ADAC Support to DHS S&T OUP COE Supply chain workshop on COVID-19

A presentation by

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Arctic Supply Chains...a U.S. vulnerability

- U.S. Arctic region remains vulnerable for logistics supply chains
  - Air carriers provide time-sensitive travel for people and priority cargo
    - A prime carrier for rural regions recent bankruptcy (RAVN Air) highlights the fragile state of air transport
    - Airfields are small, limited footprint with challenging weather and limited navigation aides
  - Surface roads are largely void
  - Most heavy, durable and non-time sensitive cargo moves via water conveyance (ship and barge)
  - Very little storage/warehousing
  - Coastal regions and river settlements are vulnerable to weather and physical conditions
- COVID-19 has compounded the challenge/highlighted the vulnerability
  - Legacy/memory of Spanish Flu Pandemic of 1918-19 has greatly reduced movement of people to U.S. Arctic
  - Cargo still moving, but volume is reduced due to less logistics means
  - Incapable of surge without substantial aide (for example, military air or other Federal contract)
  - Any significant safety, security or defense concern would necessitate outside logistics for the response, plus logistically supporting the responder
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Addressing the vulnerabilities...as a part of the DHS S&T COE Network

• Table top exercises provides opportunity to cross examine theories, plans and processes by experts who have different understandings and experiences
• Dedicated teams and roles reduces the probabilities of “Group Think” As an example:
  o Blue Team role playing U.S. Federal Responders
  o White Team serves as the developer and injector of inputs/guides & queues the actions
  o Red Team serves as the opposing force and contrarians
  o Green Team serves as State and Local Responders who role plays in accordance with the National Response Framework
  o Yellow Team serves as Media (representing public affairs challenges and messaging opportunities)
  o Gold Team serves as “Friendly” International Team
  o Purple Team serves as a combined team of industry, academic and non-profits
• While designed for in-person, with ingenuity, such a table-top is suitable for conferencing calls.
  o The secret...is careful and collaboratively developed planning and strong White Cell help/guiding to keep exercise on track for a useful outcome

Equally vital...careful recording, Chatham House and Post-event Analysis
Ready for Questions & Discussion

...Thank you for your attention!