

# NIST Interoperability Standards Update (Part II)

## Testing and Verification of Interoperability

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- Introduction:
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# The NIST Role

*Energy Independence and Security Act (EISA) of 2007  
Title XIII, Section 1305.  
Smart Grid Interoperability Framework*

In cooperation with the DoE, NEMA, IEEE, GWAC, and other stakeholders, **NIST** has “primary responsibility to **coordinate development of a framework** that includes protocols and model standards for information management to achieve **interoperability** of smart grid devices and systems...”

# Background

- Definition of interoperability
- Steps to achieving interoperability
- Thoughts on steps:
  - Standards (well documented)
  - Active support of standard
    - Frequent updates and additions
    - User guides, training courses, source code
  - Migration path from existing standards
  - Test plans and procedures
  - Certification plan and policy
  - Approved certification facilities
  - Users must specify certified products