NASPI Certification and Testing Panel
June 5, 2012

Rik Drummond
rikd@drummondgroup.com

CEO, Drummond Group Inc
- Chair, NIST SGIP Testing and Certification Committee
- Board Member, NIST Smart Grid Interoperability Panel
- Board Member & Chairman Emeritus, DoE GridWise Architecture Council
- Author/Chair: RFC3335 & RFC4130
- Author/Chair: ebXML messaging v1.0
Conformance programs test an individual product against an individual standard.

- An assessment of whether a product conforms to specifically identified requirements within a standard or specification.

Interoperability programs are multi-product tests using one or more standards to assess the ability of the products under test to communicate and work together.

- Products that have been successfully tested for conformance to a standard provide a good baseline going into interoperability testing.
  - but conforming products are not necessarily interoperable, thus the need to move to this next level of performance testing.

Certification is a third-party attestation of successful conformance and interoperability testing.
Test and Certification Supporting
Relationships

- SSO / SDO
- Standard/specification
- ITCA
- IPRM version 2
- CPR’s (ISO 67)
- CB’s (ISO 65) & TL’s (ISO 17025)
- AB’s (ISO 17011)

Products / systems certified interoperable & cyber secure
Who is Drummond Group?

- DGI is an independent, privately held company that audits, tests and certifies software and drives adoption of technical standards by conducting cyber-security, interoperability and conformance verification.
- Founded in 1999, DGI has tested thousands of products from around the globe for industries including:
  - healthcare,
  - retail,
  - grocery,
  - petroleum,
  - pharmaceutical,
  - financial services and
  - automotive