

NIST Home > Smart Grid Homepage

## Of Interest

.....  
[NIST & The Smart Grid](#)  
 .....  
[Smart Grid Interoperability Panel](#)  
 .....  
[Smart Grid Advisory Committee](#)  
 .....  
[Research, Reports & Presentations](#)  
 .....  
[Federal Register Notifications](#)  
 .....  
[Congressional Testimony](#)  
 .....  
[Press Releases](#)  
 .....  
[International Coordination](#)  
 .....  
[FAQ](#)  
 .....  
[Glossaries](#)  
 .....  
[NIST Smart Grid Collaboration Wiki](#)

## Selected Publications

.....  
[Smart Grid Interoperability Panel Catalog of Standards](#)  
 .....  
[NIST-identified Standards for Consideration by Regulators, Release 1.0](#)  
 .....  
[GAO Report 11-117:Electricity Grid Modernization](#)  
 .....  
[NISTIR 7628 Guidelines for Smart Grid Cyber Security \(3 vols.\)](#)  
 .....  
[NIST Framework and Roadmap for Smart Grid Interoperability Standards, Release 1.0 \(pdf\)](#)  
 .....  
[Charter for the Smart Grid Advisory Committee](#)



## Welcome

Welcome to the Smart Grid website at the National Institute of Standards and Technology (NIST). Whether you are a consumer, engineer, or policymaker, this website can help you learn about and participate in the Smart Grid and in the development of the interoperable standards that will make it possible. Today's electric power grid ranks as the single greatest engineering achievement of the 20th century. And tomorrow's Smart Grid will be one of the greatest achievements of the 21st century. By linking information technologies with the electric power grid—to provide "electricity with a brain"—the Smart Grid promises many benefits, including increased energy efficiency, reduced carbon emissions, and improved power reliability.

Just as the Smart Grid enables two-way sharing of information and electricity, we hope that this website helps us share information, expertise, and enthusiasm. We welcome your comments and your participation.

---George Arnold, Director, Smart Grid & Cyber Physical Systems Program Office  
 Coordinator, Smart Grid Interoperability

## News

[NIST Releases Update to Smart Grid Framework](#)  
[U.S., Europe Collaborating on Smart Grid Standards Development](#)  
[Smart Grid Panel Approves Six Standards for Catalog](#)  
 >> [see all news ...](#)

## Latest Developments

[10/25/11 Draft NIST Framework & Roadmap for Smart Grid Interoperability Standards 2.0 for public comment](#)  
[9/8/11- House Science Committee Technology & Innovation Subcommittee Hearing on Smart Grid](#)  
[4/22/11 - NIST Reply Comments in Response to 2/16/11 FERC Supplemental Notice Requesting Comments on Smart Grid Interoperability Standards](#)  
[4/7/11 NIST Response to FERC Supplemental Notice Requesting Comments \(Dated 2/16/11\)](#)  
[NIST Submitted Testimony 1/31/11 FERC Technical Conference on Smart Grid Interoperability Standards](#)

## Related Links

.....  
[Department of Energy](#)  
 .....  
[Smartgrid.gov](#)  
 .....  
[National Association of Regulatory Commissioners \(NARUC\)](#)  
 .....  
[Federal Energy Regulatory Commission](#)  
 .....  
[Smart Grid Information Clearinghouse](#)  
 .....  
[North American Electric Reliability Corporation \(NERC\)](#)

## Contact

### Smart Grid National Coordinator General Information:

301-975-2232 Telephone  
 301-975-4091 Facsimile  
<mailto:smartgrid@nist.gov>

100 Bureau Drive, M/S 8100  
 Gaithersburg, MD 20899-8100

The National Institute of Standards and Technology (NIST) is an agency of the U.S. Department of Commerce.

[Privacy policy](#) / [security notice](#) / [accessibility statement](#) / [Disclaimer](#) / [Freedom of Information Act \(FOIA\)](#) / [Environmental Policy Statement](#) / [No Fear Act Policy](#) / [ExpectMore.gov](#) (performance of federal programs) / [NIST Information Quality Standards](#) / [Scientific Integrity Summary](#)

Date created: August 24, 2010 | Last updated: December 2, 2011 | Contact: [Webmaster](#)



Sign Up for NIST E-mail alerts: