Strategic Context and Overview

Infrastructure Investment and Jobs Act signed November 15, 2021 – provided S&T $157.5M to conduct research and development for critical infrastructure protection

Critical Infrastructure Protection is vital to national economic security, and national public health and safety. The Committee supports critical infrastructure security and resilience to advance national policy to strengthen and maintain secure, functioning, and resilient critical infrastructure.

5 Focus Areas:

1. Special Event Risk Assessments Rating (SEAR)
2. Electromagnetic Pulse and Geo-Magnetic Disturbance Resilience
3. Positioning, Navigation, and Timing
4. Public Safety and Violence Prevention / Soft Target Security
5. Telecommunications Equipment, Industrial Control Systems, Open-Source Software

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Critical Infrastructure Security and Resilience Research (CISRR)

Strategic Framework

- **Purpose**: Identify what we need to technically achieve
  - Sets overarching goal(s) & technical objectives
  - Based on understanding of the intent of each area and current state of play

- **Actions**: How we did this
  1. Examined Strategic and Operational Drivers
     - Congressional Intent
     - Policies, Strategies, EOs, GAO
     - DHS Operational Component Gaps
  2. Understood Current Landscape
     - Relevant DHS Acquisition Program
     - Existing/Ongoing S&T Work
     - Previous Scouting Efforts
     - Current State-of-the-Art
  3. Collaborated with CISA, DHS OPS, other Components

- **Outcome**: Technical Goals, Objectives provide foundation and alignment for lifecycle of RDT&E activities and the development of a Spend Plan

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Focus Area 3: Positioning, Navigation, and Timing

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Goal
Work with industry to fully understand the impacts of new PNT threats, and develop and make available actionable tools, resources, and frameworks with industry adoption and deployment in mind.

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Thank You!
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