

## **IntelliGrid Transmission Systems Project Set 161B 2010 Update**

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# PS161B Infrastructure for Intelligent Transmission Systems

- Focus is on
  - communications and IT infrastructure
  - open and interoperable system
  - migration strategies
- Assess additional possible communications needs for real-time applications
- Identify migration strategies for advanced transmission applications using
  - interoperable, common database models
  - communications standards
  - by developing enterprise wide use cases

# Value

## P161.003 - Common Information Model and Information Integration for Transmission Applications

- What are we doing in 2010?
  - Transmission Common Information Model (CIM) Workshop
  - Common Information Model (CIM) Tools Workshop
  - Conduct industry CIM/GID interoperability tests in conjunction with current IEC revisions
- Why is it valuable?
  - CIM can provide important benefits in the integration of applications and help to streamline business operations.

# 2010 Projects

Project Number	Project Title	Description
P161.003	Common Information Model and Information Integration for Transmission Applications	This project develops requirements and use cases for advanced transmission operations. These requirements serve as the basis for data and device models for emerging standards as well as for contributions to standards activities within key industry organizations such as IEC, IEEE, NIST and others.
P161.015	Smart Transmission System Implementation Strategies	This project will create strategies for utilities migrating existing transmission communications technology to a system wide communications and IT infrastructure. Lessons learned will be documented in case studies.

# P161.015 - Smart Transmission System Implementation Strategies

<b>Product Title &amp; Description</b>	<b>Planned Completion Date</b>	<b>Product Type</b>
<b>Implementation Strategy Assessment</b>	12/31/10	Technical Update
<b>Information Sharing across T&amp;D operations</b>	12/31/10	Technical Update

# P161.015 - Smart Transmission System Implementation Strategies

## Objectives

- Implementation Strategy Assessment

## Deliverables

- Technical Update

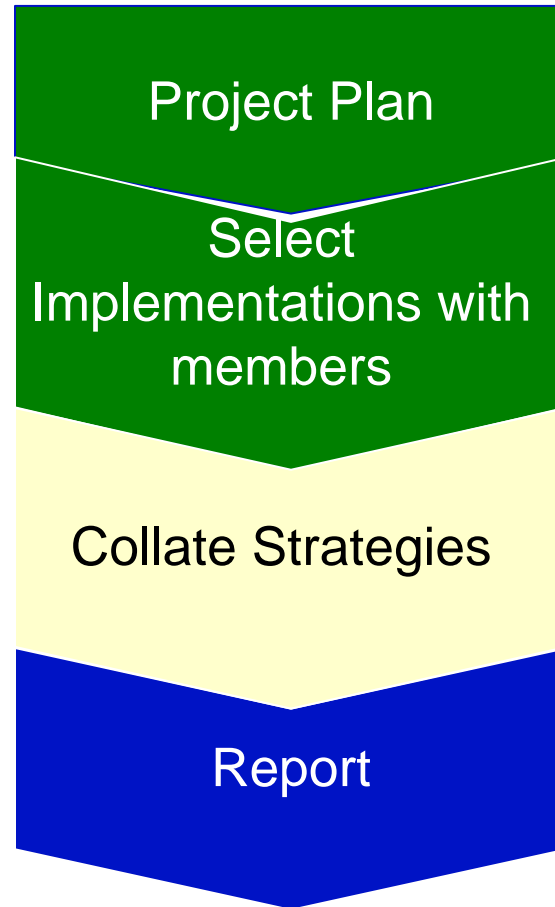
## Completion Date

- December 2010

## The Big Picture

- This project will perform an assessment of a selection of smart grid implementations at utilities for best practices, lessons learned and other insights beneficial to utilities considering adoption of smart grids.

## Key Tasks and Milestones



# P161.015 - Smart Transmission System Implementation Strategies

## Objectives

- Information Sharing across T&D operations

## Deliverables

- Technical Update

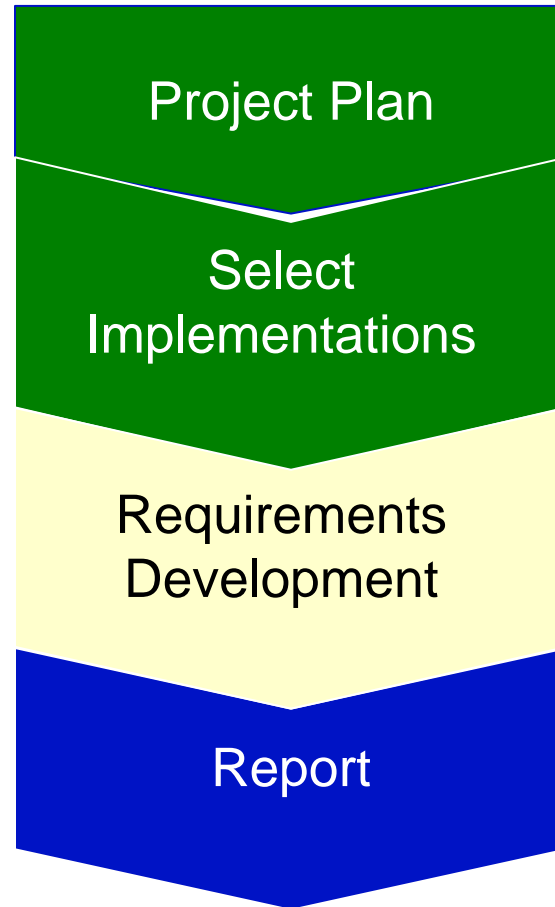
## Completion Date

- December 2010

## The Big Picture

- This project will focus on value of smart grid enabled information sharing across the T&D enterprise. This will be a joint project with PS161C.

## Key Tasks and Milestones



## P161.003 - Common Information Model and Information Integration for Transmission Applications

<b>Product Title &amp; Description</b>	<b>Planned Completion Date</b>	<b>Product Type</b>
Transmission Common Information Model (CIM) Workshop	12/31/10	Workshop
Common Information Model (CIM) Tools Workshop	12/31/10	Workshop
Conduct industry CIM/GID interoperability tests in conjunction with current IEC revisions	12/31/10	Technical Update



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