

PNWER Disaster Resilience Program



PNWER Formed the Center for Regional Disaster Resilience program in 2001 with the goal of improving the Pacific Northwest's ability to withstand and recover and to protect its critical infrastructures from all-hazards disasters.



DHS Sec. Kelly met with PNWER in 2017 to discuss regional resilience issues

National Protection Framework

*Second Edition
June 2016*



PNWER is referenced in the National Protection Framework as the model for bringing the public and private sectors together to address critical infrastructure protection issues.

– June 2016



Maritime Transportation System Cyber Resilience

Product Description:

Through a stakeholder led process develop a regional CONOPS for cyber incident reporting at the local, state and federal levels for the maritime transportation system.



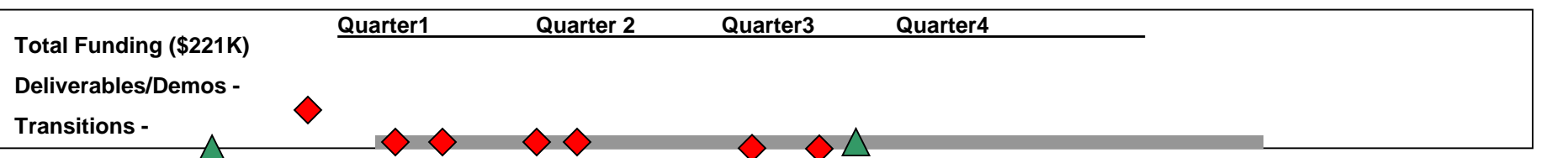
Planned Demos/Deliverables/Transitions:

- Develop Stakeholder Advisory Committee– (Jan)
- Create and disseminate and analyze survey– (Jan-March)
- Workshop to discuss survey – (March)
- Develop draft CONOPS– (April)
- Workshop to review CONOPS– (June)
- Test CONOPS in tabletop with stakeholders– (Aug/Sept)

Payoff:

- Supports local, state and federal needs
- Provides industry defined process

Gap Addressed: Currently no agreed upon regional standards, processes or procedures to define and report cyber incidents to local, state and federal authorities.

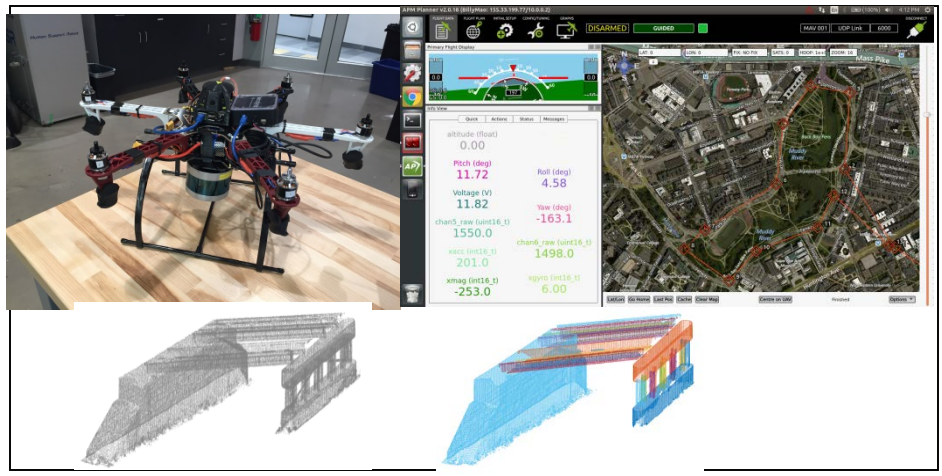




Post Disaster Damage Assessment by Unmanned Aircraft Systems (UAS)

Product Description:

Enhance current critical infrastructure inspection methods by using machine intelligence. Specifically, this project seeks the development of a Small Unmanned Aerial System (sUAS), using lidar technology to support the rapid recovery of critical infrastructure in the aftermath of catastrophic events.



Planned Demos/Deliverables/Transitions:

- Develop CI Task Force
- Host workshop with Task Force
- Develop regional inventory of UAS assets
- Develop and test cost effective tools for damage assessment
- Produce technical report on algorithms used
- Host final workshop with CI owners and emergency managers

Payoff:

- Supports local, state and federal needs for improved rapid inspection of infrastructure
- Developed prototypical control and damage detection algorithms

Gap Addressed: Supports the need to develop new technologies to cost effectively inspect infrastructure and support damage assessment

