

Sandy Bacik

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To: csctgarchi@nist.gov
Subject: CSWG Architecture minutes from 20120112

CSWG Architecture twiki: <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/CsCTGArchi>
Chair: Sandy Bacik (sandy.bacik@enernex.com)

20120112 Minutes

1. Current tasks.

- a. Updating the NISTIR 7628 architecture chapter (<http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CsCTGArchi/20120112-SecurityServices.ppt>).
 - i. The harmonization will add 12 new actors to the NISTIR and spaghetti drawing
 1. The AMI subgroup provided 4 new actors: 2 in Customer and 2 in Operations
 2. The SGAC resulted in 8 new actors: 2 in Operations, 5 in Marketing and 1 that is cross-cutting (Asset Management System).
 3. All of the service providers were able to be abstracted into actor #43 Energy Service Providers.
 4. Thank you Elizabeth Sisley for your good work.
 5. Elizabeth Sisley and John Camilleri are standardizing the actor definitions.
 6. The spaghetti drawing will be updated and new interfaces will be added for the new actors.
 - ii. A question was raised about renaming the Bulk Generation domain to Distributed Energy Resources Domain. The SGAC had some discussions on the topic and no decision was made. Sandy Bacik will follow-up with the SGAC conceptual architecture and follow their lead.
- b. Conceptual security architecture - applying security services.
 - i. We started work on reviewing the service definitions and if the security service should be applied at the enterprise level, component level, application level, and to all messages.
 1. A "Yes" means the service would need to be defined and used at each C-I-A level and a "No" means the service is not necessarily defined but may be changed to a "Yes" based on the C-I-A level.
 2. We talked about combining the "Enterprise Registration" and "Enterprise Unique Naming" services, because the base definitions are very similar.
 3. We talked about removing the "Directory Service" service, because this would really be a specific technology that would be implemented and this should not be at the conceptual level.
 4. Access Control: Enterprise, SG Component, SG Application, all messages - Yes.
 5. Audit: Enterprise, SG Component, SG Application, all messages - Yes.
 6. Authentication - Enterprise: Enterprise - Yes; SG Component, SG Application, all messages - No. NOTE: If we require semi-single or single sign-on, then it might make all 'Yes'.
 7. Authentication - Message Origin: Enterprise - No; SG Component, SG Application, all messages - Yes.
 8. Authentication - Session: Enterprise - No; SG Component, SG Application, all messages - Yes.
 9. Authorization: Enterprise, SG Component, SG Application, all messages - Yes.
 10. Availability / Reliability: Enterprise, SG Component, SG Application - Yes; all messages - No.
 11. Certification - Enterprise Credentials: Enterprise, SG Component, SG Application - Yes; all messages - No.
 12. Certification - Enterprise Public Key: Enterprise - Yes; SG Component, SG Application, all messages - No.
 13. Certification and Accreditation: Enterprise, all messages - No; SG Component, SG Application - Yes.

14. Confidentiality - Message Contents: Enterprise, SG Component, SG Application, all messages - No.
15. Confidentiality – Stored Data: Enterprise, SG Component, SG Application, all messages - No.
16. Confidentiality – Traffic Flow: Enterprise, SG Component, SG Application, all messages - No.
17. Contingency Planning: Enterprise, SG Component, SG Application - Yes; all messages - No.
18. Crisis Management: Enterprise, SG Component, SG Application - Yes; all messages - No.
19. Directory Service: Enterprise, SG Component, SG Application, all messages - No.
20. Disaster Recovery: Enterprise, SG Component, SG Application - Yes; all messages - No.
21. Enterprise Registration: Enterprise, SG Component, SG Application, all messages - Yes.
22. Enterprise Unique Naming: Enterprise, SG Component - Yes; SG Application, all messages - No.

2. Open floor

- a. None.

3. Attendees

- a. Elizabeth Sisley
- b. John Camilleri
- c. Sandy Bacik

Regards,

Sandy Bacik, CISSP, CISM, ISSMP, CGEIT

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