Westar Energy
CIP V5 Transition Study & ESP Lessons Learned
June 3, 2014

Taking Security to heart.
Transition Study Scope

• BES Cyber System Identification
  • Generation
  • Substation
• Technical Solutions
  • Configuration Baseline & Patch Management – BigFix
  • Security Information & Event Manager - Splunk
  • Privileged Access & Account Management - CyberArk
• Administrative Controls
  • Identify V3 to V5 Policy and Procedure Gaps
  • Develop Program Level Guidance
CIP V5 Transition Study Phase 1

- BES Cyber System Identification
  - Generation
  - Substation
  - EMS
- Applicability
  - At the device level
- Ownership
  - New SME’s
  - Begin Culture shift
Transition Study Wrap-up Week

- Attended by NERC and SPP
- Reviewed Westar’s progress of transition
- Toured Substation and Generation facilities
- Q&A Session
CIP V5 Transition Study Phase 2

• Procedure Analysis
  • Transitioning existing procedures from V3 – V5
  • Integrate technical solutions into procedures
  • Identify controls

• Technical Solutions
  • Configuration Baseline & Patch Management – BigFix
  • Security Information & Event Manager - Splunk
  • Privileged Access & Account Management - CyberArk

• Training
  • Informative
  • Required (role based)
  • Continue culture shift
ESP Design Lessons Learned

- Completed as part of CIP-002 identification process
- Complete detailed inventory of how cyber assets are communicating
- Determine essential connections to BES Cyber Assets
Challenges

- New CIP SMEs and affected employees
- Substation Routable/Serial Protocol
  - Business case still in progress
- Complete Administrative Controls
  - Documentation, implementation, education and outreach
Westar Transition Study Lessons Learned

- Establish “buffer” timeframe for compliance
- There are different ways to achieve CIP V5 compliance
- Consider reliability improvement opportunities in design
- Involve Business Unit engineering resources early in the design phase
- Work with impacted Business Units to budget accordingly
- Centralize Physical Security monitoring
Questions?

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