Critical Infrastructure Reentry and Situational Awareness Project with Drones – Washington State

May 7, 2019 | 8:00am to 12:30PM

8:00AM **Welcome and introductions**

8:10AM **Overview of Critical Infrastructure Reentry and Situational Awareness Project**
- Eric Holdeman, Director, Center for Regional Disaster Resilience

8:20AM **FAA: Update on status of drone/UAV regulations and procedures**
Line of sight and flight over people regulations
- Mike Lizarraga, Special Agent, Law Enforcement Assistance Program, Office of National Security, Federal Aviation Administration

9:00AM **Washington State Patrol UAV Program**
- Detective Sergeant Clint Thomas

9:30AM **Puget Sound Energy: Accessing critical infrastructure**
- David Tyler, Manager of IT Communications, Puget Sound Energy

9:50AM **Tabletop discussion: Current and Future UAV Use**
- Does your organization use drones?
- What applications would be valuable?
- What barriers are preventing drone adoption?
  - Technical knowledge
  - Financial constraints
  - Regulatory uncertainty
  - Organization hesitation
  - Public opposition

10:20AM Break

10:35AM **Domestic Operations Awareness & Assessment Response Tool**
- William Joseph Marler, TSgt, Washington Air National Guard

10:55AM **Business and Damage Assessment Reentry Program**

- Brian Laughlin, Planning Strategist at Washington State Emergency Management Division

11:15AM **Tabletop discussions on proposed Critical Infrastructure Reentry and Situational Awareness CONOPS**

1. Current local access process

- How is access granted to critical infrastructure sites post-disaster?
- Which agencies are responsible for granting permission?
- How do you verify out-of-state workers? For example, if driving in non-marked vehicles?

2. Methods of obtaining situational awareness of infrastructure

- How is the status of critical infrastructure currently determined?
- What tools are currently used or could be used to determine the status?

Examples:

- Drones or other remote sensing technologies
- Visual inspection
- Company reports based on outages detected by their operating systems, e.g. an automatic shutdown of a pipeline that loses pressure

3. Data Format and Transmission

- What data do you need? How can the data be most usable?
- What format is most useful to transmit data?
- What format would contribute to a state-wide situational awareness picture?
- How would you shift through data as managing massive amounts of raw data is burdensome?
- Could you share a live feed?
- What are the points of notification for incident information or routing of information?
  - Would a dashboard (Red, Amber, Green) or other display of damages be useful?

Example:

- Red signifies non-operational infrastructure
- Amber signifies infrastructure is still operational but not at full capacity
- Green signifies infrastructure is operational.
- Include estimated time for infrastructure to be restored (hours, days, weeks)

12:15pm **Report out**

12:30pm **Wrap up**