September 25, 2014

ABB Power Generation DCS Users Group
NERC CIP v5 Special Interest Group
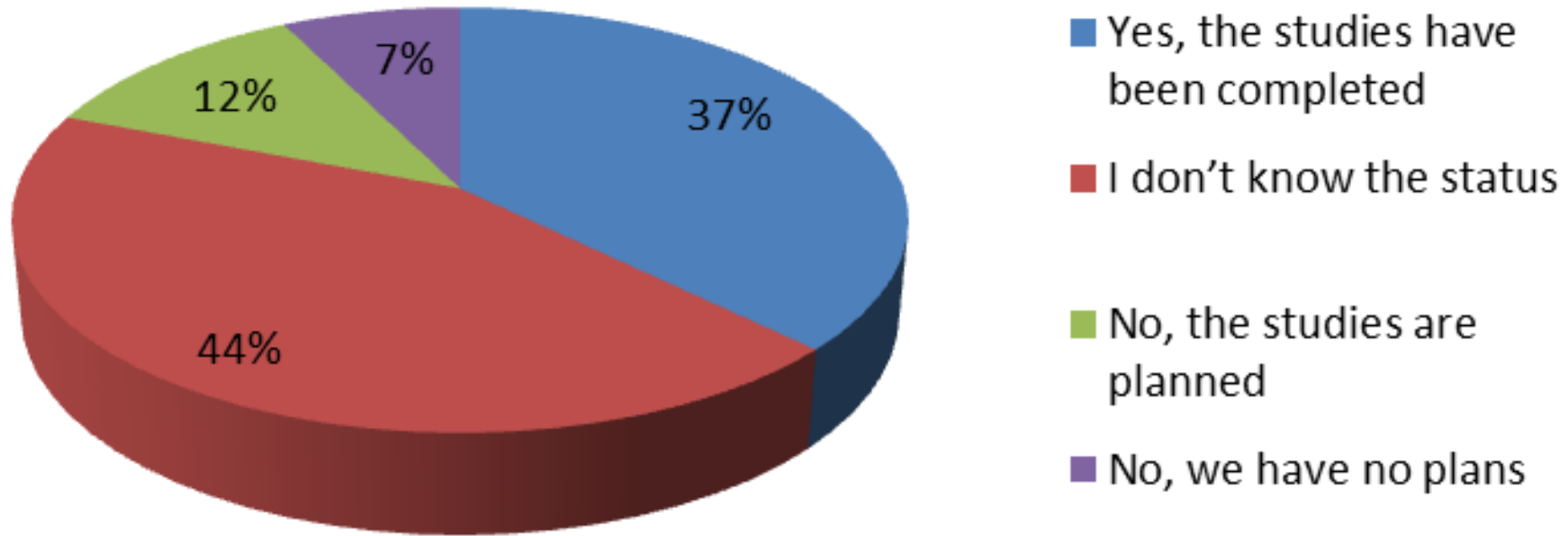
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Registration Peer Group Survey

Current Compliance Program?
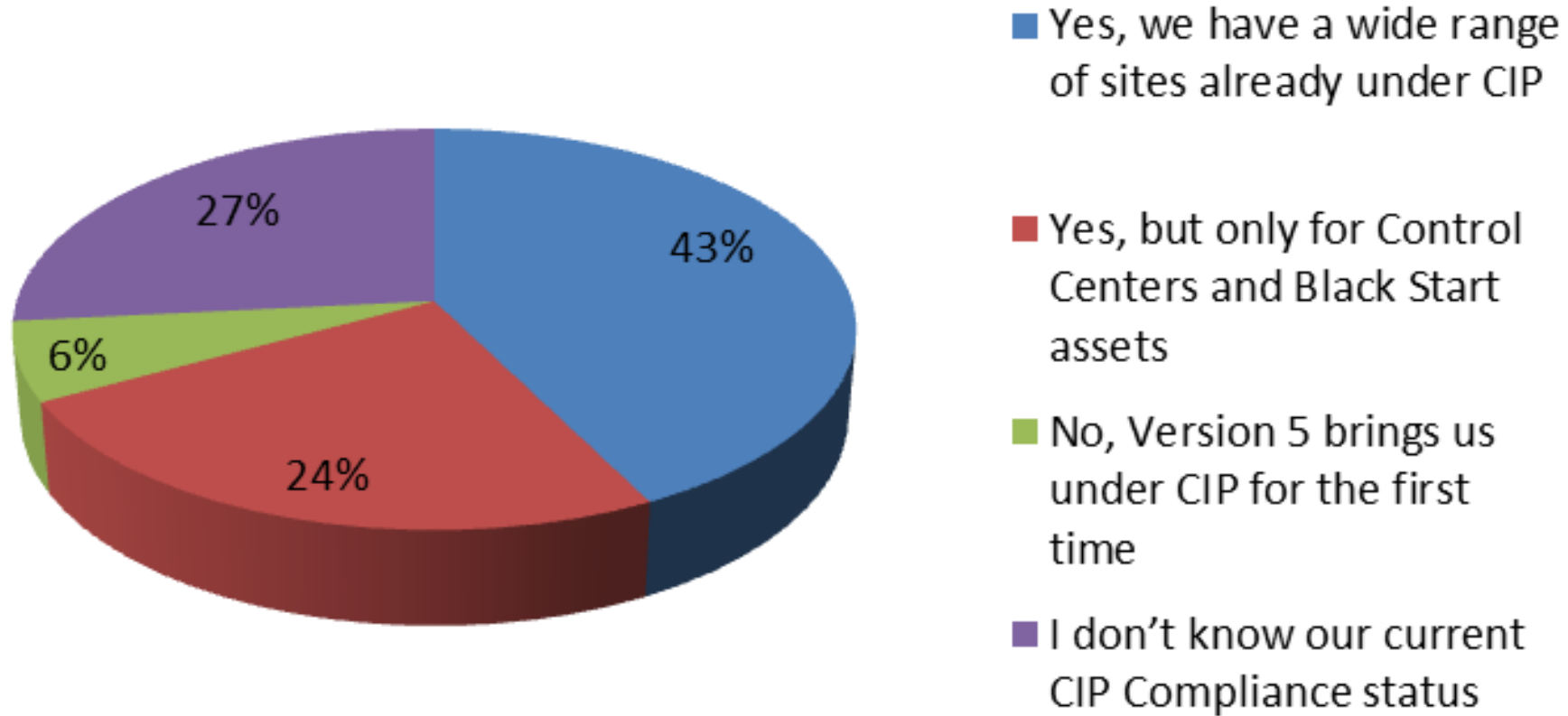
- Yes, we have a wide range of sites already under CIP — 43%
- Yes, but only for Control Centers and Black Start assets — 24%
- No, Version 5 brings us under CIP for the first time — 6%
- I don't know our current CIP Compliance status — 27%

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Registration Peer Group Survey

Registration Peer Group Survey

Single PoC for v5

- 49% Yes
- 19% Sort Of
- 1% One is Planned
- 31% No

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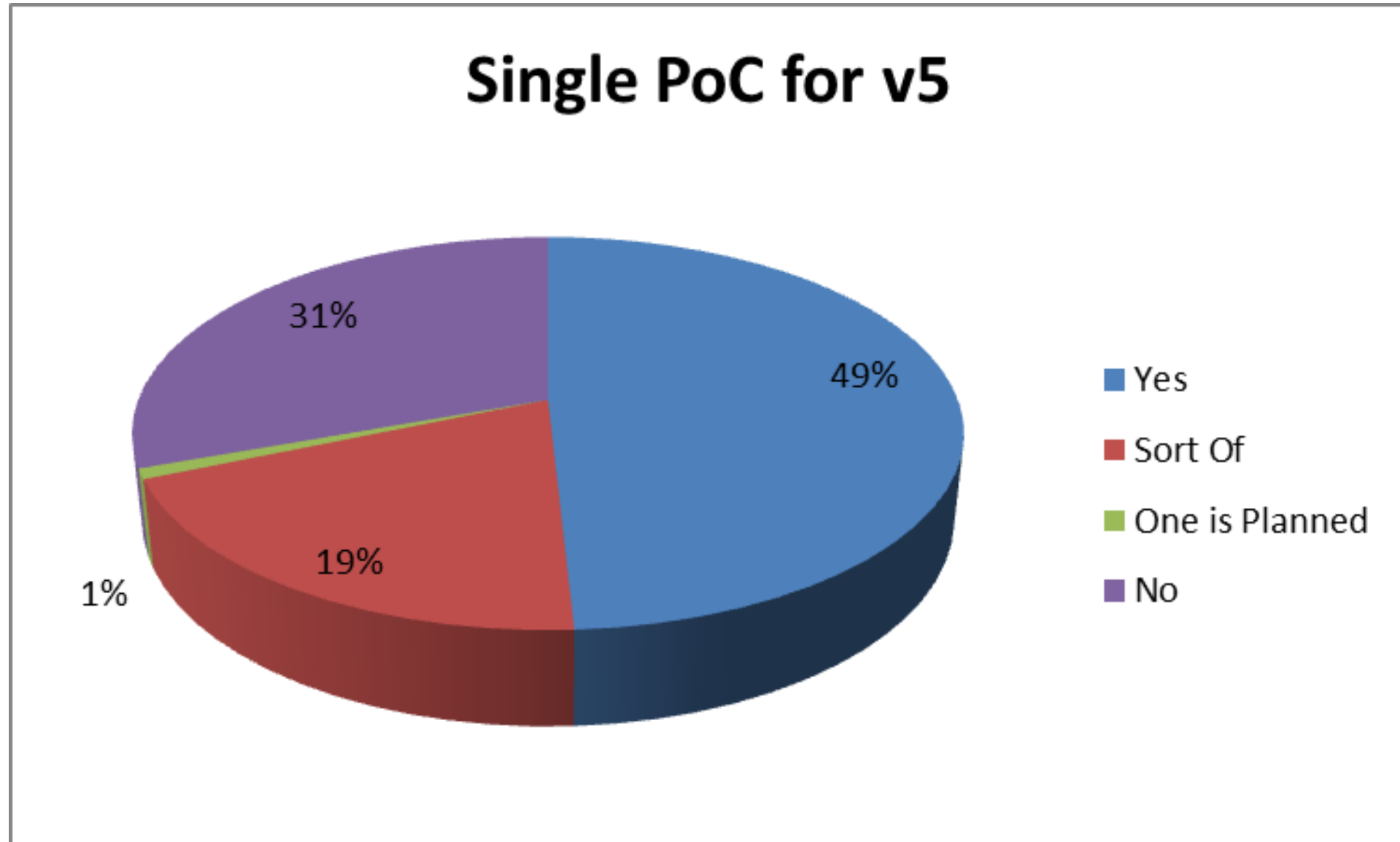
September 25, 2014

ABB Power Generation DCS Users Group
NERC CIP v5 Special Interest Group
BES Cyber Asset Categorization

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Additional NERC CIP educational webinars
(All webinars are Eastern Time)

NERC CIP Education Webinar Series - http://new.abb.com/us/about/nerc-cip-education

- **Version 5 Transition – Joe Baxter**
  Wednesday, October 8, 2014 at 2:00 p.m.
  Learn the basics of how NERC CIP Version 5 as well as the differences between Version 3 and Version 5.
  Register now: https://www1.gotomeeting.com/register/869577776

- **Change management - Joe Baxter**
  Wednesday, October 15, 2014 at 2:00 p.m.
  Learn about change management and the fact that this will be the largest area of recurring effort. You will gain understanding of why Patch Management is not a solution to meet your NERC CIP updates and why Version 3 no longer applies.
  Register now: https://www1.gotomeeting.com/register/567897657

- **Baseline management – Joe Baxter**
  Wednesday, October 22, 2014 at 2:00 p.m.
  Learn what a baseline and testing are, why automation is key and what is required to meet Version 5 compliance.
  Register now: https://www1.gotomeeting.com/register/937111497

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Additional NERC CIP educational webinars
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NERC CIP Education Webinar Series - **http://new.abb.com/us/about/nerc-cip-education**

- **Cyber asset grouping for Power Generation – Tim Conway**
  Thursday, October 23, 2014 at 12:00 p.m.
  (Power generation specific) Learn process approaches to CIP-002-5.1 R1 as it pertains to BES cyber asset categorization.
  Register now: https://www1.gotomeeting.com/register/774616816

- **Access management and malicious software controls – Joe Baxter**
  Wednesday, October 29, 2014 at 2:00 p.m.
  Learn how to access control fits with CIP-004-5 and why account management is not effortless.
  Register now: https://www1.gotomeeting.com/register/448008129

- **Low assets and future CIP versions – Tim Conway & Joe Baxter**
  Wednesday, November 5, 2014 at 2:00 p.m.
  (Power generation specific) Learn the compliance requirements for entities with low assets and audit worksheets as well as future standard activities.
  Register now: https://www1.gotomeeting.com/register/872327665

- **Identification and review of critical transmission assets - Martin Shalhoub,**
  Wednesday, November 12, 2014 at 2:00 p.m.
  Learn how to approach the guidelines and criteria highlighted by NERC to fulfill the risk assessment goal.
  Register now: https://www1.gotomeeting.com/register/639963169

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ABB Power Generation NERC CIP v5 Special Interest Group

Agenda

- Introductions

- BES Cyber Asset Categorization: Approaches to CIP-002-5.1 R1 – Tim Conway

- Discussion on differing approaches – Audience Feedback Session

- Call for customer feedback on shared resource

- Audience Q&A - Any security topic of interest – ABB Panel

- Response Polling

- Conclude

- Pop-Up Response Survey (5-minutes of your time)

Today's Panel

- Mike Radigan, Senior Advisor, Cyber Risk Management, ABB PSPG

  - Mike.Radigan@us.abb.com   (614) 398-6241

- Tim Conway, EKC Consulting and Technical Director, ICS and SCADA programs at SANS - Tim is the current Chair of the NERC CIP Interpretation Drafting Team, member of the NESCO advisory board, current Chair of the NERC CIPC GridEx Working Group, and Chair of the NBISE Smart Grid Cyber Security panel. conwaytimothyj@gmail.com

- Joseph "Joe" Baxter, NERC CIP Lead, ABB HV/DC

  - joseph.baxter@us.abb.com

- Joe Doetzl, CISO and Head of Cyber Security, ABB Ventyx.

  - Joe.Doetzl@ventyx.abb.com

ABB Power Generation NERC CIP v5 Special Interest Group

Agenda

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NERC CIP v5 SIG for Power Generation

Three (3) Part Series on NERC CIP v5 for Power Generation

- Part I: BES Cyber System Asset Categorization - Approaches to CIP-002-5.1 R1 (Sept 25th)

- Part II: BES Cyber System Asset Grouping (Oct 23rd)

- Part III: Low Assets and Future CIP Versions (Nov 5th)

- Registration is now open for Part II on October 23rd

    - https://www1.gotomeeting.com/register/774616816

- Featuring NERC CIP v5 Expert Panel

    - Tim Conway, Chair of NERC CIP Interpretation Drafting Team

    - Joe Doetzl, FERC Order 706 Drafting Team, Former NERC compliance consulttant

    - Joe Baxter, Former NERC CIP auditor in SERC region

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Join the ABB DCS Users Group
Share, exchange, and connect with your peers!

- **Website:** **www.adcsug.com**

- Users of ABB control system products and services industries.
  - Forum to: share experiences, learn and collaborate influence and improve ABB control products and services

Welcome to the ABB DCS Users Group.

- Top 5 reasons to join the group:
  - Networking: true peer-to-peer forums
  - Improvement suggestions: day-to-day challenges discussed and ideas exchanged
  - News: related articles and information from the industry
  - Events calendar: stay connected with users and ABB Power Generation
  - Polls / surveys: express your opinion and make your voice heard

- "The value of a users group, and that in particular of ABB DCS Users Group, is that as a group we have more access and leverage to change and improve the product than as individuals acting alone. It also allows us to participate in discussions that bring the best ideas forward and facilitates sharing information that helps everyone." - Bill Ossman, ABB DCS Users Group STECO member

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Security Workplace
Reliability – Security – Compliance

Security Baseline Requirements	MAINTAIN	DEFEND	COMPLY
▪ ServiceGrid support contract	✓	✓	✓
▪ Automated backup & recovery	✓	✓	✓
▪ ServiceGrid Cyber Security Patch delivery	✓	✓	✓
▪ System hardening	✓	✓	✓
▪ Managed anti-virus deployment	✓	✓	✓
▪ Managed Microsoft patching deployment	✓	✓	✓
Proactive Security Measures			
▪ Electronic perimeter protection*		✓	✓
▪ Security event management*		✓	✓
▪ ICS asset management*		0	✓
▪ Configuration change management*		0	✓
NERC CIP Compliance			
▪ Automated data collection*			✓
▪ Automated compliance reporting*			✓
▪ Policy management*			✓

*Available for Fleet-Wide and Multi-Vendor Control Systems

**Active ServiceGrid contract required

✓= Included   0= Available as an option

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