

Introduction to the Smart Grid Interoperability Panel (SGIP)

Mission, Structure, Governance, and
Workgroups



Purpose of this briefing

- This breakout will introduce the Smart Grid Interoperability Panel. The SGIP is an organization that fills the gap between well-focused standards development, and, broad scope applications of the Smart Grid requiring interoperation between many such standards. The structure of the SGIP is presented along with rationale for its composition, its tools, and its process and procedures. We will present the chartered deliverables of the organization and how it functions.



TOPICS

- Overview
 - SGIP & SGIP-GB Mission
 - 1000 foot view
 - Overall structure
- SGIP Structure
 - Governing Board
 - SGIP Plenary
 - Administrator
- Deliverables and Artifacts



SGIP & SGIP-GB Mission

- The mission of the SGIP is to provide a strong framework for coordination of all stakeholders of the Smart Grid to accelerate standards harmonization and development. The SGIP does not write standards, but instead develops and reviews use cases, identifies requirements, and proposes action plans for achieving these goals.



100,000 FOOT VIEW

- Smart Grid continues to be a high priority for the Administration
 - See OSTP Blog - <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/OSTPConsumerInterfaceSmartGrid>
- SGIP is a ground-breaking organization, off to a fast start, built to last
 - Great leadership team
 - Over 600 member organizations
 - International participation
- NIST Release 1.0 Interoperability Framework and Roadmap published
 - Starting point for SGIP – first step in a 20 year journey
 - Will be reissued from time-to-time reflecting SGIP results and recommendations



100,000 FOOT VIEW (continued)

- NIST IR 7628 Cyber Security
 - Published in September 2010
- Momentum must be sustained
 - Many billions of dollars of investment depend on this work
 - Standards, properly implemented, are essential to achieve the benefits
- Expected Results
 - Provide a single mechanism with comprehensive and complete Smart Grid Stakeholder representation that facilitates consensus-based approval of national Smart Grid standards.



SGIP Bylaws and Charter

- Mandate
 - Charge, Mission, and Scope
 - To provide the technical guidance necessary to facilitate standards development for the Smart Grid
 - To specify the necessary testing and certification requirements to assess the achievement of interoperability using Smart Grid Standards
 - To oversee the performance of these activities to maintain momentum and achievement
 - Expected Results and Actions = Accelerate, accelerate, accelerate
 - Principles
 - Openness – all activities will be open to public attendance
 - Balance – representations across multiple industry segments
 - Consensus – general agreement of the members (not unanimity)
 - Harmonization – work will proceed between multiple SDOs
 - Collaborate with and Support the Governing Board (SGIPGB)



SGIP Bylaws and Charter

- Bylaws
 - Membership
 - Open to any organization whose interests fall into one of the Stakeholder Categories
 - Divisions, subsidiaries, committees of organizations, etc. are part of their parent organizations, and are not considered organizations for SGIP purposes
 - One company, one vote, voluntary withdrawal in writing
 - Roles & Responsibilities
 - Participating Members – Proposals, Direction, and Voting
 - Observing Members – Attendance and Input, no voting privileges
 - Administrator – (Enernex) Manage internal operation of the SGIP
 - Officers
 - Chair (Steve Widergren, PNNL)
 - *Selected* by a majority vote of the *Governing Board*
 - Facilitate meetings, assign and track action items, risks, and issues
 - Vice Chair (Mark Klerer, Qualcomm)
 - *Elected* by a majority vote of the *SGIP*
 - Fulfill duties in the absence of the Chair
 - Secretary (Paul Molitor, NEMA)
 - *Elected* by a majority vote of the *SGIP*
 - Administrative support to SGIP, meeting notices, agenda, note taker



SGIP Bylaws and Charter

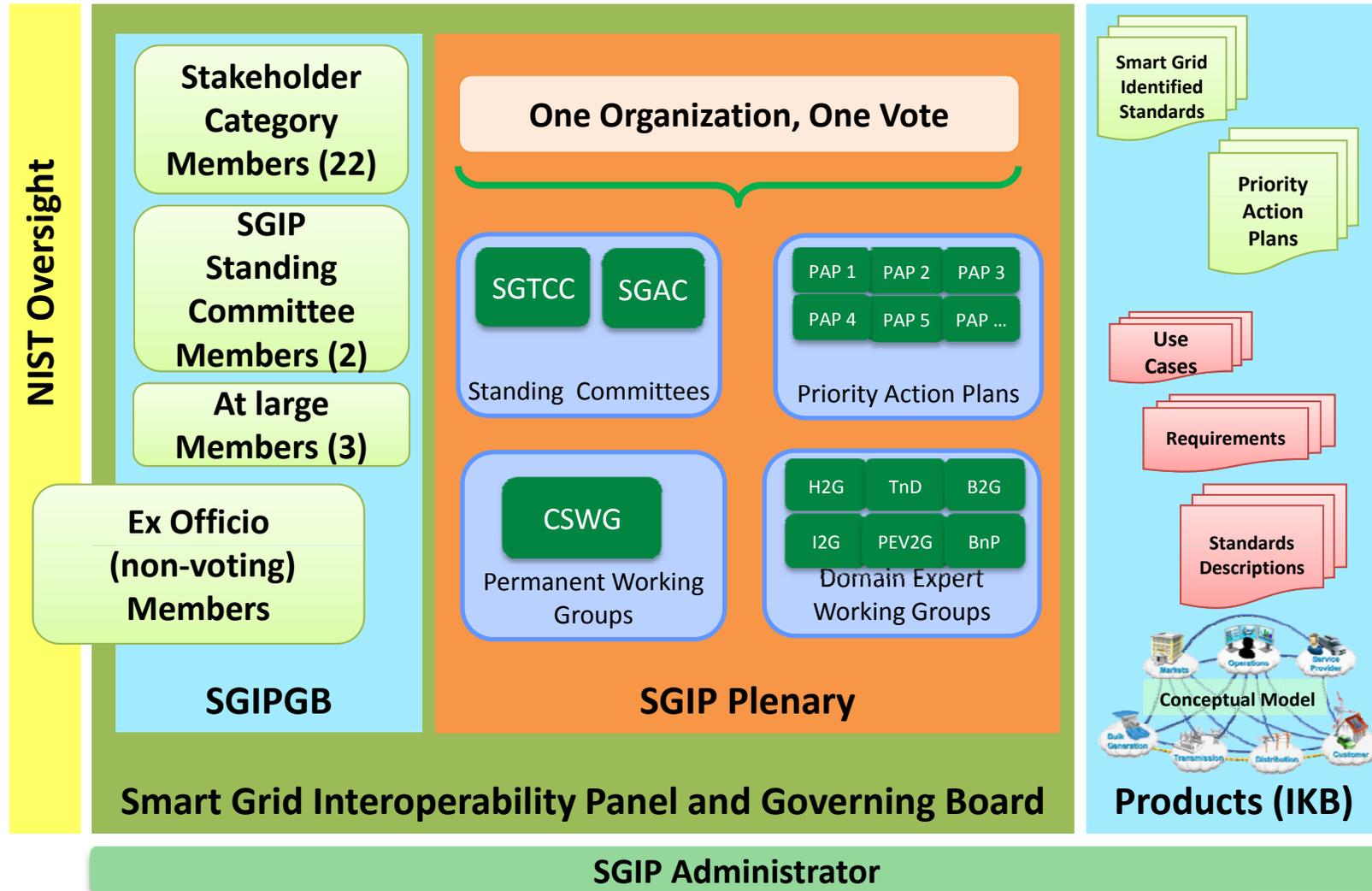
- Standing Committees
 - Smart Grid Architecture Committee (SGAC)
 - Management of the Smart Grid Conceptual Model and Use Cases
 - Resource for the SGIP, GB, NIST, and other working groups
 - Smart Grid Testing and Certification Committee (SGTCC)
 - Create and maintain the necessary documentation and organizational framework for compliance, interoperability and cyber security testing and certification for SGIP-recommended Smart Grid standards
 - Resource for the SGIP, GB, NIST, and other working groups
- Working Groups
 - SGIP may create working groups and other subgroups as deemed necessary to address a specific problem or work product
 - Cybersecurity Coordinating Working Group (CSCWG)
 - Communications, Marketing and Education (CMEWG)
 - Business and Operating Procedures (BOPWG)
 - Semantic Team, Home Area Networking Team, Electromagnetic Compatibility Team, Terminology Working Group
 - NIST Domain Expert Working Groups (DEWG)
 - Transmission & Distribution, Building to Grid, Home to Grid, Industry to Grid, Business & Policy, Plug-in Electric Vehicles

REALLY Important Points

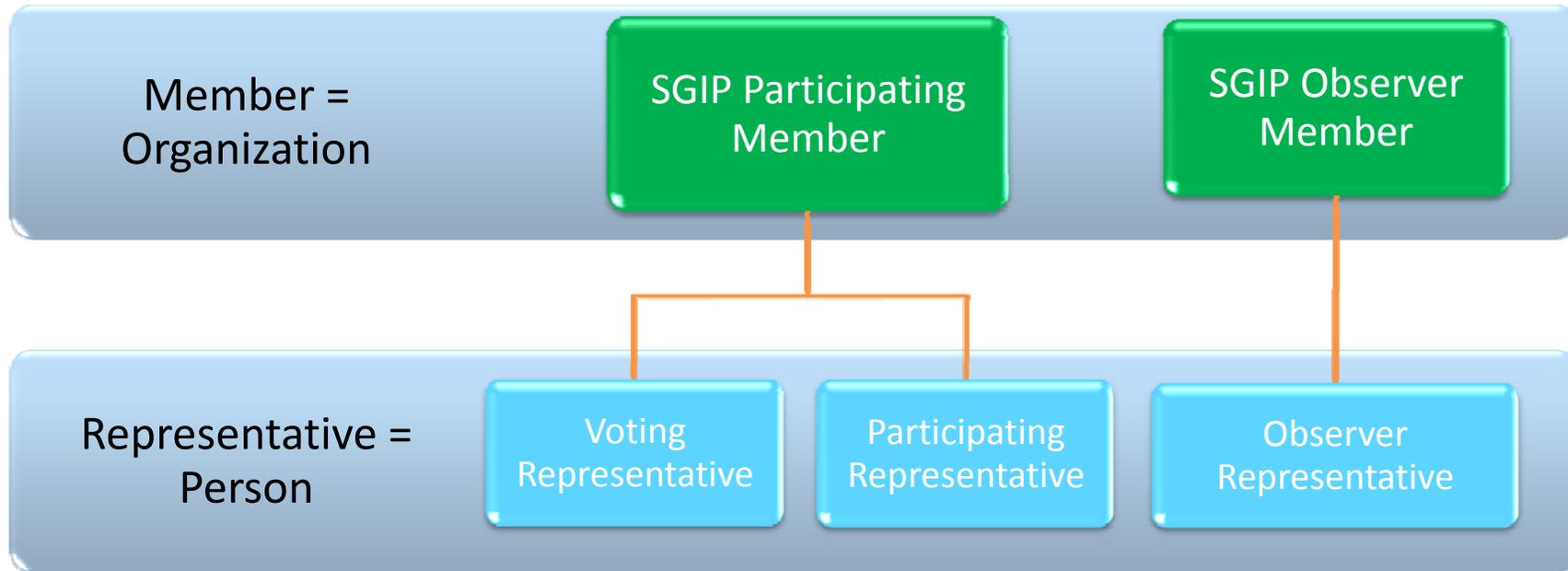
- Meetings and Decision Making
 - Attendance and Participation is an obligation of membership
 - Membership can be revoked if your organization misses two consecutive meetings or does not vote in two consecutive ballots
 - Privileges may be restored with the completion of a new participation agreement
 - Roberts Rules of Order Newly Revised (10th Edition)
- Principles
 - Openness
 - Balance
 - Consensus
 - Harmonization



SGIP STRUCTURE



SGIP TERMINOLOGY AND MEMBERSHIP HIERARCHY



- 1 Participating Organization = 1 Participating Member = 1 Vote = 1 Stakeholder Category
- 1 Observer Organization = 1 Observer Member = 0 Vote
- Member may have 1 or more Representatives
- Representative may be:
 - Voting – person who works on SGIP efforts and is designated to vote
 - Participating – person who works SGIP efforts but does not vote
 - Observer – person who reviews SGIP artifacts



SGIP MEMBERSHIP

AS OF 9.7.10

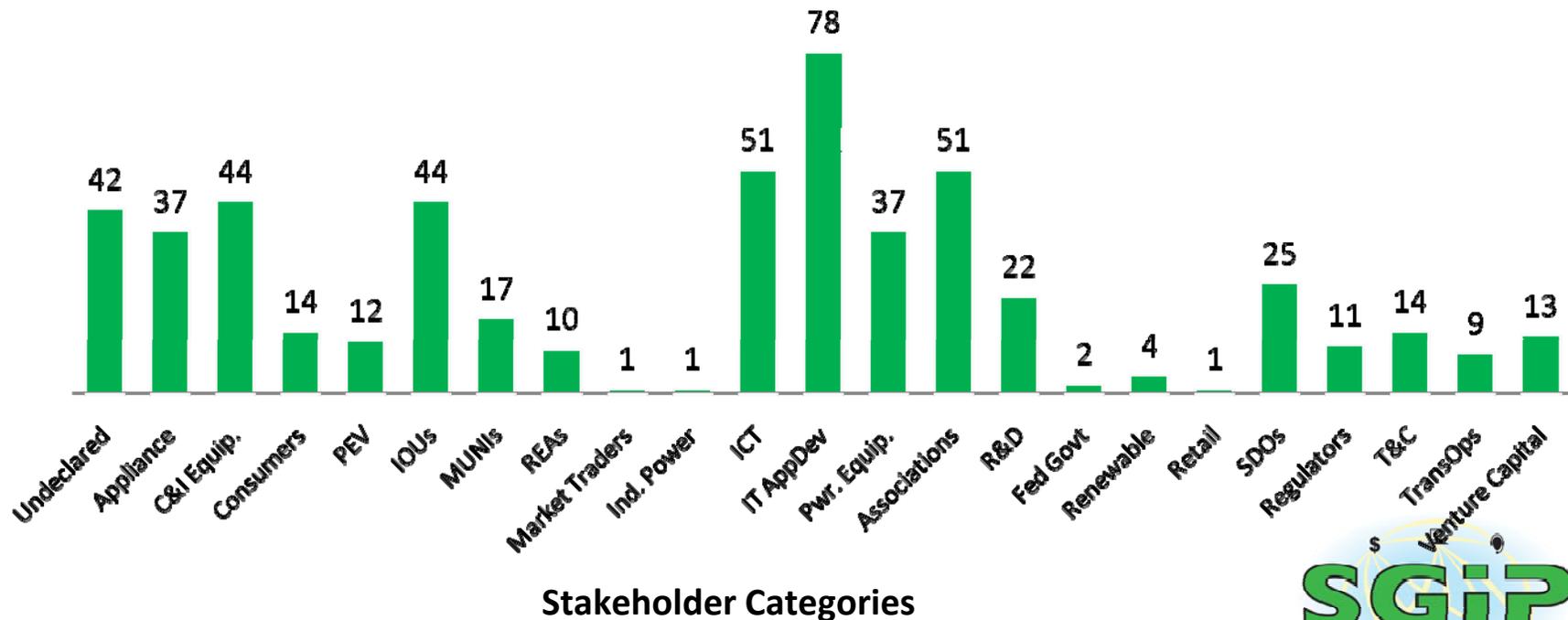
- **Total # of Member Organizations: 621**
 - # of Participating Member Organizations: 540
 - # of Observing Member Organizations: 81
 - # of Organizations who joined in August: 9

of Organizations by Country

- **USA: 560**
- **Canada: 28**
- **International: 33**

- **Total # of Individual Members*: 1,710** * Omits Signatory Authorities who aren't also cited as a representative

of Participating Member Organizations by Declared Stakeholder Category

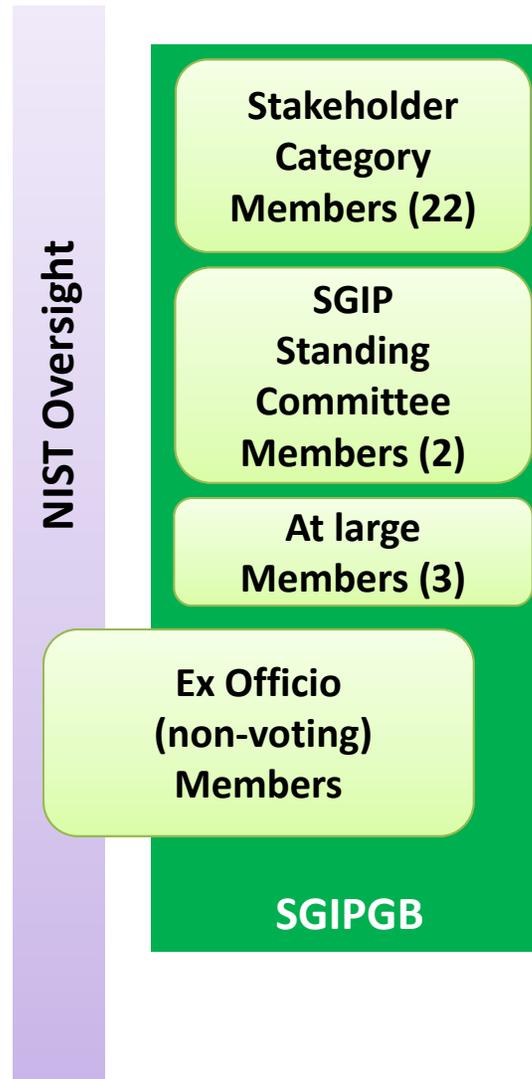


VOTING IN THE SGIP

- Voting rights maintained by:
 - Attendance in SGIP Plenary meetings
 - Voting
- Voting is done on the Twiki
 - Look for current votes in emails and on SGIP page
 - Voting ballots page



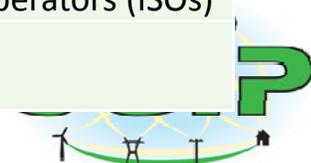
SGIP GOVERNING BOARD STRUCTURE



SGIP STAKEHOLDER CATEGORIES (FOR GB ELECTIONS)

1	Appliance and consumer electronics providers
2	Commercial and industrial equipment manufacturers and automation vendors
3	Consumers – residential, commercial and industrial
4	Electric transportation industry stakeholders
5	Electric utility companies – Investor Owned Utilities (IOU) and publicly owned utilities
6	Electric utility companies - municipal (MUNI)
7	Electric utility companies - Rural Electric Association (REA)
8	Electricity and financial market traders (includes aggregators)
9	Independent power producers
10	Information and communication technologies (ICT) infrastructure and service providers
11	Information technology (IT) application developers and integrators

12	Power equipment manufacturers and vendors
13	Professional societies, users groups, trade associations and industry consortia
14	R&D organizations and academia
15	Relevant federal government agencies
16	Renewable power producers
17	Retail service providers
18	Standard and specification Development Organizations (SDOs)
19	State and local regulators
20	Testing and certification vendors
21	Transmission operators and Independent System Operators (ISOs)
22	Venture capital



GOVERNING BOARD MEMBERS

Category	Member	Affiliation
Category 1	Brian Markwalter	Consumer Electronics Association
Category 2	Tariq Samad	Honeywell
Category 3	Todd Rytting	Panasonic Electric Works Laboratory of America
Category 4	Rich Scholer	Ford Motor Company
Category 5	George Bjelovuk	American Electric Power
Category 6	Stephen Muchlinski	Tacoma Public Utilities
Category 7	Bob Saint	National Rural Electric Cooperative Association (NRECA)
Category 8	Chuck Shih	Edge Holdings LLC
Category 9	Kenneth Van Meter	Lockheed Martin's Energy Solutions
Category 10	Matthew Theall	Intel Corporation
Category 11	Vint Cerf	Google, Inc.
Category 12	Le Tang	ABB Inc.
Category 13	Wayne Longcore	Consumers Energy
Category 14	Mladen Kezunovic	Texas A&M University
Category 15	Perry Pederson	U.S. Nuclear Regulatory Commission (NRC)
Category 16	John Nunneley	SunSpec Alliance
Category 17	Brent Hodges	Reliant Energy
Category 18	John Caskey	National Electrical Manufacturers Assoc. (NEMA)
Category 19	Paul Centolella	Public Utility Commission of Ohio
Category 20	Rik Drummond	Drummond Group Inc.
Category 21	Jamshid Afnan	ISO New England, Inc.
Category 22	Scott Ungerer	EnerTech Capital
Category 23	John McDonald	GE Energy
Category 23	Paul De Martini	Southern California Edison
Category 23	Mark McGranaghan	Electric Power Research Institute
SGAC Committee Chair	Ron Ambrosio	IBM
SGTCC Committee Chair	(Rik Drummond)	Drummond Group Inc.

10/13/2010



SGIP: GOVERNING BOARD VISION

- Maintains a broad perspective of the NIST Interoperability Framework and supports NIST
- Provides guidance and tools that make it an impartial and practical resource for SG stakeholders
- Members representing a broad community based on breadth of experience and involvement
 - Each stakeholder community represented on Governing Board
 - Additional at-large and ex-officio members
 - Supports SGIP goals and objectives as a whole, rather than any individual organization or stakeholder group
- Consensus is a core value
 - All legitimate views and proposals are considered



GOVERNING BOARD COMMITTEES

- Communications, Marketing, and Education (CME)
 - Inform SGIP and other stakeholders about activities of SGIP and SGIPGB
 - Market efforts and outcomes of SGIP and SGIPGB
 - Educate what the interoperability means and what are the benefits
- Bylaws and Operating Practices (BOPWG)
 - The SGIPGB Bylaws and Operating Practices Working Group is charged to review and recommend revisions and additions to the SGIPGB and SGIP Charter and to the SGIP Operations Manual.
- Candidate Evaluation Committee
 - To evaluate responses to the Call for Candidates, the Administrator will propose a Candidate Evaluation Committee
- HAN Task Force
 - Example of an ad hoc group assembled to address a specific question:
 - Smart Grid energy aware appliances were announced to be available circa 2011.
 - Seems to be consensus that there can't be an infinite variety of interfaces, and also, not a single one.
 - There is a concern about state to state variation of requirements.



ADMINISTRATOR

- Currently: EnerNex Corporation
- Assists NIST in operating SGIP
- Provides Technical and Logistical Support
 - Manage internal operation of SGIP
 - Arrange human and financial resources in support of SGIP
 - Originally a NIST contractor
 - Ex-officio, non-voting member of the Governing Board



SGIP PLENARY ORGANIZATION



STANDING COMMITTEES

- Identified in the Bylaws
- Smart Grid Architecture Committee (SGAC)
 - 30 members, confirmed by SGIP
 - Selected from recommendations from nominations teams
 - Selection criteria, members, and chair
 - Chairs confirmed by SGIPGB
 - SGAC Chair: Ron Ambrosio, IBM
- Smart Grid Testing & Certification Committees (SGTCC)
 - 30 members, confirmed by SGIP
 - Selected from recommendations from nominations teams
 - Selection criteria, members, and chair
 - Chairs confirmed by SGIPGB
 - SGTCC Chair: Rik Drummond, Drummond Group



STANDING COMMITTEES (CONT.)

- SGIP member engagement with committees
 - Workload expected to ramp up quickly
 - Expect subgroups needing additional member participation
 - Expect additional members with diversity of backgrounds to effectively address activities as the committees mature
- Process to expand and maintain committees forthcoming
 - Mechanisms to gather the best candidates
 - Greater transparency through documented process
 - Adequate time periods for, vetting, selection, and confirmation
 - Committee size and structure to consider tension between size and team effectiveness



CYBER SECURITY: PERMANENT WORKING GROUP

<http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/CyberSecurityCTG>

CyberSecurity Working Group

IP Statement

- Don't share anything on the call that you do not want to be public.
- Don't pass any proprietary documents or put any on the TWiki with implied public disclosure.
- If you do, it shall be deemed to have been disclosed on a non-confidential basis, without any restrictions on use by anyone, except that no valid copyright or patent right shall be deemed to have been waived by such disclosure.

Scope:

Address the cyber security aspects of the Smart Grid Interoperability Framework.

Goals:

The primary objective is to assess standards for applicability and interoperability across the domains of the Smart Grid, rather than develop a single set of cyber security requirements that are applicable to all elements of the Smart Grid. These standards will be assessed within an overall risk management framework that focuses on cyber security within the Smart Grid. To achieve this goal, problems that don't currently have solutions will need to be identified. This may require a "bottom-up" approach of analysis.

Mission:

The important objective is to assess the standards for applicability and interoperability across the domains of the Smart Grid, rather than develop a single set of cyber security requirements that is applicable to all elements of the Smart Grid. That is, the cyber security requirements of different domains, such as home to grid and transmission and distribution may not be the same. For example there are significant cyber security requirements to ensure the confidentiality of Personally Identifiable Information (PII) in the home to grid domain that may not be required at the transmission and distribution domain.

To achieve secure interoperability, products and systems will require conformity testing. Conformity testing verifies that products adhere to the specifications defined in the standards. Once a standard has been published, conformity testing can accelerate product development by giving vendors well-defined criteria to meet. Such testing should ensure that the cyber security standards are effective and do not adversely impact interoperability.



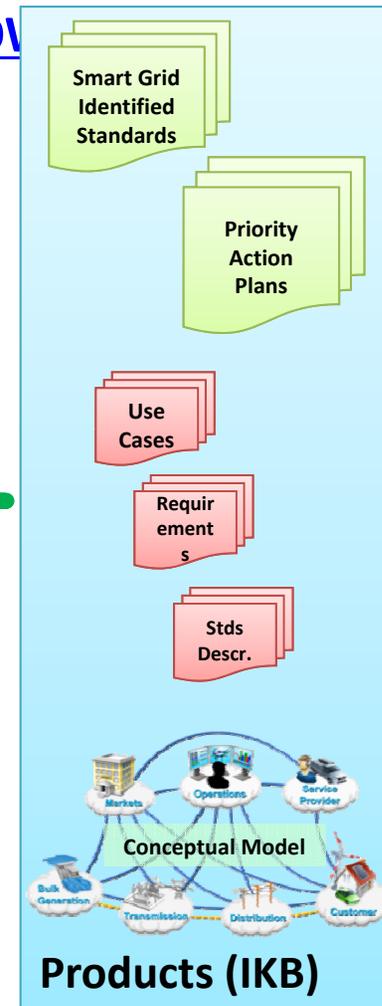
Domain Expert Working Groups (DEWGS)

- ([HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/SGIPWORKINGGROUPSANDCOMMITTEES#SGIP_WORKING_GROUPS](http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPWorkingGroupsAndCommittees#SGIP_working_groups))
 - transmission and distribution (TnD)
 - home-to-grid (h2g)
 - building-to-grid (b2g)
 - industry-to-grid (i2g)
 - vehicle-to-grid (pevtg)
 - business and policy(BnP)



DELIVERABLES AND ARTIFACTS

([HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/INTEROPERABILITYKNOW](http://collaborate.nist.gov/wiki/SGGRID/BIN/View/SmartGrid/InteroperabilityKnow))



SMART GRID IDENTIFIED STANDARDS

([HTTP://COLLABORATE.NIST.GOV/TWIKI-](http://collaborate.nist.gov/wiki-)

[SGGRID/BIN/VIEW/SMARTGRID/SGIPRECOGNIZEDSTANDARDS](http://collaborate.nist.gov/wiki-))

- Is well-established and widely acknowledged as important to the Smart Grid.
- Is an open, stable and mature industry-level standards developed in consensus processes from a standards development organization (SDO).
- Enables the transition of the legacy power grid to the Smart Grid.
- Has, or is expected to have, significant implementations, adoption, and use.
- Is supported by an SDO or Users Group to ensure that it is regularly revised and improved to meet changing requirements and that there is strategy for continued relevance.
- Is developed and adopted internationally, wherever practical.
- Is integrated and harmonized, or there is a plan to integrate and harmonize it with complementing standards across the utility enterprise through the use of an industry architecture that documents key points of interoperability and interfaces.
- Enables one or more of the framework characteristics as defined by EISA* or enables one or more of the six chief characteristics of the envisioned Smart Grid†
- Addresses, or is likely to address, anticipated Smart Grid requirements identified through the NIST workshops and other stakeholder engagement.
- Is applicable to one of the priority areas identified by FERC‡ and NIST
- Focuses on the semantic understanding layer of GWAC stack, which has been identified as most critical to Smart Grid interoperability.
- Is openly available under fair, reasonable, and nondiscriminatory terms.
- Has associated conformance tests or a strategy for achieving them.
- Accommodates legacy implementations.
- Allows for additional functionality and innovation through: Symmetry Transparency Composition Extensibility
Loose coupling Layered systems
- Shallow integration



PRIORITY ACTION PLANS

([HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/PRIORITYACTIONPLANS](http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PriorityActionPlans))

- PAPs arise from the analysis of the applicability of Standards to the Use Cases of the Smart Grid. PAPs include identified experts in relative SSOs, known as the PAP Working Group Management Team.

The Current Priority Action Plans

The [priority action plans](#) page provides a guide to the function and operation of these plans.

#	Priority Action Plan	#	Priority Action Plan
0	Meter Upgradeability Standard	1	Role of IP in the Smart Grid
2	Wireless Communications for the Smart Grid	3	Common Price Communication Model
4	Common Scheduling Mechanism	5	Standard Meter Data Profiles
6	Common Semantic Model for Meter Data Tables	7	Electric Storage Interconnection Guidelines
8	CIM for Distribution Grid Management	9	Standard DR and DER Signals
10	Standard Energy Usage Information	11	Interoperability Standards to Support Plug-in Electric Vehicles
12	Mapping IEEE 1815 (DNP3) to IEC 61850 Objects	13	Harmonization of IEEE C37.118 with IEC 61850 and Precision Time Synchronization
14	Transmission and Distribution Power Systems Model Mapping	15	Harmonize Power Line Carrier Standards for Appliance Communications in the Home
16	Wind Plant Communications	17	Facility Smart Grid Information Standard



USE CASES

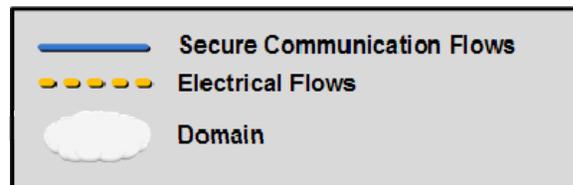
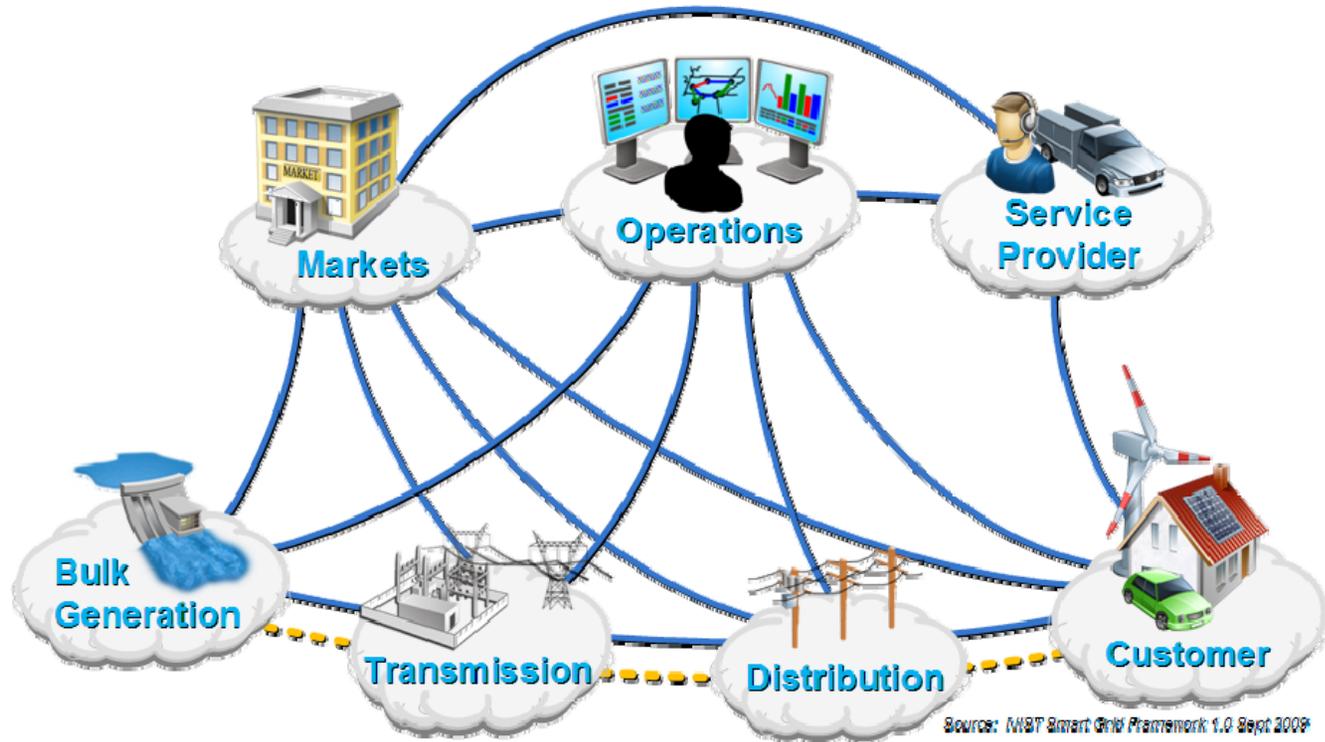
[\(HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/IKBUSECASES\)](http://collaborate.nist.gov/wiki/SGGRID/BIN/VIEW/SMARTGRID/IKBUSECASES)

- Under construction
- Organized by Domain of Conceptual Model
- Includes Use Cases from
 - Smart Grid Experience
 - SGIP Working Groups
 - Priority Action Plans



CONCEPTUAL MODEL

([HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/SGCONCEPTUALMODEL](http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGConceptualModel))



CONTACTS (TWIKI [HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/SGIPCONTACT](http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPContact))

TWiki > [SmartGrid Web](#) > [SGIP](#) > [SGIPContact \(2010-02-03, JenyDowlin\)](#)

SGIP Contacts

For questions or assistance regarding SGIP membership	email sgip_administrator
For questions or assistance regarding this site	email sgwikisupport
For calendar submissions	submit to sgip_submission
For media inquiries	contact Carrie Parks of EnerNex
To contact the SGIP Administrator	email sgip_administrator
To contact the SGIP Governing Board	email sgipgb_administrator

Not sure who can help? When in doubt, please contact the [SGIP Administrator](#).

Joining the PAP Email Lists

Email lists have been establish for each PAP. These lists support self registration using the links below:

PAP Email List	PAP Email List	PAP Email List	PAP Email List
Join SGIP-PAP00	Join SGIP-PAP01	Join SGIP-PAP02	Join SGIP-PAP03
Join SGIP-PAP04	Join SGIP-PAP05	Join SGIP-PAP06	Join SGIP-PAP07
Join SGIP-PAP08	Join SGIP-PAP09	Join SGIP-PAP10	Join SGIP-PAP11
Join SGIP-PAP12	Join SGIP-PAP13	Join SGIP-PAP14	Join SGIP-PAP15
Join SGIP-PAP16			



SGIP 101 – HOW TO PARTICIPATE

10/13/2010



SGIP 101 – HOW TO PARTICIPATE

- The SGIP provides the opportunity for stakeholders up and down the spectrum of Smart Grid applications and standards to share in the great exercise of forwarding the Smart Grid – a national priority. This session will describe the central communications mechanisms including the TWiki, email lists, web conferences and calls. As an aggressively open process, the SGIP provides the means to participate, track, and when necessary catch up on the efforts of the organization.



WAYS TO PARTICIPATE

● Kinds of Participation

- DEWGS
- Standing Committees and Permanent Working Groups
- PAPS
- SGIP Members
 - Participating
 - Voting representative
 - Other
 - Observer
- Governing Board
- Contributor
- Commenter 😊
- Critic ☹️



WAYS TO PARTICIPATE

- Venues
 - Face to Face Meetings
 - Webinars & Phone conferences
 - Email Lists
 - Standards Setting Organizations (SSOs)
 - TWiki

Month	Date	Time	Detail
Jan	21	1:00 – 3:00 p.m.	Virtual Meeting/Conf. Call
Feb			
Mar	29-31	All Day	F2F-East: Montreal, Atlanta, Charlotte, or Washington
Apr			
May	26	1:00 – 3:00 p.m.	Virtual Meeting/Conf. Call hosted @ Connectivity Week (May 23-26)
Jun			
Jul	12-14	All Day	F2F-West: Seattle, Phoenix, Portland, or San Diego
Aug			
Sep	15	1:00 – 3:00 p.m.	Virtual Meeting/Conf. Call hosted @ Gridweek (Sept. 12-15)
Oct			
Nov	8-10(?)	All Day	F2F-Central: @ Grid-Interop(?), Dallas, Nashville, NOLA, or Austin
Dec			



UPCOMING SGIP MEETINGS

● SGIP Strategy For Meetings

- Co-locate Many Meetings With Smart Grid Events
- Minimize Travel, Maximize Productivity of Travel
- Accomplish More with Virtual Meetings
- Sensitive to Geographical Balance

● Types of Meetings

- F2F General SGIP, For All Membership
- Virtual Meetings, For All Membership
- Governing Board Meetings
- Working Regular Meetings, Typically Weekly
- Specific Focused Meetings (PAPs, WG, DEWG, etc.)



VIRTUAL MEETINGS REGISTRATIONS



PAP00, PAP05 and PAP06 Working Group Webinar

Friday, March 19, 2010 3:00 PM - 4:00 PM EDT

Webinar Registration

Bi-weekly Webinar of PAP00, PAP05 and PAP06 Management Teams to discuss issues.

This Webinar is held every 2 weeks on Friday, from: [Show time in my time zone](#)
Mar 19, 2010 to Jun 25, 2010 3:00 PM - 4:00 PM EDT



* First Name:	<input type="text"/>	* Last Name:	<input type="text"/>
* Email Address: ?	<input type="text"/>	Organization:	<input type="text"/>

* Indicates a required field

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PAP EMAIL LISTS

Send an email to PAP Email List	Join a PAP Email List	Review Archive of Email List
SGIP-PAP00WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP00	SGIP-PAP00WG
SGIP-PAP01WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP01	SGIP-PAP01WG
SGIP-PAP02WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP02	SGIP-PAP02WG
SGIP-PAP03WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP03	SGIP-PAP03WG
SGIP-PAP04WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP04	SGIP-PAP04WG
SGIP-PAP05WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP05	SGIP-PAP05WG
SGIP-PAP06WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP06	SGIP-PAP06WG
SGIP-PAP07WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP07	SGIP-PAP07WG
SGIP-PAP08WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP08	SGIP-PAP08WG
SGIP-PAP09WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP09	SGIP-PAP09WG
SGIP-PAP10WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP10	SGIP-PAP10WG
SGIP-PAP11WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP11	SGIP-PAP11WG
SGIP-PAP12WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP12	SGIP-PAP12WG
SGIP-PAP13WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP13	SGIP-PAP13WG
SGIP-PAP14WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP14	SGIP-PAP14WG
SGIP-PAP15WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP15	SGIP-PAP15WG
SGIP-PAP16WG@SMARTGRIDLISTSERV.ORG	Join SGIP-PAP16	SGIP-PAP16WG



TWIKI ([HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/WEBHOME](http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/WebHome))

The screenshot shows a web browser window displaying the NIST Smart Grid Collaboration Site. The page title is "WebHome" and the URL is "http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/WebHome". The browser's address bar shows the URL, and the search bar contains "Google". The page features a navigation menu with links for Home, About SGIP, Membership, WorkingGroups, PAPs, IKB, Events, and Contact. A sidebar on the left contains "Smart Grid TWiki Links" and "General Links". The main content area includes a "NOTE" about contributing content, a "Welcome to the NIST Smart Grid Collaboration Site" section with "Contents of this topic" and "Useful Hot Links", and a paragraph explaining the site's purpose under the Energy Independence and Security Act (EISA) of 2007. The page also includes a "Priority Action Plans (PAPs)" section.

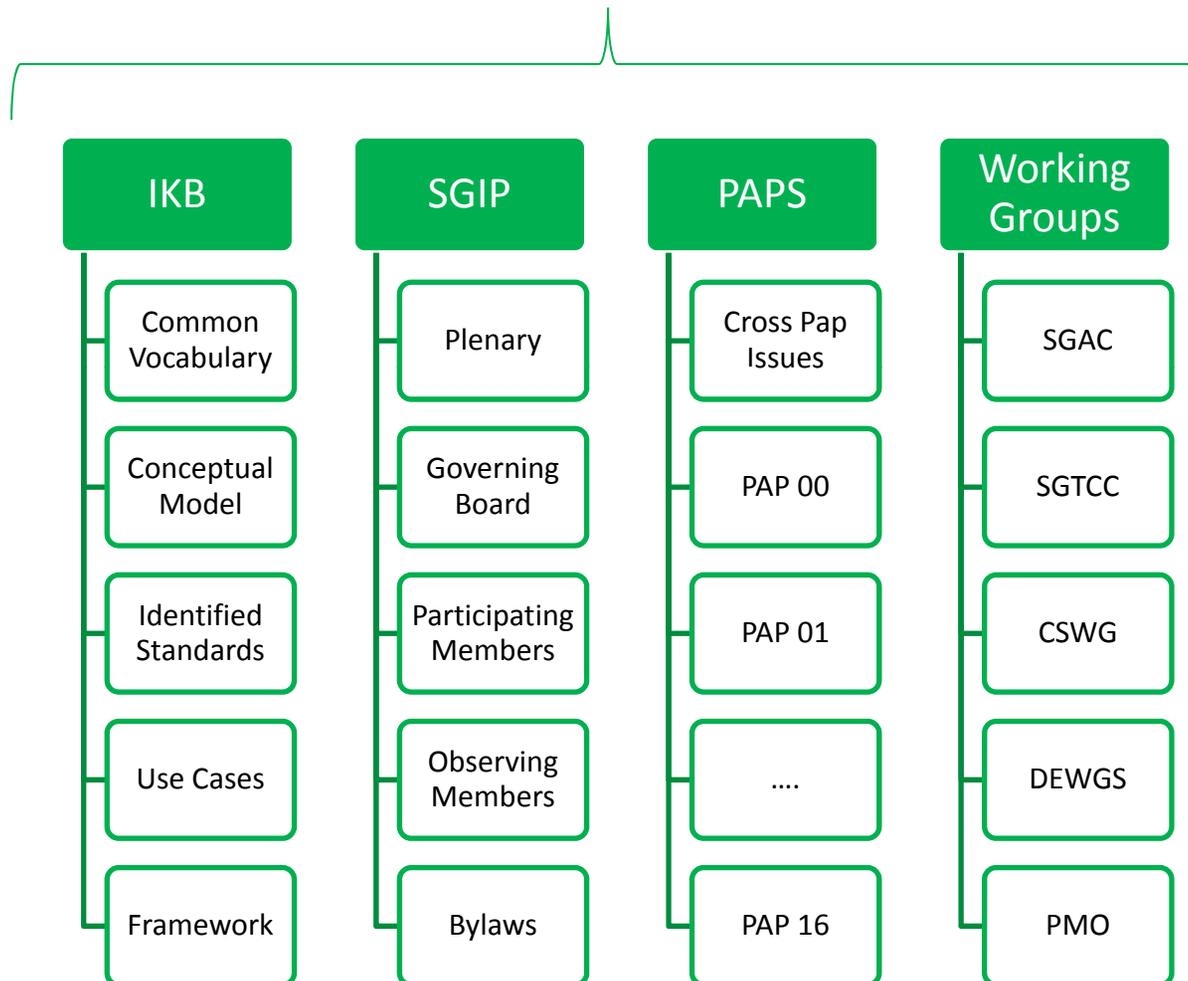


TWIKI OVERVIEW

- Twiki is a “brand” of Wiki – wiki:
 - A wiki (pronounced /'w?ki/ WIK-ee) is a website that allows the easy creation and editing of any number of interlinked web pages via a web browser using a simplified markup language or a WYSIWYG text editor.
- SGIP / NIST TWiki has major sections for:
 - SGIP process and operation:
 - <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIP>
 - Priority Action Plans
 - <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PriorityActionPlans>
 - Working Groups and Committees
 - <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPWorkingGroupsAndCommittees>
 - Interoperability Knowledge Base
 - <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/InteroperabilityKnowledgeBase>



ORGANIZATIONAL STRUCTURE OF THE TWIKI



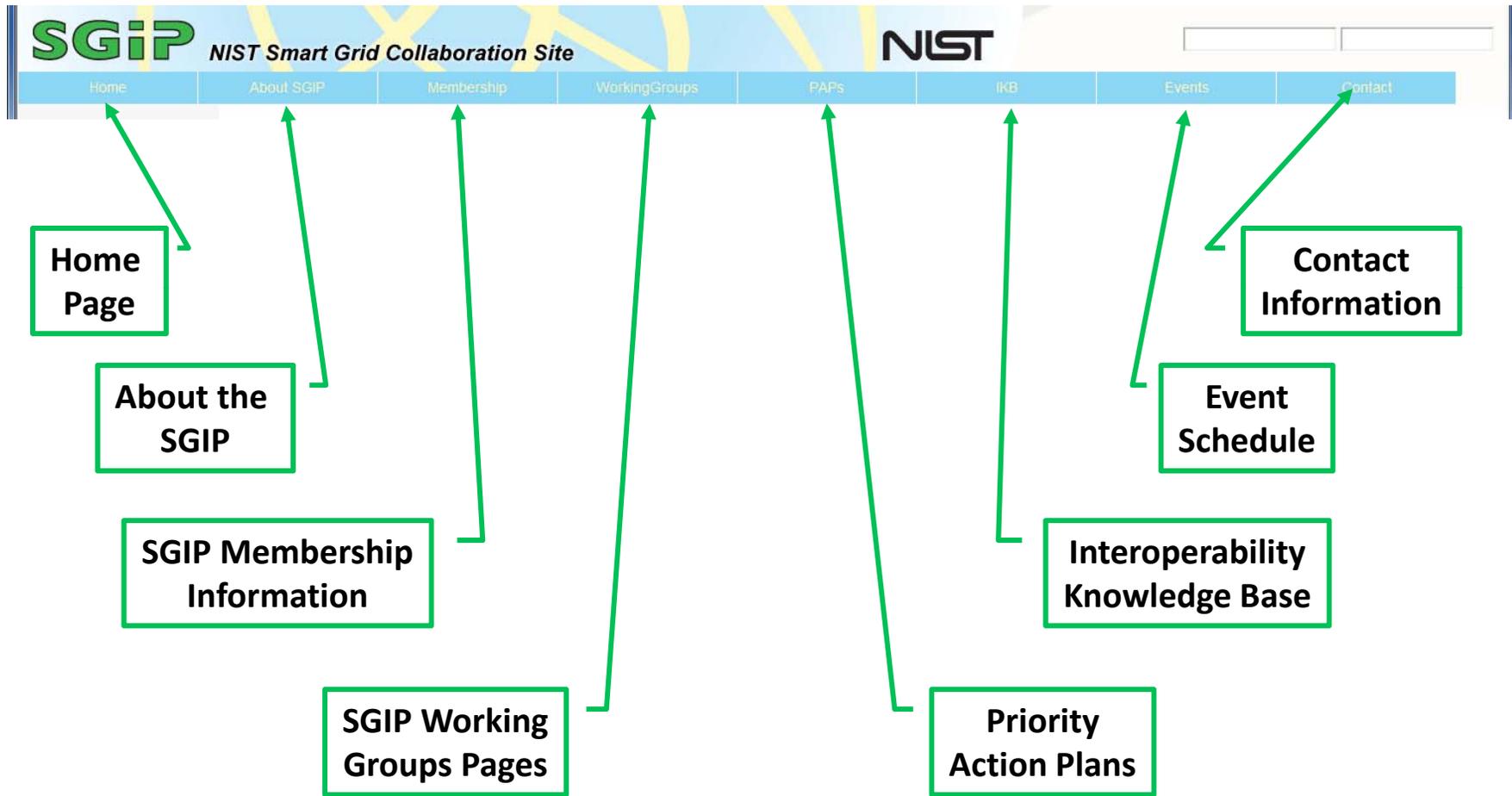
GETTING AROUND THE TWIKI

The screenshot shows the NIST Smart Grid Collaboration Site TWiki page. The page layout includes a top navigation menu, a left sidebar with various links, a main content area with a welcome message and a list of links, and a bottom section for comments and attachments. Green callout boxes with arrows point to specific features on the page:

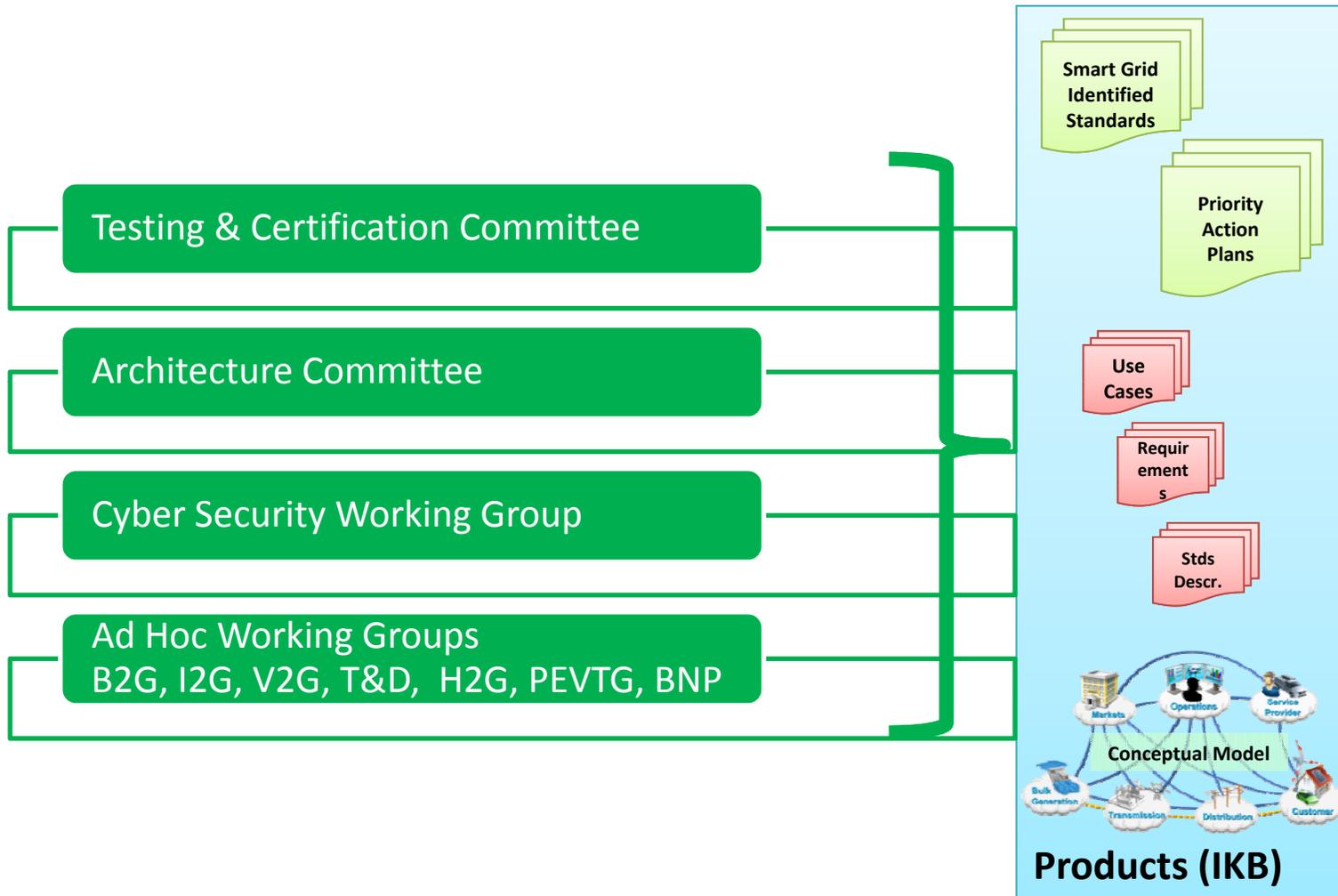
- Alerts**: Points to the 'Alerts' link in the top navigation menu.
- Major Topics Have this**: Points to the 'Smart Grid TWiki Links' section in the left sidebar.
- Smart Grid Links**: Points to the 'Smart Grid TWiki Links' section in the left sidebar.
- Tutorial and Help**: Points to the 'TWiki Tutorial' link in the left sidebar.
- General Links**: Points to the 'General Links' section in the left sidebar.
- Other "Webs"**: Points to the 'Webs' section in the left sidebar.
- This Topics Outline**: Points to the 'Contents of this topic' link in the main content area.
- Jump**: Points to the 'Jump' link in the top navigation menu.
- Search**: Points to the search box in the top navigation menu.
- Menu bar**: Points to the top navigation menu.
- Add Attachment**: Points to the 'Attach' button in the top right corner.
- Edit Page**: Points to the 'Edit' button in the top right corner.
- Links To Related Topics**: Points to the 'What's Happening' section in the main content area.
- Add Comments**: Points to the 'Add comment' button in the comments section.
- Comments Listed**: Points to the list of comments in the comments section.
- Other actions**: Points to the 'Edit', 'Attach', 'Print version', 'History', 'Backlinks', 'Raw View', 'Raw edit', and 'More topic actions' links at the bottom of the page.



TOP MENU BAR



SGIP POPULATION OF IKB



EVENTS ([HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/SGIPCALENDAR](http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPCalendar))

The screenshot shows a web browser window displaying the SGIP NIST Smart Grid Collaboration Site. The page title is "SGIPCalendar < SmartGrid < TWiki - Windows Internet Explorer". The address bar shows the URL: <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPCalendar>. The page features a navigation menu with links for Home, About SGIP, Membership, WorkingGroups, PAPs, IKB, and Events. The main content area is titled "Upcoming SGIP Meetings & Events" and includes a list of links for various meetings and webinars. A sidebar on the left contains "Smart Grid Twiki Links" and "Volunteer Help Wanted Recognition Nominations".

Upcoming SGIP Meetings & Events

Contents of this topic

- ↓ [SGIP Plenary Meetings and Webinars \(attendance required for Participating Members\)](#)
- ↓ [SGIP Governing Board Meetings \(attendance not required\)](#)
- ↓ [Working Group Phone Conferences and Webinars](#)
- ↓ [PAP Phone Conferences and Webinars](#)
- ↓ [For Smart Grid Industry Meetings & Events, see our general Smart Grid calendar](#)

Useful Hot Links

- Member Announcements & News Archive
- SGIP Governing Board
- SGIP Plenary Meetings, Minutes, And Artifacts

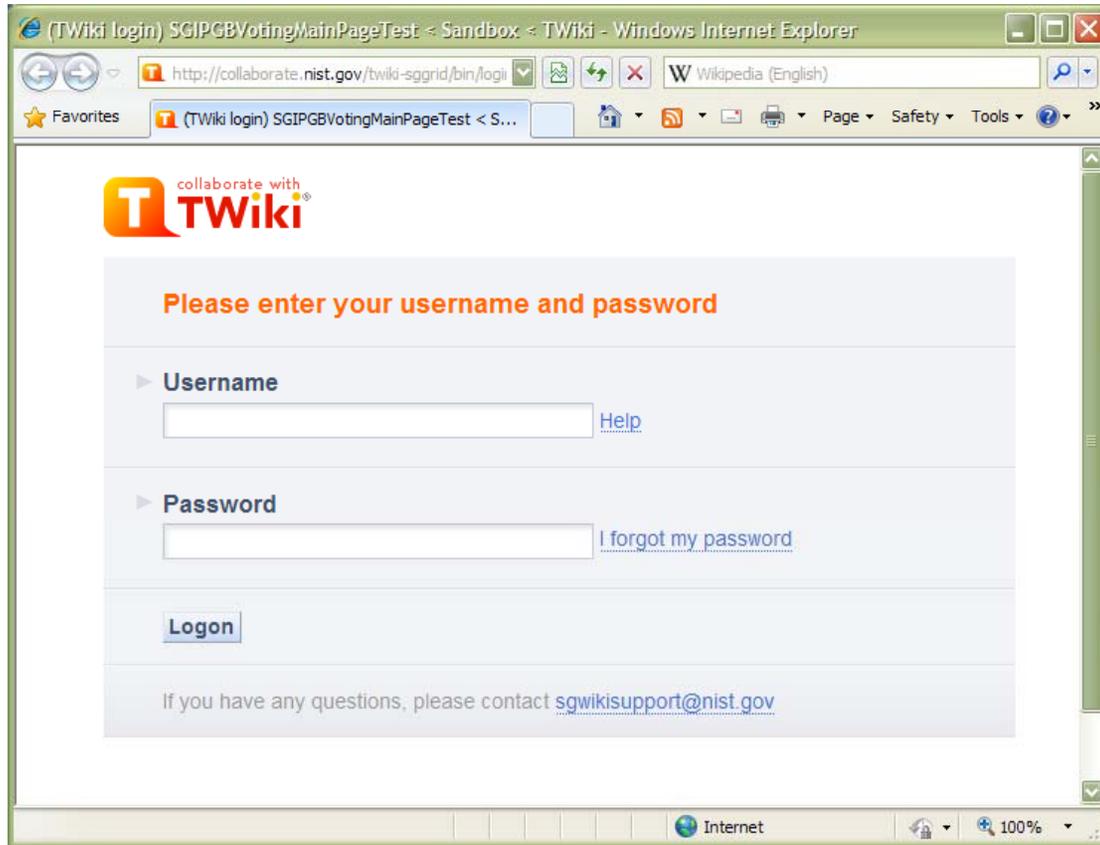
SGIP Plenary Meetings and Webinars (attendance required for Participating Members)

Meeting Name	Type	Date/Times of upcoming meetings	Registration

10/13/2010



VOTING: LOG IN TO TWIKI SITE



CURRENT VOTES AND LINKS ON SGIP MAIN PAGE

TWiki > SmartGrid Web > SGIP (2010-03-03, MartyBurns)

Edit Attach

Smart Grid Interoperability Panel (SGIP) Main Page

Contents of this topic	Useful Hot Links
<ul style="list-style-type: none">↓ SGIP Upcoming Meetings & Events↓ SGIP Plenary Voting<ul style="list-style-type: none">↓ Plenary Officer Slates↓ Amendments to Bylaws↓ SGIP Deliverables<ul style="list-style-type: none">↓ Major Activities of the SGIP↓ Domain Expert Working Groups (Analysis)↓ Priority Action Plans (Coordination)↓ SGIP Special Working Groups↓ Process to Join the SGIP↓ Comments	<ul style="list-style-type: none">🔗 SGIP Governing Board🔗 SGIP Plenary Meetings🔗 Categories of SGIP Membership🔗 SGIP Calendar NEW🔗 Member Announcements & News Archive🔗 Observing Member Organizations🔗 Participating Member Organizations🔗 SGIP and GB Ratified Charter

The Smart Grid Interoperability Panel (SGIP) will support NIST in fulfilling its responsibilities under the 2007 Energy Independence and Security Act. The SGIP will identify, prioritize and address new and emerging requirements for Smart Grid standards. It will further develop the initial [NIST Framework and Roadmap for Smart Grid Interoperability Standards, Release 1.0](#), which was released January 2010.

SGIP Upcoming Meetings & Events

- 🕒 March 11-16: Vote on [Bylaw Change Proposals](#)
- 🕒 March 16: Governing Board Meeting. For details, [click here](#).
- 🕒 March 16-17: 1st [SGIP Face-to-Face](#) in Chantilly, VA. For details and registration, [click here](#).
- 🕒 April 8: Governing Board Meeting. For details and registration, [click here](#)
- 🕒 April 23: [SGIP Virtual Meeting](#). For details and registration, [click here](#).

📅 For the [SGIP Calendar](#) of meeting and event details, [click here](#).

Look Here

SGIP Plenary Voting

This spot provides information and links about upcoming and current votes of the [SGIP Plenary](#).

Remember to Vote

Vote is an obligation of SGIP Participating Members. As stated in the [Bylaws](#), every Participating Member has a (1) short deadline

10/13/2010



VOTING: SELECT YOUR CHOICES

You are here: TWiki > [SGIPAdministrator Web](#) > [SGIPVoteViceChairSecretaryRunoffII \(2](#)

Title of Vote

SGIP Vice Chair Vote Runoff II

Welcome, MartyBurns, you are eligible to vote. Voting is open.

Status of voting and your eligibility

Use the following link to return to : [SGIP Main Page](#)

Use the ballot below to register your vote for SGIP Officers. Note that you may revise your vote; your vote will count. Before registering the vote with the "Cast Ballot" button, check the following:

Describes vote

- you have voted for Vice Chair

After selecting the Cast Ballot button, you will be presented with your ballot and you can accept or decline. It will take ~20 seconds after which you will be taken to a new page acknowledging your vote.

Vote for Vice Chair	<input type="text" value="Select ..."/>
---------------------	---

Voting ballot choices

- If you voted no to either choice or have questions or need assistance regarding this vote, contact <mailto:sgip.administrator@enemex.com?subject=SGIPPlenaryOfficerVote>

Cast Ballot

Cast your ballot



CONTACTS ([HTTP://COLLABORATE.NIST.GOV/TWIKI-SGGRID/BIN/VIEW/SMARTGRID/SGIPCONTACT](http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPContact))

TWiki > [SmartGrid Web](#) > [SGIP](#) > [SGIPContact \(2010-02-03, JenyDowlin\)](#)

SGIP Contacts

For questions or assistance regarding SGIP membership	email sgip_administrator
For questions or assistance regarding this site	email sgwikisupport
For calendar submissions	submit to sgip_submission
For media inquiries	contact Carrie Parks of EnerNex
To contact the SGIP Administrator	email sgip_administrator
To contact the SGIP Governing Board	email sgipgb_administrator

Not sure who can help? When in doubt, please contact the [SGIP Administrator](#).

Joining the PAP Email Lists

Email lists have been established for each PAP. These lists support self registration using the links below:

PAP Email List	PAP Email List	PAP Email List	PAP Email List
Join SGIP-PAP00	Join SGIP-PAP01	Join SGIP-PAP02	Join SGIP-PAP03
Join SGIP-PAP04	Join SGIP-PAP05	Join SGIP-PAP06	Join SGIP-PAP07
Join SGIP-PAP08	Join SGIP-PAP09	Join SGIP-PAP10	Join SGIP-PAP11
Join SGIP-PAP12	Join SGIP-PAP13	Join SGIP-PAP14	Join SGIP-PAP15
Join SGIP-PAP16			



Questions?

Thank You

