Control System Cyber Incident Handling: A Law Enforcement Perspective

Panelists:

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Moderator:

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Introductions

Jeff Morgan, FBI

Process Control Systems Analyst, Cyber Division

Darren Sabourin, RCMP

Corporal, RCMP Technological Crime Unit

Susan Ferensic, FBI

Supervisory Special Agent, Cyber Division,
SCADA Program Manager

FBI

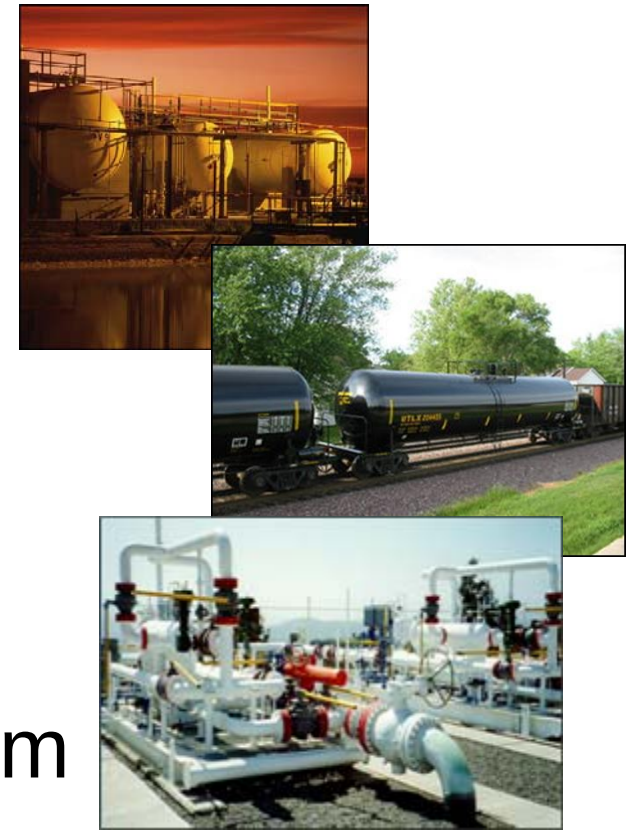
- FBI's cyber mission focuses foremost on serious computer intrusions.
- Trained cyber squads at all 56 field offices and FBI Headquarters.
- Dedicated analysts focused on Process Control / SCADA (PCS) issues and USG collaboration.
- Cyber Action Teams trained in PCS issues and ready to respond.
- Outreach efforts to PCS owners / operators.

RCMP

- Eight (8) Integrated Technological Crime Units (TCU) across Canada
  - Technological Crime Branch in Ottawa.
- Mandate is extensive
  - Computer/Network Intrusions, Computer Forensics, Internet-based Investigations, Mobile/Embedded Device Examination.
- Dedicated positions in each TCU to Critical Information Infrastructure Protection
  - Training/investigational support to areas such as Botnets and SCADA/Control Systems.
- Align strategies with Public Safety Canada's "National Strategy and Action Plan for Critical Infrastructure".
  - Document scheduled for release in Mar/2009.
- October, 2008 SCADA Security Workshop
  - Bringing together Private-Sector owner/operators and Government
  - Learn about Control System Cyber Security and the importance of partnerships and information-sharing.
- Work closely with other National departments and International Law Enforcement.

Emerging Issues

- The changing landscape
  - Trending
  - Chatter
  - National efforts
- Working with the public
- Working with the legal system
- Finding the resources/talent



Observations From the Field

- Lessons from outreach efforts
- What investigators can/should expect
- What asset owners can expect
- Public perceptions of LE actions
- Applying current methods to SCADA/ICS

Research Initiatives – What can be done to help?

- What is needed by L.E. to bring response capability closer to the crime
  - Incident handling
  - Forensics
    - OS vendor cooperation
    - ICS vendor cooperation
  - Bag and tag – how does it differ with ICS?

Open Discussion