March 15, 2013

Note to CSWG (SGCC) Reviewers:

As promised, the revision to NISTIR 7628, Guidelines for Smart Grid Cyber does not make sweeping changes, rather just a few of the following areas have been updated:

In Volume 1, Chapter 1 we introduced the new membership based SGIP organization. We included information about the new Executive Order on Improving Critical Infrastructure Cybersecurity and a section on combined cyber-physical attacks. The Outstanding Issues and Remaining Tasks Section was updated to include a few new areas and to remove a few others.

In Volume 1, Chapter 2, additional details on defense-in-depth strategies in Section 2.2.2 was added. Clarifications was made based on the Smart Grid Interoperability Panel's Smart Grid Architecture Committee (SGIP's SGAC) review—specifically references to the SGAC, legacy systems, microgrids, and wide area situation awareness (WASA) that is often shared between business entities, and market dynamics.

In Volume 1, Chapter 3, additional information was added in Section 3.4 and in describing the security requirements in Section 3.6.1. A few minor editorial changes were made to the requirements. A new section was added on testing and certification that describes the SGIP Guide for Assessing the High-level Security Requirements and also a brief description is provided about the SGIP Interoperability Process Reference Model.

In Volume 1, Chapter 4, minor edits and updated references to NIST Special Publications were made. The Annex A, FIPS 140-2 approved algorithms table was also updated.

In Volume 2, updates were made to the exiting references, regulations, and best practices. New recommendations were added for PEVs and for third parties accessing customer usage information. Also the use cases have been augmented with data privacy recommendations.

In Volume 3, Chapter 6, minor edits were made throughout the chapter and the software, firmware, and platform vulnerabilities were updated to include new vulnerability classes. In Chapter 8 some new research areas were added as well as a few research areas removed. In Chapter 9, there is now a very detailed description of the standards review process. In Chapter 10, the use cases for AMI were modified.

Your feedback on the revised NISTIR 7628 is invaluable. Please provide any comments by April 1, 2013. It would be greatly appreciated if you submit any comments by utilizing the comment form that can be downloaded for each Volume. Comments should be sent to: NISTIR.7628.Rev1@nist.gov

Sincerely,

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Smart Grid Interoperability Panel