

# **NERC CIP -003-3 R5 Identify Individuals who can** authorise access

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- R5. Access Control The Responsible Entity shall document and implement a program for managing access to protected Critical Cyber Asset information.
  - The Responsible Entity shall maintain a list of designated personnel who are responsible for authorizing logical or physical access to protected information.
    - Personnel shall be identified by name, title, and the information for which they are responsible for authorizing access.
    - R5.1.2. The list of personnel responsible for authorizing access to protected information shall be verified at least annually.
  - The Responsible Entity small review at least annually the access privinges to protected R5.2. information to confirm that access privileges are correct and that they correspond with the Responsible Entity's needs and appropriate personnel roles and responsibilities.
  - R5.3. The Responsible Entity and assess and document at least annually the processes for controlling access privileges to protected information.

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# **NERC CIP -003-3 R6 Changes to IED Firmware version** Changes to IED Configuration version and setting

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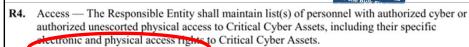
Change Control and Configuration Management — The Responsible Entity shall establish and document a process of change control and configuration management for adding, modifying, replacing, or removing Critical Cyber Asset hardware or software, and implement supporting on management activities to identify, control and document an entity related changes to hardware and software components of Critical Cyber Assets pursuant to the

# identify, control and document all entity or vendor-related changes to hardware and software components

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# NERC CIP 004-3a R4 Know who has access to what Revoke < 24 hours if dismissed Revoke <7 days if access no longer required

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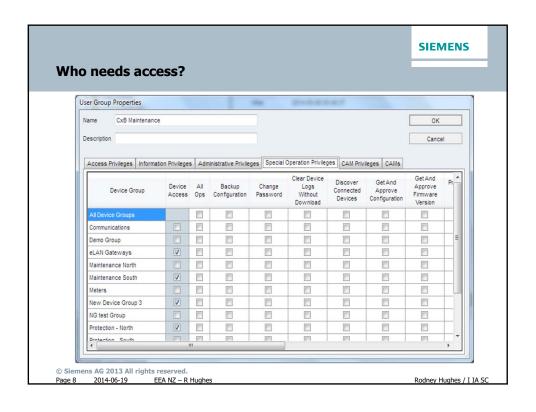
- The Responsible Entity shall review the list(s) of its personnel who have such access to Critical Cyber Assets quarterly, and update the list(s) within seven calendar days change of personnel with such access to Critical Cyber Assets, or any change in the access rights of such personnel. The Responsible Entity shall ensure access list(s) for contractors and service vendors are properly maintained.
- R4.2. The Responsible Entity shall revoke such access to Critical Cyber Assets within 24 hours for personnel terminated for cause and within even catendary lays for personnel hours for personnel terminated for cause and within even cater who no longer require such access to Critical Cyber Assets.
  - Review quarterly, update list within 7 days
  - Revoke access
  - within 24 hours terminated with cause
  - 7 calendar days no longer require access

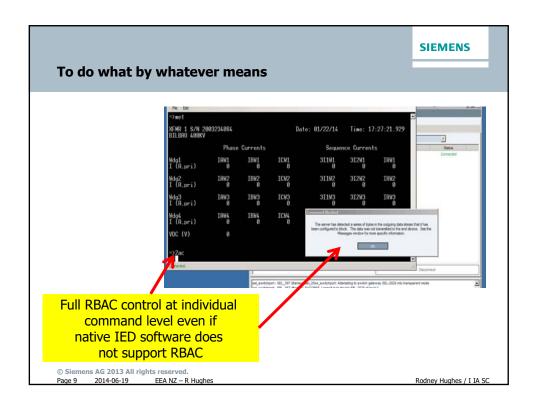
**SIEMENS** Not just power industry – any IED environment **Utilities:**  Smart Grid deployment power, water, gas, telecommunications; Communicating sensors & controllers Transport control systems: road, rail, airport; Cloud computing approaches Mining and/or industrial plant; Remote access to devices Building/site management Smart phone access systems Wireless technology The "internet of things" © Siemens AG 2013 All rights reserved.
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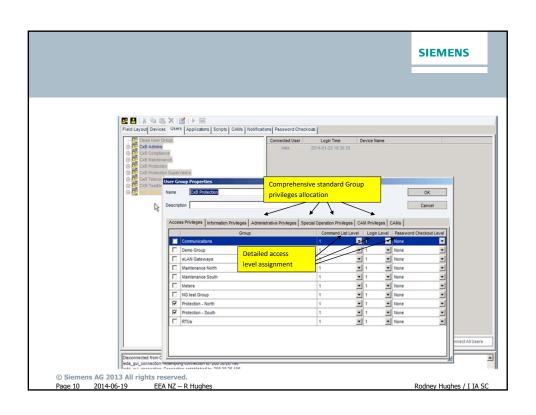
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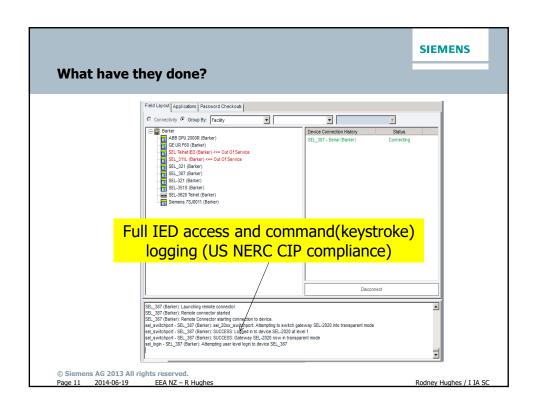
# **SIEMENS** Access for who? For what? Engineering personnel ·Geographical region Site specific Commissioning personnel Maintenance personnel Device Specific Vendor support personnel Command Specific •Role Specific: View or Edit © Siemens AG 2013 All rights reserved. Page 6 2014-06-19 EEA NZ – R Hugl

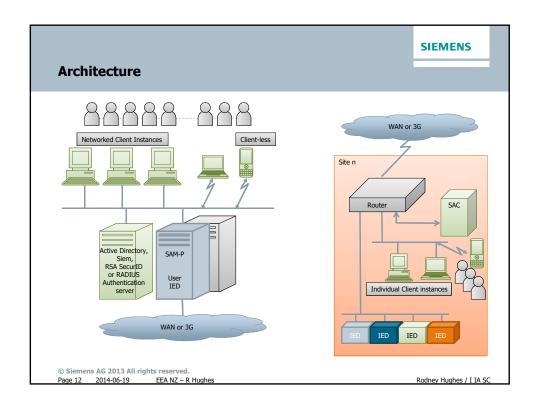
# Summary Resilient central and remote architecture Centrally managed Users Comprehensive user-specific RBAC mechanisms IED-type agnostic operation Enhanced management of 'integrated' IED Centrally accessed with IED password obfuscation











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### **Further Information**



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