



NERC Standard CIP-014, Physical Security

Planning Advisory Committee

Brent Oberlin

DIRECTOR, TRANSMISSION PLANNING



NERC CIP-014, Physical Security

- New NERC Standard is in effect. It is available at:
<http://www.nerc.com/ layouts/PrintStandard.aspx?standardnumber=CIP-014-2&title=Physical Security&jurisdiction=United States>
- Purpose – “To identify and protect Transmission stations and Transmission substations, and their associated primary control centers, that if rendered inoperable or damaged as a result of a physical attack could result in instability, uncontrolled separation, or Cascading within an Interconnection.”



Standard Requires Equipment Owners to Take Action

- “**R4.** Each Transmission Owner that identified a Transmission station, Transmission substation, or a primary control center in Requirement R1 and verified according to Requirement R2, and each Transmission Operator notified by a Transmission Owner according to Requirement R3, shall conduct an evaluation of the potential threats and vulnerabilities of a physical attack to each of their respective Transmission station(s), Transmission substation(s), and primary control center(s) identified in Requirement R1 and verified according to Requirement R2.” ...



Standard Requires Equipment Owners to Take Action

- **“R5.** Each Transmission Owner that identified a Transmission station, Transmission substation, or primary control center in Requirement R1 and verified according to Requirement R2, and each Transmission Operator notified by a Transmission Owner according to Requirement R3, shall develop and implement a documented physical security plan(s) that covers their respective Transmission station(s), Transmission substation(s), and primary control center(s). The physical security plan(s) shall be developed within 120 calendar days following the completion of Requirement R2 and executed according to the timeline specified in the physical security plan(s). The physical security plan(s) shall include the following attributes
- **5.1.** Resiliency or security measures designed collectively to deter, detect, delay, assess, communicate, and respond to potential physical threats and vulnerabilities identified during the evaluation conducted in Requirement R4.
- **5.2.** Law enforcement contact and coordination information.
- **5.3.** A timeline for executing the physical security enhancements and modifications specified in the physical security plan.
- **5.4.** Provisions to evaluate evolving physical threats, and their corresponding security measures, to the Transmission station(s), Transmission substation(s), or primary control center(s).”



Information Release

- Due to the very nature of this information, information related to the measures being taken to address concerns identified through CIP-014 will be protected and will not be released to the public
 - This information is considered to be beyond the bounds of protection in place for those that are approved to receive Confidential Energy Infrastructure Information (CEII) and will not be released to those individuals



Handling of Materials

- Planning Advisory Committee (PAC)
 - Remediation actions being taken by the facility owners will be handled as Asset Condition
 - However, there will not be a presentation from the facility owner to the PAC about the measures being taken
 - All costs for each equipment owner will be combined into one row on the Asset Condition list; one row per owner
 - The row will be identified as “CIP-014” with no further specificity
- Reliability Committee (RC)
 - Modifications are needed to Planning Procedure No. 4, Procedure for Pool-Supported PTF Cost Review – details will be discussed at the RC
- Transmission Committee (TC)
 - Modifications are needed to Schedule 12, Transmission Cost Allocation on and after January 1, 2014 – details will be discussed at the TC



Questions

