Control System Cyber Incident Handling: A Law Enforcement Perspective

Panelists:
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Moderator:
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Introductions

Jeff Morgan, FBI
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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
- 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".
- 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