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Smart Grid “Triptik”

- Define Key Milestones in the Development of a Smart Grid
- Provides a tool for Tracking the Nation’s Progress Towards Developing a Smart Grid
- Provides Guidance for Research & Development Organizations, Standards Bodies, Suppliers, Implementers, Regulators, Legislators, etc.
- Unites Stakeholders



Smart Grid “*TripTik*”

- Process
 - Engage Representatives from all Stakeholders
 - Identify a Smart Grid Functionality
 - Demand Response, Advanced Metering, Distribution Automation, etc.
 - Define Milestone Categories
 - Technical Development, Demonstration/Pilot, Implementation, Standardization, Regulation, Interoperability
 - Form Working Groups and Organize Workshop(s) to Develop Milestones
 - Organize Milestones onto a Timeline
 - Publish results openly and widely

Smart Grid TripTik – Example: Advanced Metering Infrastructure

- **Technical Development**
 - Security policy templates for AMI - threat assessment, mitigation, detection
 - Reference design (interface definitions, information models, etc.)
- **Demonstration / Pilot**
 - Demo of AMI system utilizing reference design and security policy templates
- **Implementation**
 - Large-scale, multi-vendor implementation based on reference design
- **Standardization**
 - Standardization of information models / harmonization across standards bodies
- **Interoperability**
 - Validation test of multi-vendor interoperability
- **Regulation**
 - Reference design mandated by Regulators