NATIONAL PREPAREDNESS SYMPOSIUM

RESILIENCE SERVICES BRANCH
HOMELAND SECURITY & EMERGENCY MANAGEMENT
SUPPLY CHAIN WORK

MAY 25, 2023

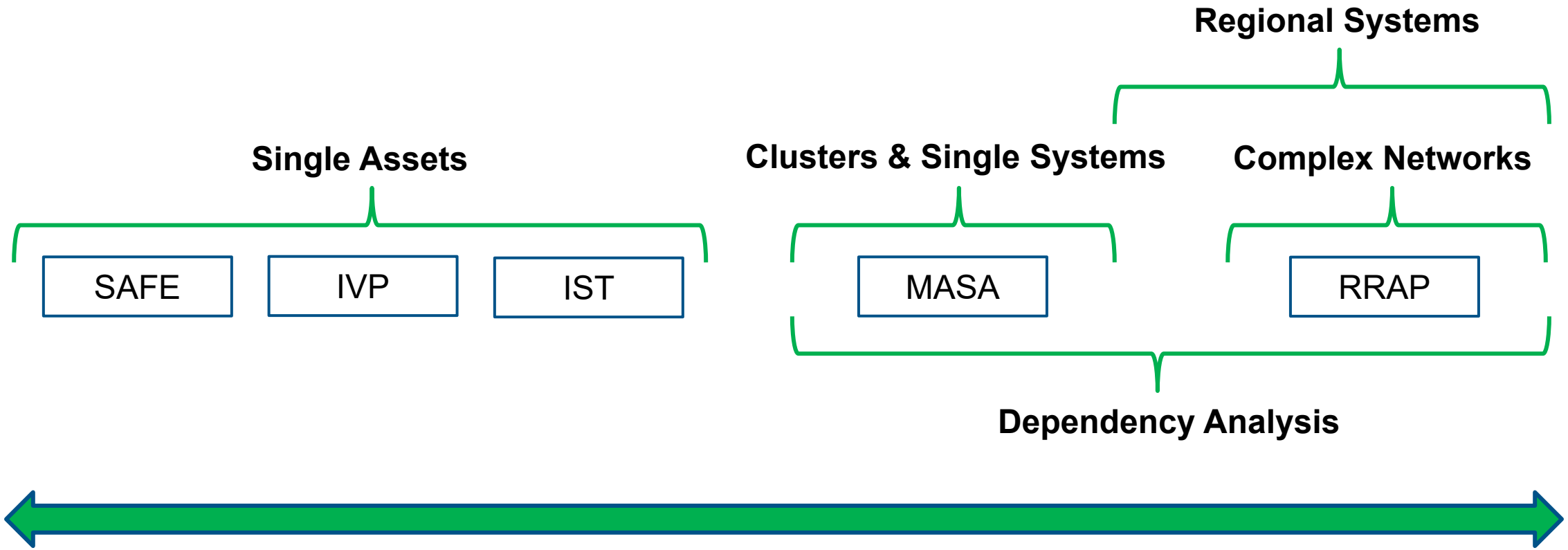
Agenda

- Introductions
- Resilience Services Branch (RSB)
  - Capabilities and Services
- Homeland Security and Emergency Management Agency (DC HSEMA)
  - Supply Chain RRAP Examples
- Questions / Comments

Resilience Services Branch

- Enables infrastructure risk management by providing security and resilience assessments, planning technical assistance, tools, and guidance.
- Delivers **assessment and planning capabilities** for use by CISA field personnel and infrastructure partners throughout the United States
  - Security Assessment at First Entry (SAFE)
  - Infrastructure Survey Tool (IST)
  - Infrastructure Visualization Platform (IVP)
  - Multi-Asset and System Assessment (MASA)
  - Regional Resiliency Assessment Program (RRAP)

Assessments – Spectrum

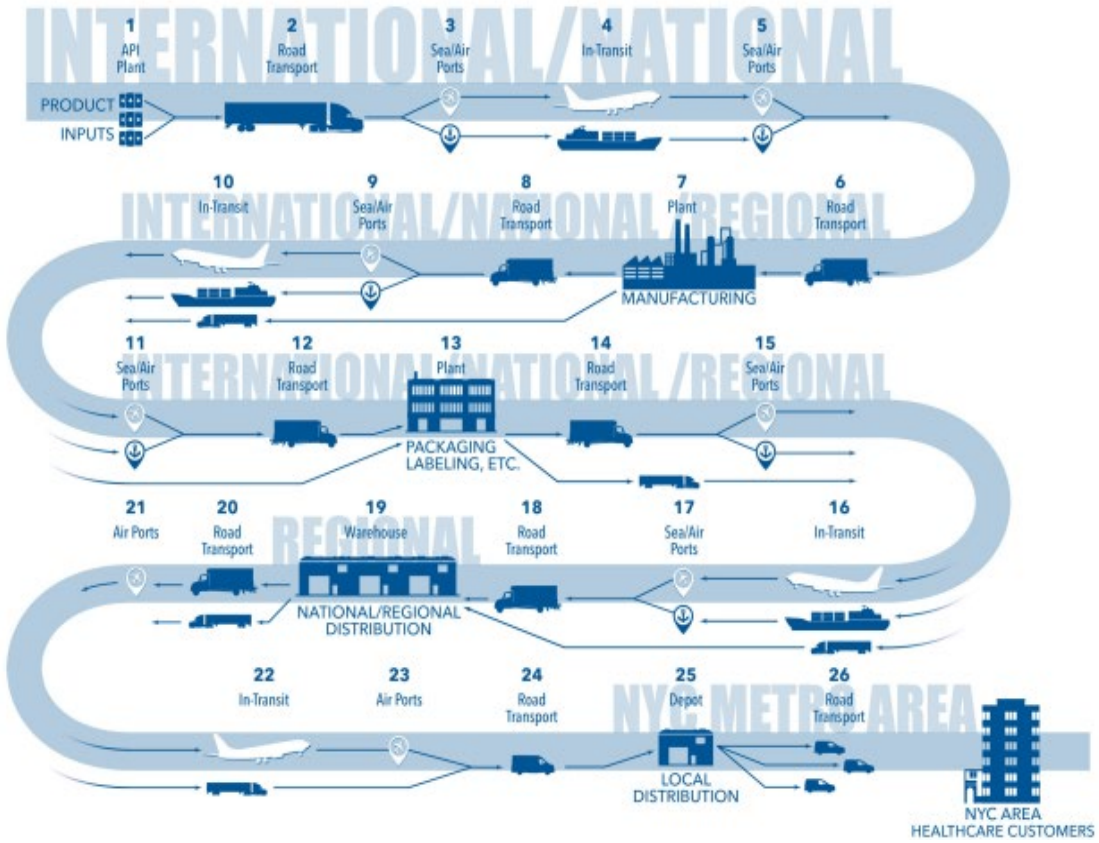


- Less Complex
- Mostly Security Focused

- More Complex
- Mostly Resilience Focused

Supply Chain Overview

- A supply chain is a connected system of organizations, activities, information and resources designed to source, produce and move goods from origination to a final destination.
- This system consists of several operational processes and often involves critical infrastructure.
- It is both scalable and multi-modal; making it a target for several hazards, threats and risks.
- CISA aims to build capacity in it's workforce to understand the business aspects of this intricate organized system to inform stakeholders on risk reduction and mitigation options to enhance the security and resilience of the supply chain and its operating components.



RRAP 2009 – 2022

REGIONAL RESILIENCY ASSESSMENT PROGRAM

The Regional Resiliency Assessment Program (RRAP) is a cooperative assessment of critical infrastructure that is designed to generate greater understanding and action among public and private sector partners and improve the resilience of a region's critical infrastructure.



119

RRAP PROJECTS



550

INFRASTRUCTURE ASSET ASSESSMENTS



62

CYBER ASSESSMENTS



2,200+

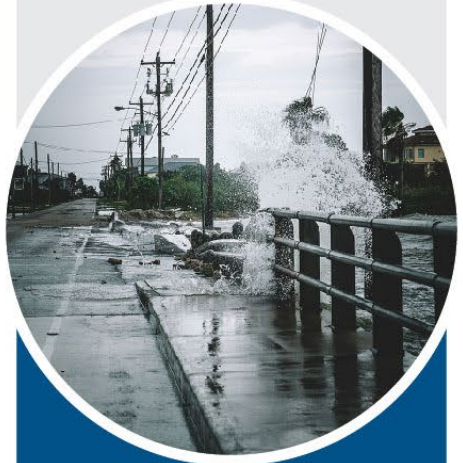
PARTNERS

RRAP 2009 – 2022

THREATS AND HAZARDS

Projects explore different scenarios to understand impacts on infrastructure.

NATURAL HAZARDS
65 PROJECTS



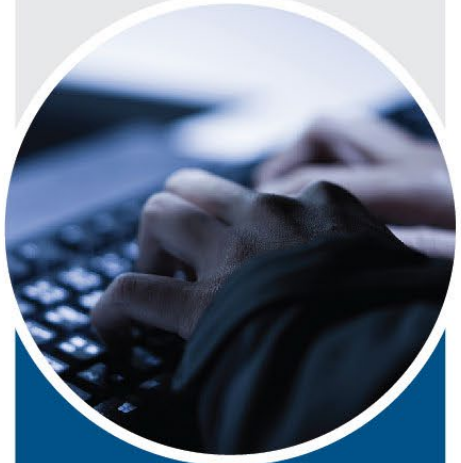
- Storm surge/flooding
- Hurricane
- Earthquake
- Drought
- Climate change

HUMAN-CAUSED THREATS
31 PROJECTS



- Terrorism
- Intentional damage
- Hazardous materials
- Contamination events

CYBER DISRUPTIONS
26 PROJECTS



- Malware/Ransomware
- Denial of Service
- Data Breach
- Insider Threat
- Vulnerability exploitation

SUPPLY CHAIN DISRUPTIONS
26 PROJECTS



- Infrastructure outages
- Power outages
- Other utility outages

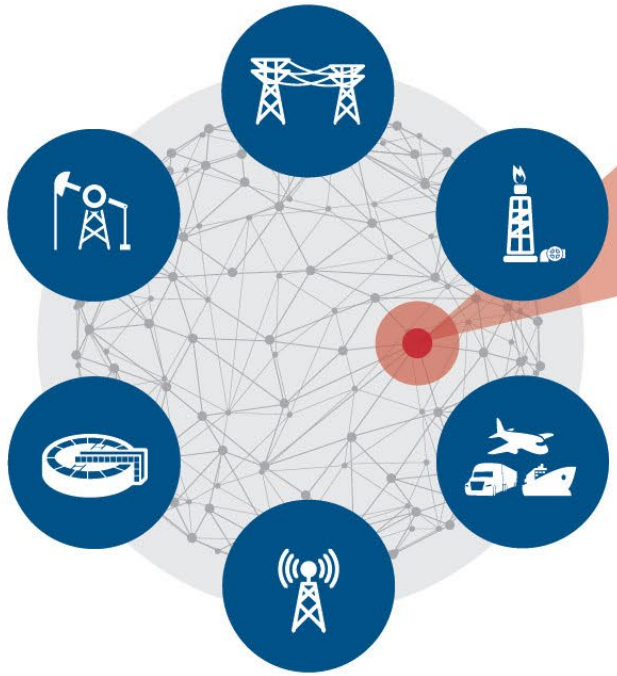
RRAP 2009 – 2022

INFRASTRUCTURE DEPENDENCIES

Dependencies and interdependencies are links between infrastructure and are a key focus in every RRAP project.

OVERVIEW OF DEPENDENCIES

Infrastructure dependencies include physical, cyber, geographical, and logical connections among assets and systems across infrastructure sectors.





DISRUPTIVE EVENT

Events can degrade or disrupt how infrastructure systems operate.

NATURAL HAZARDS

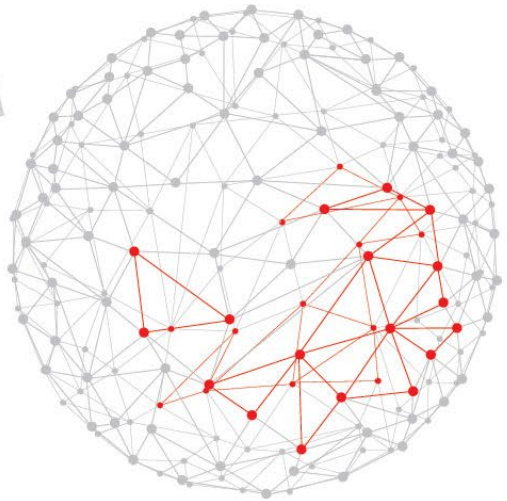
MAN-MADE HAZARDS

CYBER DISRUPTIONS

INFRASTRUCTURE FAILURES

CASCADING FAILURES

A single disruption can cascade across systems and trigger multiple failures.

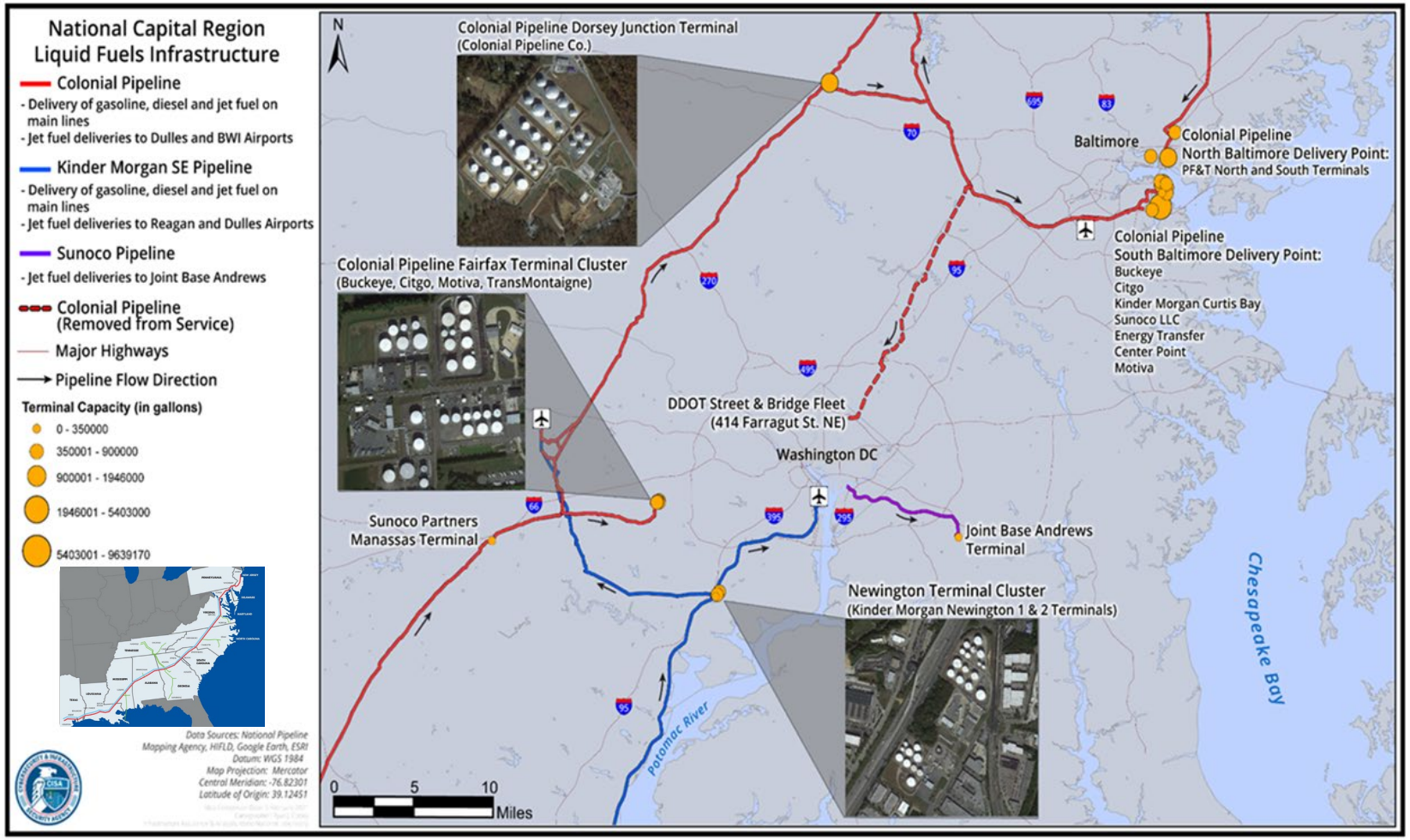


RRAP - Outcomes & Benefits

Outcome	Benefit
Improved knowledge of regional infrastructure	• Improves risk awareness for all regional partners • Promotes private sector risk management decisions • Promotes/supports FSLTT planning and preparedness • Supports CISA ESF#14 readiness
Data	• Expands infrastructure data set for other regional efforts and further analyses
Methods and resources	• Applies assessment knowledge to broader community • Generates new CISA resources
Expanded partnerships	• Creates new and improved relationships with stakeholder communities • Increases opportunity for further CISA engagement

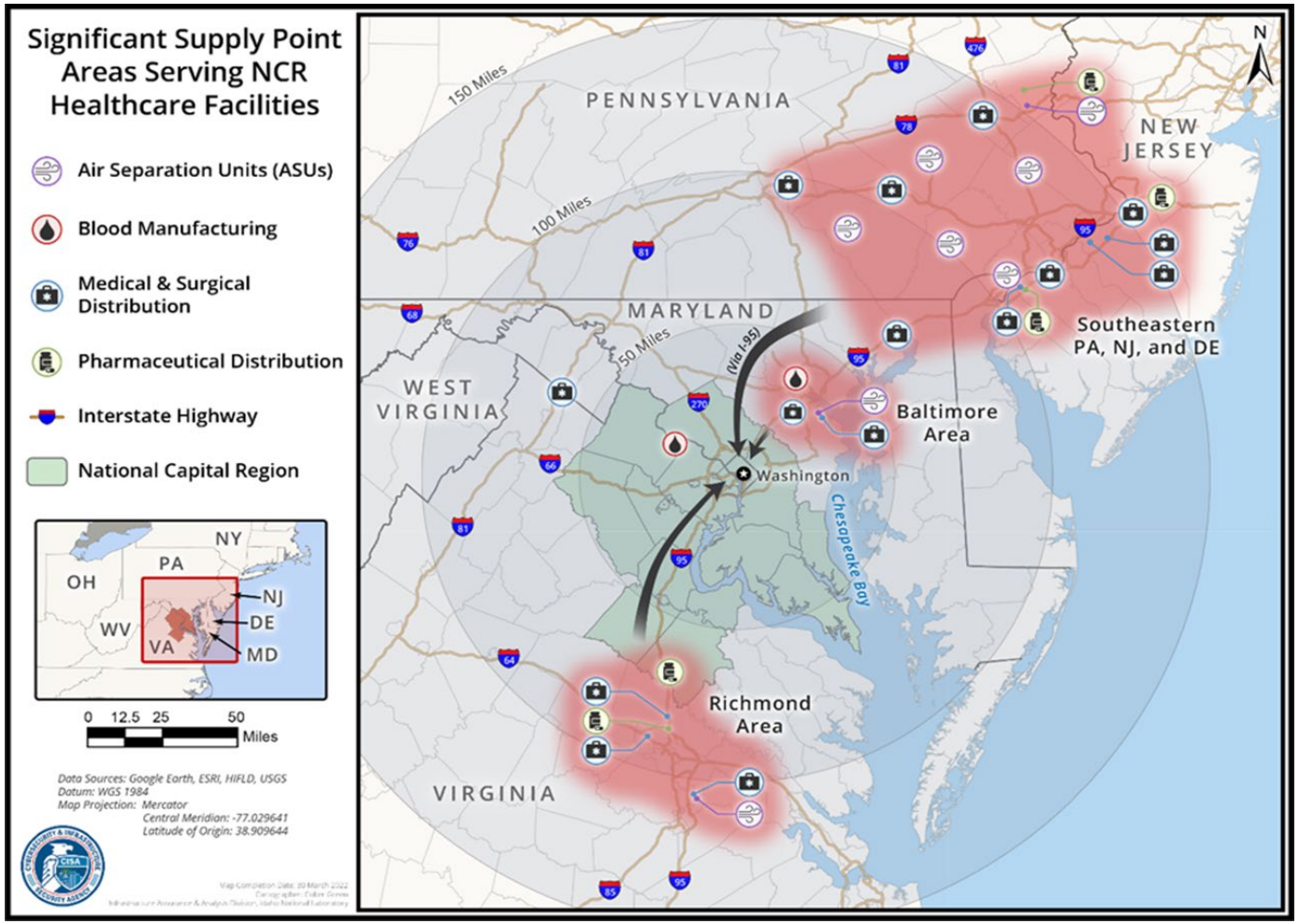
Example: DC Petroleum Fuel RRAP

- Single source of supply
- Key infrastructure outside the District
- Power and communications dependencies



Example: NCR Healthcare RRAP

- Resilience
- Risk concentration
- Dependence on common supply routes and modes





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