





conEdison, inc.





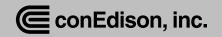
OT Cybersecurity





Agenda

- Introduction
- NIST Framework
- Defense-in-Depth
- Segmentation Example
- Industry Driven Regulations







About Con Edison

- Founded in 1823 as the New York Gas Light company
- Provide electric, gas, and steam service for the 10 million people who live in New York City and Westchester County
- Second largest solar producer in North America







NIST Cybersecurity Framework









Defense-In-Depth

- Multiple layers of security
- Demilitarized Zones (DMZs) between security zones
- Multiple security controls at each security layer

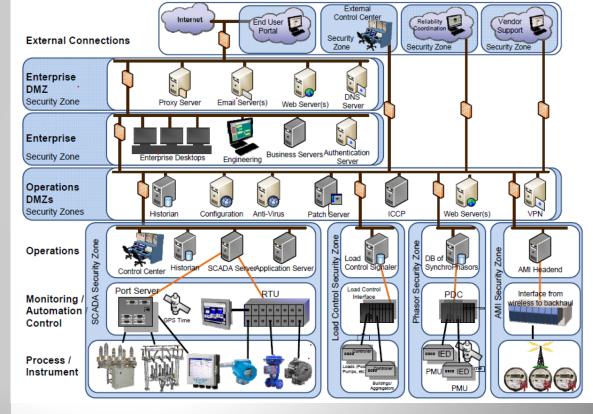
Untrusted External Network
Outbound DMZ
Inbound DMZ
Trusted Internal Network & Control System
e.g. Jump Server
e.g. Historian
e.g. Corporate IT and Internet





Segmentation: Multiple DMZ Example

Notional Utility Architecture for Business Networks and Control Systems



https://www.nerc.com/comm/CIPC_Security_Guidelines_DL/Control_Systems_Electronic_Connectivity_Guideline.pdf

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Industry Driven Regulations



Federal
Regulations

State Regulations

Industry participation





Discussion



