a.m. – 8:45 a.m. |
| Breakout room guidance | EMD A&E | 5 Min | 8:45 a.m. – 8:50 a.m. |
| Breakout room Migration & Rules | Facilitators | 5 Min | 8:50 a.m. – 8:55 a.m. |
| BREAK | | 15 Min | 8:55 a.m. – 9:10 a.m. |
| Breakout Sessions: Module 1 <ul style="list-style-type: none"> • HLS Regions 1, 5, 6 • HLS Regions 2, 3, 4 • HLS Regions 7, 8, 9 | Facilitators | 3 Hours | 9:10 a.m. – 10:00 p.m. Break 10:10 a.m. – 11:00 a.m. Break 11:10 a.m. – 12:00 p.m. Break |
| Lunch | | 30 Min | 12:00 p.m. – 12:30 p.m. |
| Breakout Sessions: Modules 2 and 3 <ul style="list-style-type: none"> • HLS Regions 1, 5, 6 • HLS Regions 2, 3, 4 • HLS Regions 7, 8, 9 | Facilitators | 3 Hours | 12:30 p.m. – 1:10 p.m. Break 1:10 p.m. – 1:50 p.m. Break 2:00 p.m. – 2:40 p.m. Break 2:50 p.m. – 3:30 p.m. Break |
| Closing Session | Facilitators, EMD A&E | Until Complete | 3:40 p.m. – |

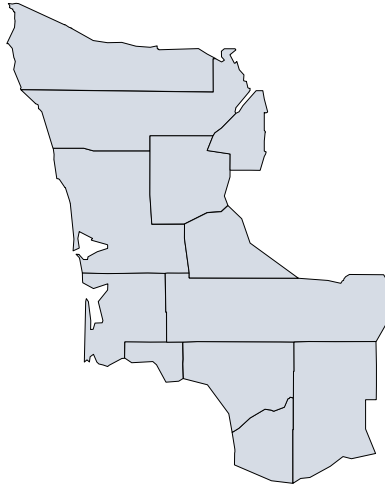
MCS TTX Virtual Venue Concept



Virtual Venues:

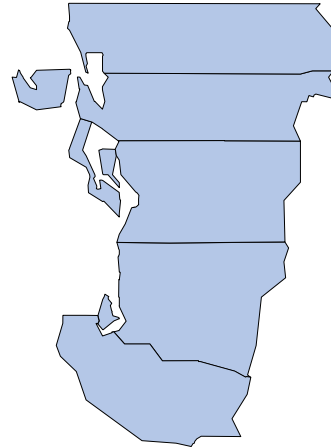
- The MCS virtual venues will be conducted in the same manner as the CT TTX.
- Support staff roles will be identical.

MCS TTX Breakout Room Facilitation



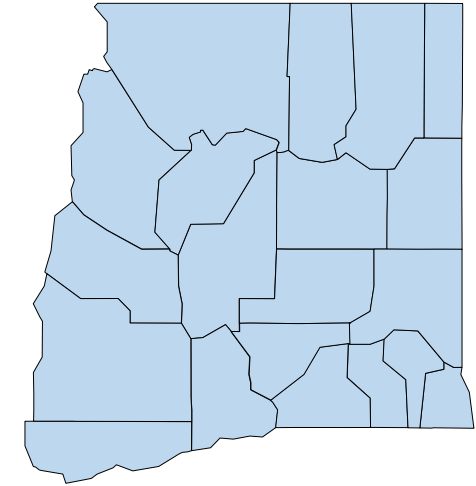
1: Coastal Region

| | |
|--------------|--------------------------------|
| Facilitator: | Pending |
| Moderator: | Deborah Witmer City of Seattle |
| Runner: | EMD staff |
| Note Taker: | EMD staff |
| Note Taker: | WG member |
| EMD Plans | Nichol Benardo, WA EMD |
| EMD ESF-6 | Quinn Butler |



2: I-5 Corridor

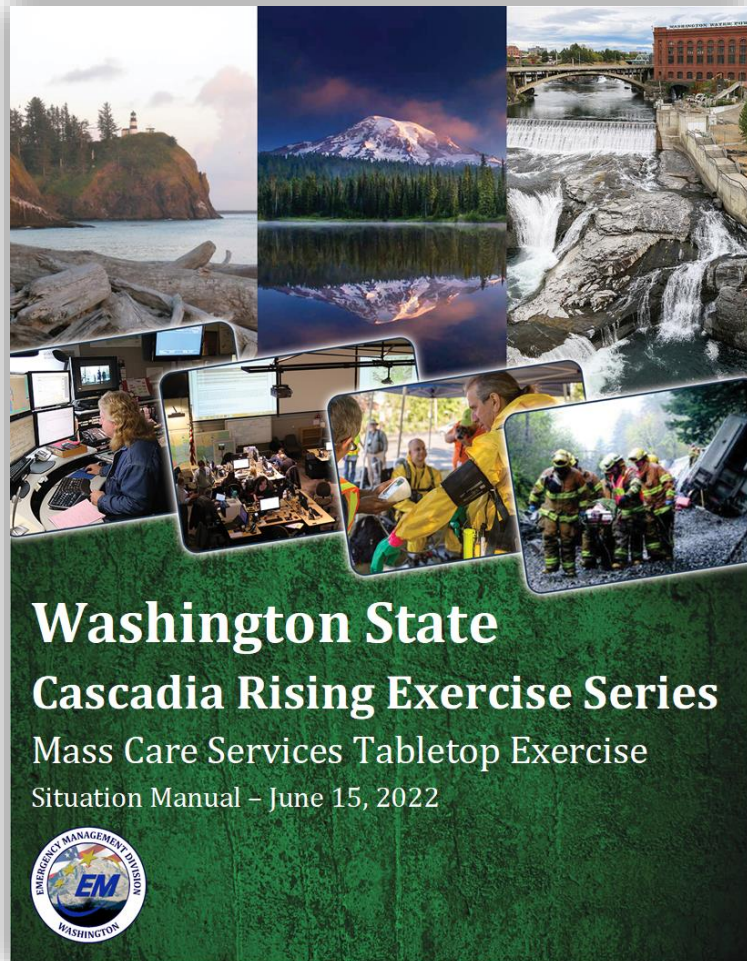
| | |
|--------------|------------------------------|
| Facilitator: | Pending |
| Moderator: | Janeen Olson City of Redmond |
| Runner: | EMD staff |
| Note Taker: | EMD staff |
| Note Taker: | WG member |
| EMD Plans | Michael Roberson, WA EMD |
| EMD ESF-6 | Taylor Hennessee |



3: East of the Cascades

| | |
|--------------|-------------------------|
| Facilitator: | Chandra Fox Spokane C. |
| Moderator: | Damaris Deschner WA EMD |
| Runner: | EMD staff |
| Note Taker: | EMD staff |
| Note Taker: | WG member |
| EMD Plans | Shane Moore, WA EMD |
| EMD ESF-6 | Lewis Lujan |

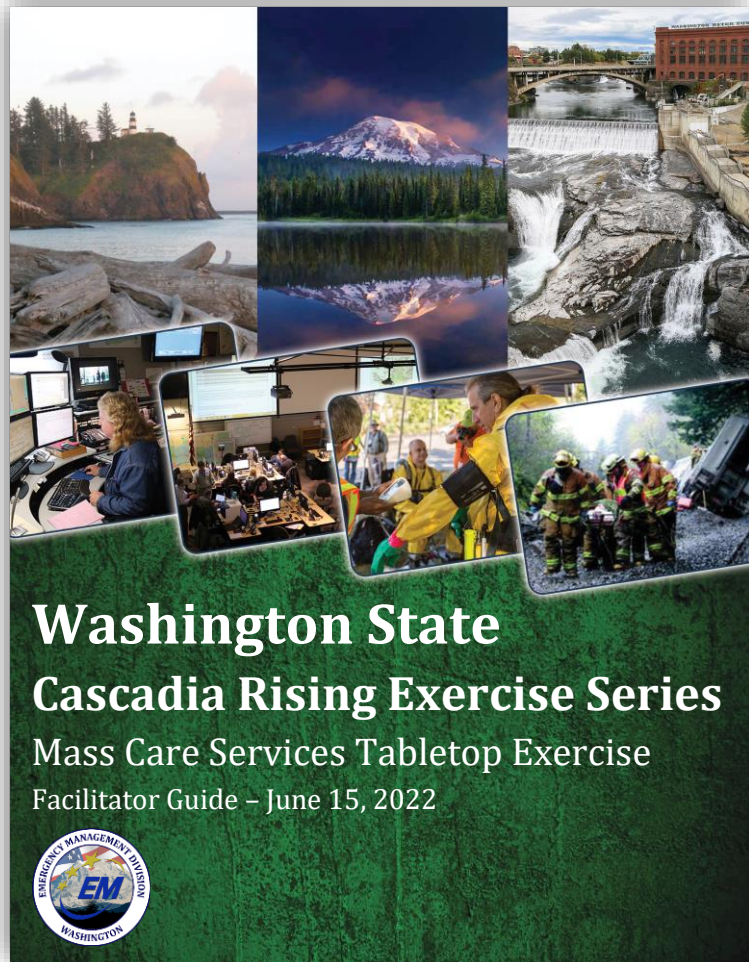
MCS TTX Situation Manual:



- **The SitMan has been built, but is still in the revision process**
- **Areas with ongoing work are Major Events, Key Issues, and TTX questions**
 - Material has been developed, but work is ongoing to refine the content*
- **The SitMan will be complete and distributed to Trusted Agents prior to the Final Planning Meeting**



MCS TTX Situation Manual:



- The Facilitator Guide shell has been built, but is still in the revision process
- As additional material is refined within the SitMan, it will be entered into the Facilitator Guide
- This document will be one of the last lines of effort to be completed and may have subtle revisions prior to execution



Day 4: Combined Hotwash Events



Hotwash Concept:

- Each core capability will conduct a hotwash using the geographically aligned breakout rooms to facilitate the discussion.
- Facilitators and support staff from their original breakout rooms will conduct the hotwash(s) to maintain continuity within the group.



Combined Hotwash Events

Hotwash (Thu, Jun 16, 0900 – Until Complete)

| Agenda Item: | Responsible: | Duration: | Time (PDT): |
|---------------------------------|--|------------------|-------------------------|
| Welcome and Administration | EMD Dir, FEMA Administrator, EMD Ex Tm | 10 Min | 9:00 a.m. – 9:10 a.m. |
| Critical Transportation Hotwash | Facilitated by breakout room | 90 Min | 9:10 a.m. – 10:40 a.m. |
| Break | | 20 Min | 10:40 a.m. – 11:00 a.m. |
| Mass Care Services Hotwash | Facilitated by breakout room | 90 Min | 11:00 a.m. – 12:30 a.m. |
| Lunch | | 30 Min | 12:30 a.m. – 1:00 p.m. |
| FEMA CSZ Plan Review | FEMA Region 10 | 30 Min | 1:00 p.m. – 1:30 p.m. |
| CR22 Next Steps | EMD Facilitated | 20 Min | 1:30 p.m. – 1:50 p.m. |
| Closing Comments | EMD Dir, FEMA Administrator, EMD Ex Tm | Until Complete | 1:50 p.m. – |

Hotwash Lines of Effort:

CT Questions



- The CT workgroup will be developing specific questions for the CT Hotwash to support ongoing State planning efforts
- There will also be common questions

MCS Questions



- The MCS workgroup will also be developing MCS focused hotwash questions
- There will also be common questions

Participant Feedback



- Participant Feedback surveys will be used in addition to the Hotwash
- Feedback questions are in development



Mass Care Services TTX Focused Discussion



Damaris Deschner, WA EMD, Mass Care Services Co-Lead
Sarah Nuss, City of Spokane, Mass Care Services Co-Lead
Janeen Olson, City of Redmond, Mass Care Services Co-Lead
Lisa Arellano, Salvation Army, Mass Care Services Co-Lead



Mass Care Services TTX Primary Questions

Common Questions: All Modules

- **Given the minimal visibility on ground truth and limited communications from authoritative sources , how is an initial understanding of the situation attained to guide strategy development?**
- **What are the priorities at this point in the response?**
- **How are needs prioritized and coordinated?**
- **What support is expected from external agencies or organizations, and what support do they expect from existing agreements or your agency's current plans, policies, procedures?**
- **How do state-level plans support local [Module Title] strategies and decision-making?**
- **How are public alerts distributed, and by what means?**



Mass Care Services TTX Primary Questions

Questions: Module 1 Sheltering

Assessment:

- How do we assess the communities' sheltering needs and capabilities in the post CSZ environment, when we may be experiencing significant limitations in staffing, communications, and our ability to establish an effective and coordinated common operating picture?

Strategies:

- What current plans, policies, or procedures exist for establishing temporary shelters?

Challenges and Constraints:

- What challenges and constraints exist within tribes or jurisdictions that must be overcome regarding support for sheltering?



Mass Care Services TTX Primary Questions

Questions: Module 2 Hydration

Assessment:

- How do we assess the communities' hydration needs and capabilities in the post CSZ environment, when we may be experiencing significant limitations in staffing, communications, and our ability to establish an effective and coordinated common operating picture?

Strategies:

- What current plans, policies, or procedures exist for establishing emergency hydration?

Challenges and Constraints:

- What challenges and constraints exist within tribes or jurisdictions that must be overcome regarding emergency hydration needs?



Mass Care Services TTX Primary Questions

Questions: Module 3 Feeding

Assessment:

- How do we assess the communities' feeding and nutrition needs and capabilities in the post CSZ environment, when we may be experiencing significant limitations in staffing, communications, and our ability to establish an effective and coordinated common operating picture?

Strategies:

- What current plans, policies, or procedures exist for establishing community feeding?

Challenges and Constraints:

- What challenges and constraints exist within tribes or jurisdictions that must be overcome regarding feeding and nutrition needs?



Critical Transportation TTX Focused Discussion



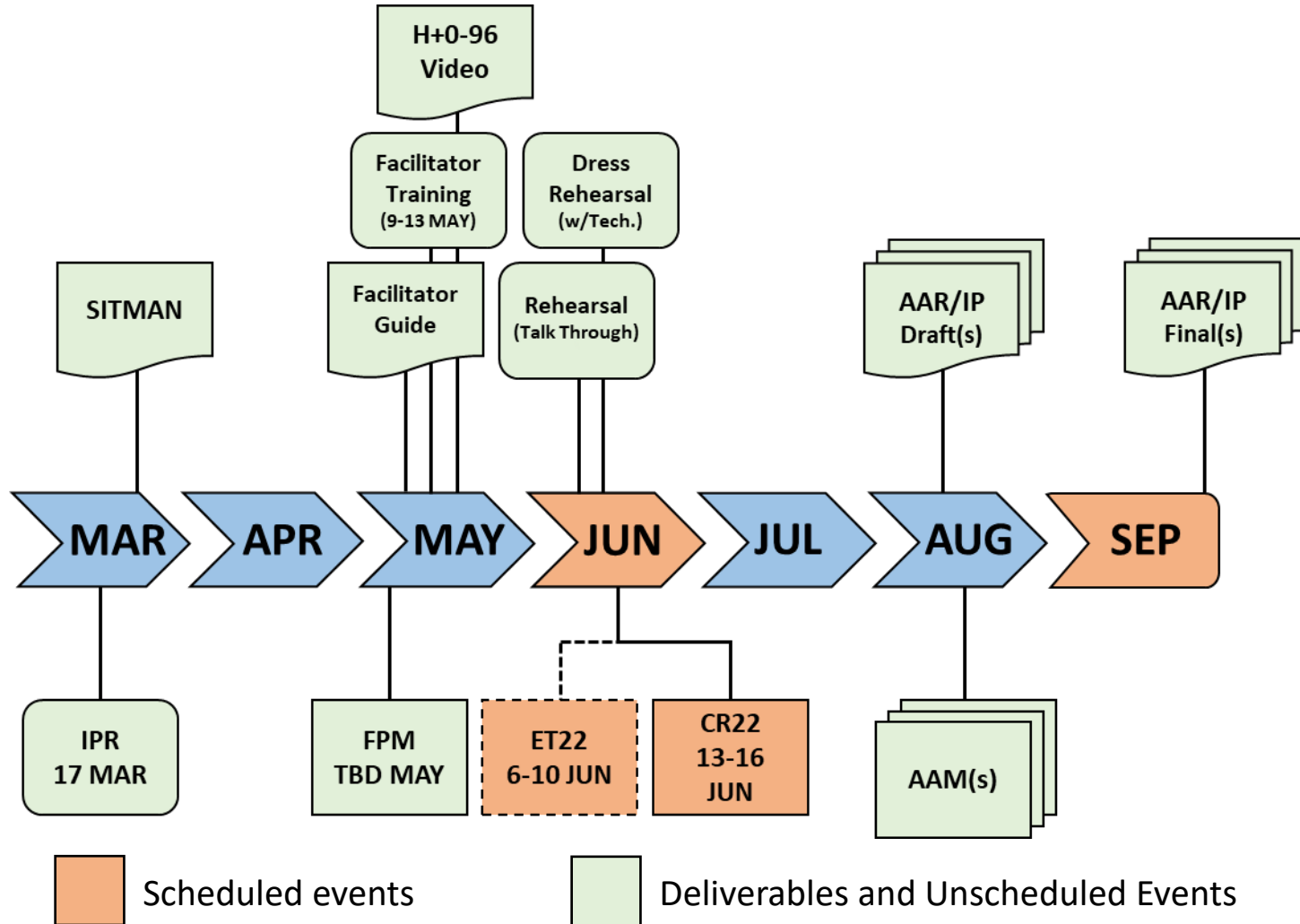
Dan Banks, WSDOT, Critical Transportation Co-Lead
Steve Aberle, ARRL, Critical Transportation Co-Lead



CR22 Projected Milestones



Projected Milestones





EMERGENCY MANAGEMENT DIVISION

"A disaster-ready and resilient Washington State"

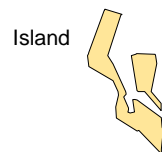


Additional CR22 Exercises

Operations-Based Exercise Support



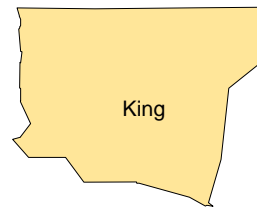
- SimCell will be available on the 14th of June
- Support will be limited to the counties that have previously coordinated.
- Connectivity will be limited to WebEOC, phone and email.
- MSEL(s) need to be turned in before 1 MAY 2022.
- The SEOC Communications Unit RACES Station will not be activated



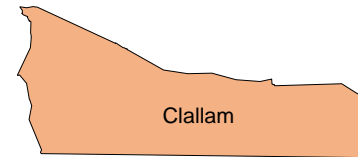
Island



Kitsap



King



Clallam



Grays Harbor



Participating in Discussion and Ops.-Based exercises

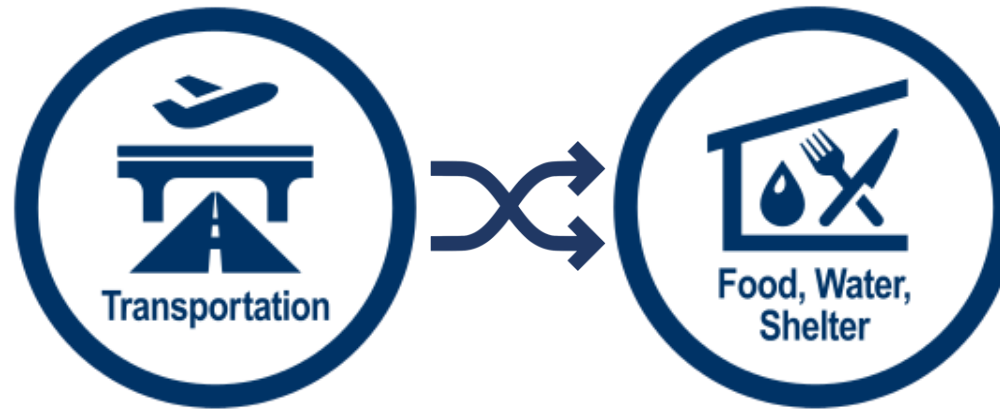


Participating in Discussion Based – Supporting LJ(s) Ops.-Based



Snohomish County RCPGP:

Last Tactical Mile and C-POD Virtual TTX



Amy Lucas, Snohomish County
Jarrod Dibble, Snohomish County

National Level Exercise (NLE) Update

Washington State EMD Cascadia Rising 22 IPR | March 17, 2022



FEMA

National Level Exercise (NLE) Placemat



FEMA



NATIONAL EXERCISE PROGRAM

Overview

The National Level Exercise (NLE), held every two years as part of the National Exercise Program, provides an opportunity for all levels of government, the private sector, nongovernmental organizations (NGOs) and community groups to test capabilities, evaluate policies and plans, familiarize personnel with roles and responsibilities and foster meaningful interaction and communication across the nation. Scenarios for the NLE range from natural disasters to manmade attacks and address the specific types of threats and hazards that pose the greatest risk to the nation.

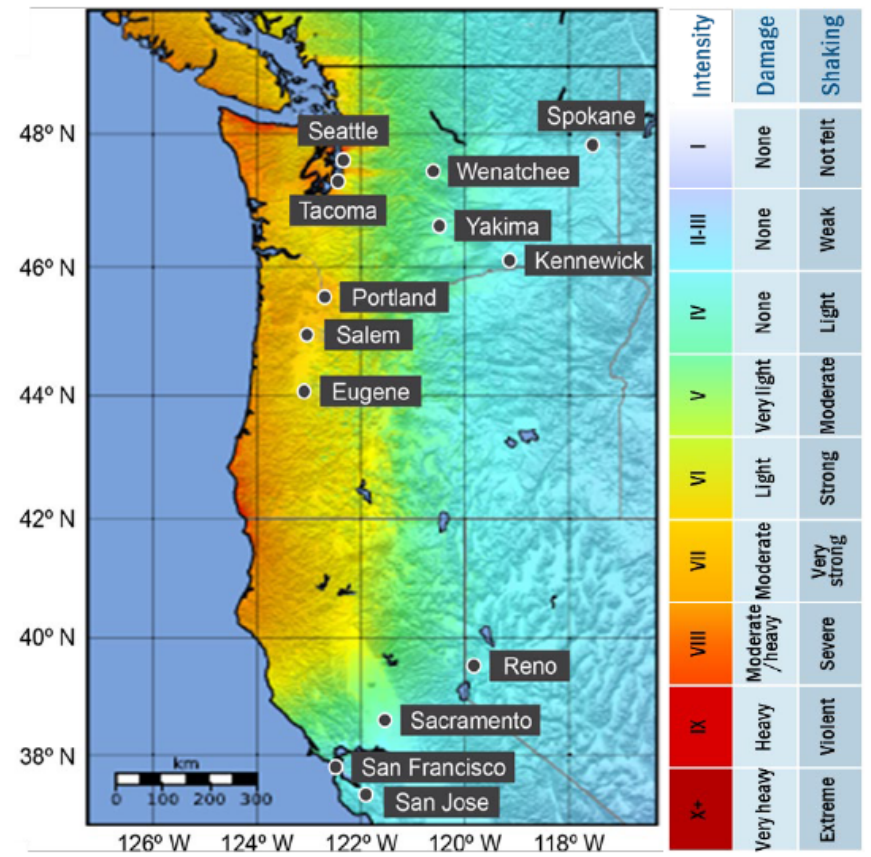
NLE 2022 will examine the ability of all levels of government, private industry and NGOs to respond to and recover from a large rupture along the Cascadia Subduction Zone (CSZ) fault line that runs along the Pacific coastal states. The scenario includes subsequent tsunamis, aftershocks and a spill of national significance (SONS) caused by the initial disaster.

Events will include webinars, seminars, workshops, tabletop exercises (TTX) and Senior Officials Exercises (SOE) aligned with the NLE 2022 objectives and associated focus areas. Through this series of targeted events, NLE 2022 will engage Federal, State, local, and tribal governments as well as the private sector and non-governmental organizations to enhance our nation's preparedness around the five national objectives.

National Level Objectives

- 
1. CATASTROPHIC DISASTER PREPAREDNESS
 Build and sustain awareness of catastrophic disasters and build capability nationwide through planning, preparedness and risk mitigation.
- 
2. STABILIZATION AND INITIAL RECOVERY
 Assess the ability of all levels of government, in coordination with whole community partners, to rapidly determine impacts to communities and inform decisions for stabilization, critical infrastructure restoration, and initial recovery.
- 
3. NATIONAL RESOURCE PRIORITIZATION AND ADJUDICATION
 Examine the ability of all levels of government, the private sector and international stakeholders to determine the availability of critical resources, prioritize limited resources and deliver essential commodities, equipment and services to support impacted communities during a catastrophic natural disaster.
- 
4. INTERMEDIATE AND LONG-TERM RECOVERY
 Assess the ability of the whole community to identify intermediate recovery objectives, implement a recovery strategy and integrate impactful mitigation towards long-term recovery solutions.
- 
5. STRATEGIC COORDINATION
 Examine the ability of all levels of government to integrate activities across multiple coordination structures, make timely decisions and consistently communicate those decisions to operators during the response to and recovery from a catastrophic natural disaster.

Scenario and Key Impacts



The NLE 2022 scenario focuses on the response and recovery from a large rupture and resulting tsunamis along the CSZ fault. Additionally, this rupture causes a Spill of National Significance (SONS) event that impacts the states of the Pacific Northwest. The exercise scenario will begin 96 hours post-rupture.

National Level Exercise 2022 Planning and Conduct Timeline

| 2022 | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|--|--|---|--|--|--|--|--|---|--|---|
| Overall NLE 2022 Strategic Comms | Newsletter | In-Progress Review April 28, 2022 | NLECast | Newsletter | NLECast | Newsletter | In-Progress Review September 2022 (TBD) | Newsletter | NLECast | Newsletter |
| Senior Officials Exercise | | Senior Officials Exercise #1 Response April 20, 2022 ● ● ★ | | | | | | | Senior Officials Exercise #2 Long-Term Recovery November 2022 (TBD) ● ▲ ★ | |
| National Level Engagements | ESF-14 Informational Seminar March 31, 2022 ● ● ▲ ★ | FEMA CSZ ROC Participant Brief Sessions April 12, 2022 April 19, 2022 April 26, 2022 ● ● ▲ ★ | FEMA Region 10 Rehearsal of Concept Exercise May 3-5, 2022 ● ● ▲ ★ | VIGILANT GUARD 22-1 (OR) CPX/FTX June 9-12, 2022 ● ▲ | VIGILANT GUARD 22-2 (MA) TTX June 7-8, 2022 ● ▲ | Debris Management Seminar Mid August 2022 (TBD) ● ● ★ | Maritime Port Reopening Workshop September 2022 (TBD) ● ● ★ | Understanding Cascadia's Earthquakes October 6, 2022 ● ● ▲ | Housing TTX for State and Regional Stakeholders November 2022 (TBD) ● ▲ | Economic Recovery TTX for State and Regional Stakeholders November 2022 (TBD) ● ▲ |
| Federal Focused Engagements | Incident Management Assistance Team (MAT) Central Cohort TTX March 4, 2022 ● ● ▲ ★ | Incident Management Assistance Team (MAT) West Cohort TTX April 18-21, 2022 ● ● ▲ ★ | | USCG District 13 Current Buster Drill June 23, 2022 ● ● | Vista Gladiator Wargame Late July 2022 (TBD) ● ▲ ★ | | | NORAD and USNORTHCOM Domestic Resilience Workshop October 18-19, 2022 ● ▲ ★ | Housing and Economic Recovery Interagency TTX November 2022 (TBD) ● ▲ | |
| | Incident Management Assistance Team (MAT) East Cohort TTX March 21-24, 2022 ● ● ▲ ★ | | | ESF-14 Critical Infrastructure Stabilization Workshop Early June 2022 (TBD) ● ● ▲ ★ | SONS Unified Coordination Workshop July 2022 (TBD) ● ● ▲ ★ | | | | | |
| State/Local/ Tribal Focused Engagements | Oregon Rehearsal of Concept Exercise Prep Seminar March 2022 (TBD) ● ● ▲ ★ | Oregon SONS Seminar April 5, 2022 ● ● ▲ ★ | Idaho NLE Preparation and Rehearsal May 26, 2022 (TBD) ● ● ▲ | Idaho IRC Demonstration of Capabilities Drill June 14-15, 2022 ● ● ▲ | Oregon Governors Disaster Cabinet Workshop July 7, 2022 ● ● ▲ ★ | Washington Restoration Framework Series TTX (Infrastructure Systems, Community Planning and Capacity Building) August 16, 2022 ● ▲ | Oregon Emergency Operations Plan Validation TTX September 2022 (TBD) ● ● ▲ ★ | Oregon Cascadia Plan Validation TTX October 2022 (TBD) ● ● ▲ ★ | | |
| | Idaho Distribution Management Plan TTX March 30, 2022 (TBD) ● ● ▲ | Oregon Emergency Operations Plan Development Seminar Early April 2022 (TBD) ● ● ▲ ★ | Public Private Partnership Platform (P4P) Virtual TTX May 11, 2022 ● ● ▲ ★ | Washington Critical Transportation and Mass Care TTX Series June 13-15, 2022 ● ● ▲ ★ | Washington Restoration Framework Series TTX (Natural Resources, Cultural and Historic Resources) July 12, 2022 ● ▲ | | | | | |
| | Washington Restoration Framework Series TTX (Economic Recovery / Housing) March 29, 2022 ● ● ▲ | Oregon Rehearsal of Concept Exercise Prep Workshop April 2022 (TBD) ● ● ▲ ★ | Oregon Cascadia Plan Development Seminar May 2022 (TBD) ● ● ▲ ★ | Oregon CR22 Local Jurisdiction Support June 13 - 16, 2022 ● ● ▲ ★ | | | | | | |
| | | Oregon Emergency Operations Plan Development Workshop Late April 2022 (TBD) ● ● ▲ ★ | | | | | | | | |
| | | Idaho Response Center (IRC) Operational Workshop April 28, 2022 (TBD) ● ● | | Oregon Cascadia Plan Development Workshop June 2022 (TBD) ● ● ▲ ★ | | | | | | |
| | | Washington Restoration Framework Series TTX (Health Services, Social Services) April 20, 2022 ● ● ▲ | | | | | | | | |

Revised: 03/09/2022

Objectives: ● Catastrophic Disaster Preparedness ■ Stabilization and Initial Recovery ◆ National Resource Prioritization and Adjudication ▲ Intermediate and Long-term Recovery ★ Strategic Coordination

FEMA Region 10 NLE Focused Event:

CR 2022 Rehearsal Of Concept (ROC) Exercise

Purpose

- A ROC Exercise allows each organization to explain their expected response/recovery operations to a common scenario through facilitated discussion where specific questions are asked to prompt action.
- The purpose of the CR 2022 ROC Exercise is to:
 - Demonstrate that the Cascadia Subduction Zone (CSZ) plan can be executed as written.
 - Identify/Resolve issues that preclude/degrade CSZ plan execution.
 - Coordinate expectations across the Federal and Regional partners.
 - Ensure participants have a clear understanding of the response and recovery requirements for the scenario and resources required to facilitate the response.



FEMA

Federal Emergency Management Agency

Exercise Objectives

The ROC Exercise objectives support Response and/or Recovery operations that are federally supported, state managed, and locally executed. Each objective aligns to a national-level objective, as determined by the National Level Exercise 2022.

- 1** Demonstrate the plan's concept of operations to address resource and logistics issues.
- 2** Demonstrate the plan's ability to support stabilization of community lifelines through the deployment and employment of Federal incident management/support command, control, and responder communication resources.
- 3** Demonstrate the plan's prioritization and delivery of Federal resources to impacted jurisdiction and the process to request and track additional federal resources.
- 4** Demonstrate the plan's ability to support resource movement and survivor relocation through the employment of federal resources into impacted areas to prioritize, stabilize, and restore key transportation corridors.
- 5** Demonstrate the plan's ability to employ and deploy Federal resources for public messaging, to include Federal communication resources and processes used to support incident management/support operations after a catastrophic CSZ rupture.
- 6** Demonstrate the plan's ability to employ and deploy life-sustaining and human services to the affected population (and their pets), such as immediate and sustained sheltering, temporary housing, and evacuee support, to include services for individuals with access or functional needs.



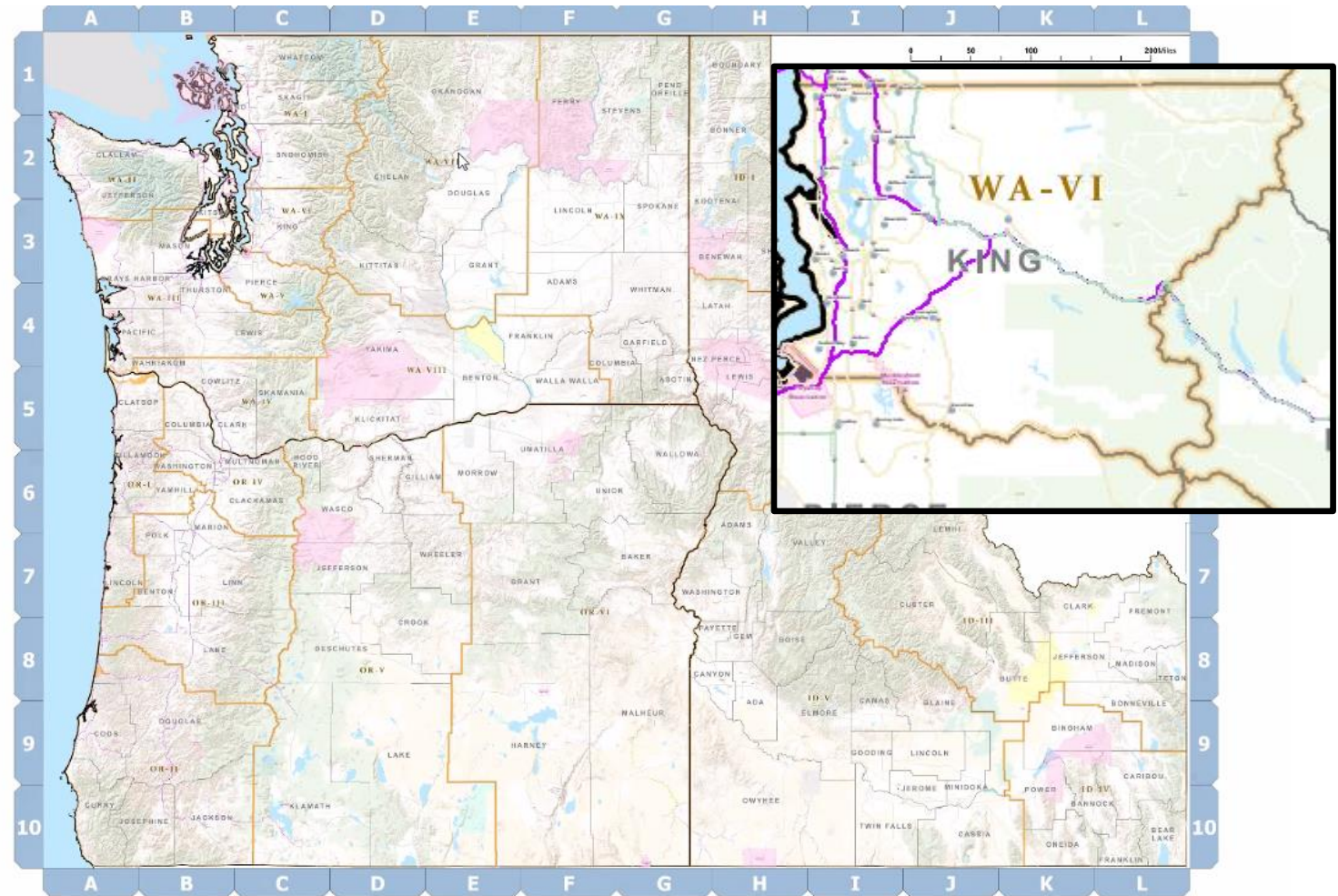
FEMA

Federal Emergency Management Agency

The Map and Icons

FEMA Region R10 Map Template

- **Dimensions:** 35'X26'
- **Map Navigation:** Zone Tabs, Engineering Blocks, Horse-blanket Sectors
- **Design:** Counties, Roads, Branches, State Borders, Tribal Land, and Topography
- **Icons:** Will show various resources for movement during conduct



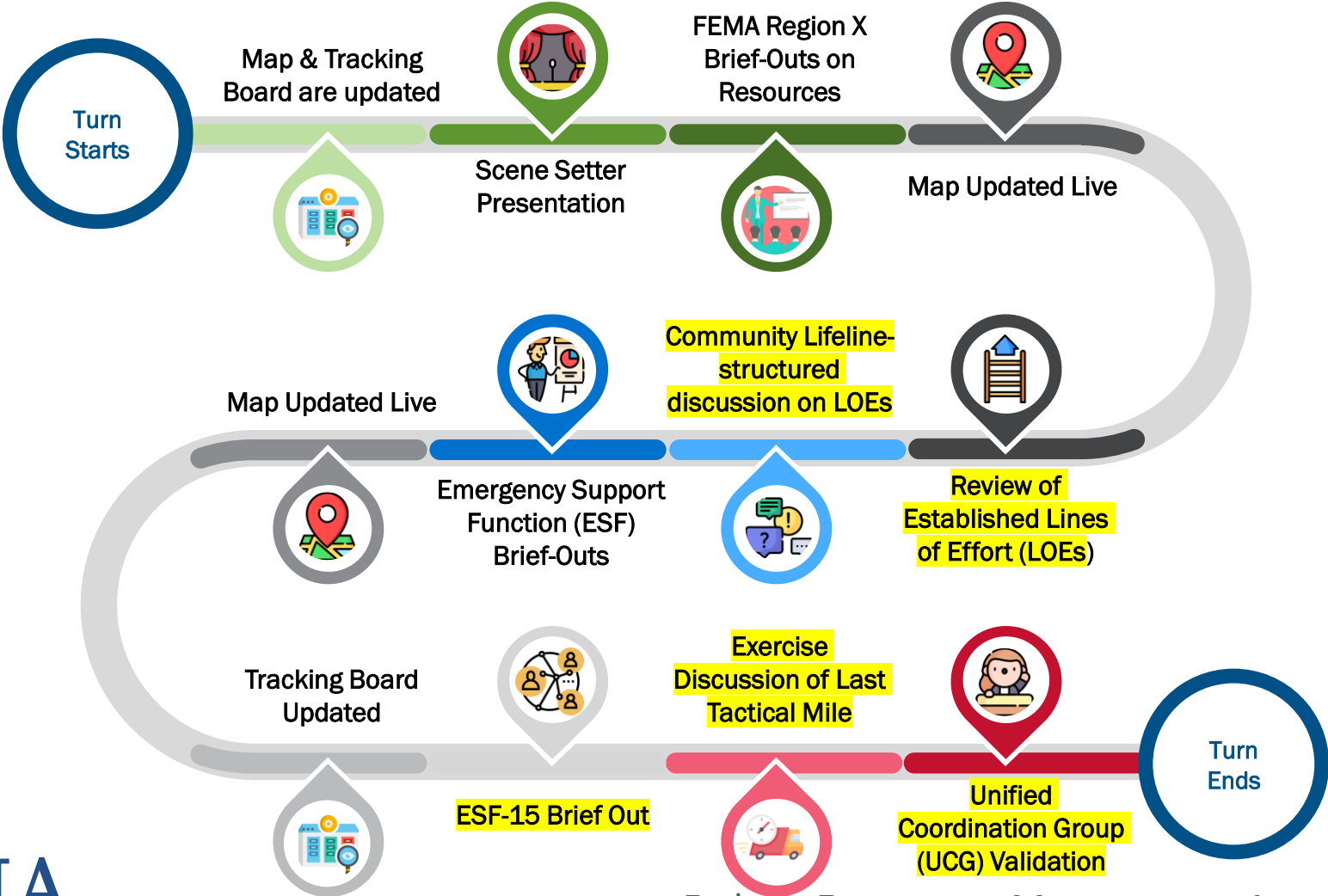
Federal Emergency Management Agency



FEMA

Exercise Structure **DRAFT**

Start of Turn
 Turn 1: R to R+3 days
 Turn 2: R+4 days to R+7 days
 Turn 3: R+8 days to R+14 days



End of Turn

The facilitator highlights specific issues and may use pre-identified discussion questions to resolve gaps



FEMA

Federal Emergency Management Agency

Justin Fordice
Preparedness Specialist
FEMA Integration Team-Washington State
justin.fordice@fema.dhs.gov



FEMA



EMERGENCY MANAGEMENT DIVISION

"A disaster-ready and resilient Washington State"



Closing



Virtual Feedback Platform

Ways to access the virtual feedback form:

1) **Link:**

<https://forms.office.com/g/2Q8weAaMvQ>

2) **QR code:**

Open the camera app on your phone point towards the code, you do not need to take a picture.

Once the camera focuses click on link and your internet browser will open the survey





CR22 Support Contacts

WA EMD Assessment & Exercise:

Robert Sabarese

Assessment & Exercise Programs Supervisor

Robert.Sabarese@mil.wa.gov

(253) 320-5892

Patrick Niles

State Exercise Program Manager

Patrick.Niles@mil.wa.gov

(253) 929-4416



CR22 Support Contacts

Workgroup Leaders:

Critical Transportation:

Dan Banks

WSDOT

Emergency Preparedness T&E Manager

banksd@wsdot.wa.gov

Steve Aberle

American Radio Relay League (ARRL)

Assistant Director, Northwestern Division, Tribal Liaison

cr22-info@aberle.net

Mass Care Services:

Damaris Deschner

WA EMD

State Training Coordinator

Damaris.Deschner@mil.wa.gov

Sarah Nuss

City of Spokane

Director of Emergency Management

snuss@spokanecity.org

Janeen Olson

City of Redmond

Acting Emergency Manager

jrolson@redmond.gov

Lisa Arellano

Salvation Army

Training Program Manager

lisa.arellano@usw.salvationarmy.org

Scenario, Planning, and Evaluation:

Deborah Witmer

City of Seattle, Human Services Department

Vulnerable Populations Planning Coordinator

Deborah.Witmer@seattle.gov

Jim House

DSHS, WASILC, Coalition on Inclusive Emergency Planning

Disability Integration Manager

jim.house@dshs.wa.gov



EMERGENCY MANAGEMENT DIVISION

"A disaster-ready and resilient Washington State"



Questions and Discussion