

IEEE-SA Standards Board (SASB) New Member Orientation

Jean-Philippe Faure, SASB Chair
6 March 2018
Tokyo, Japan

IEEE-SA Presence IEEE-SA Strengths

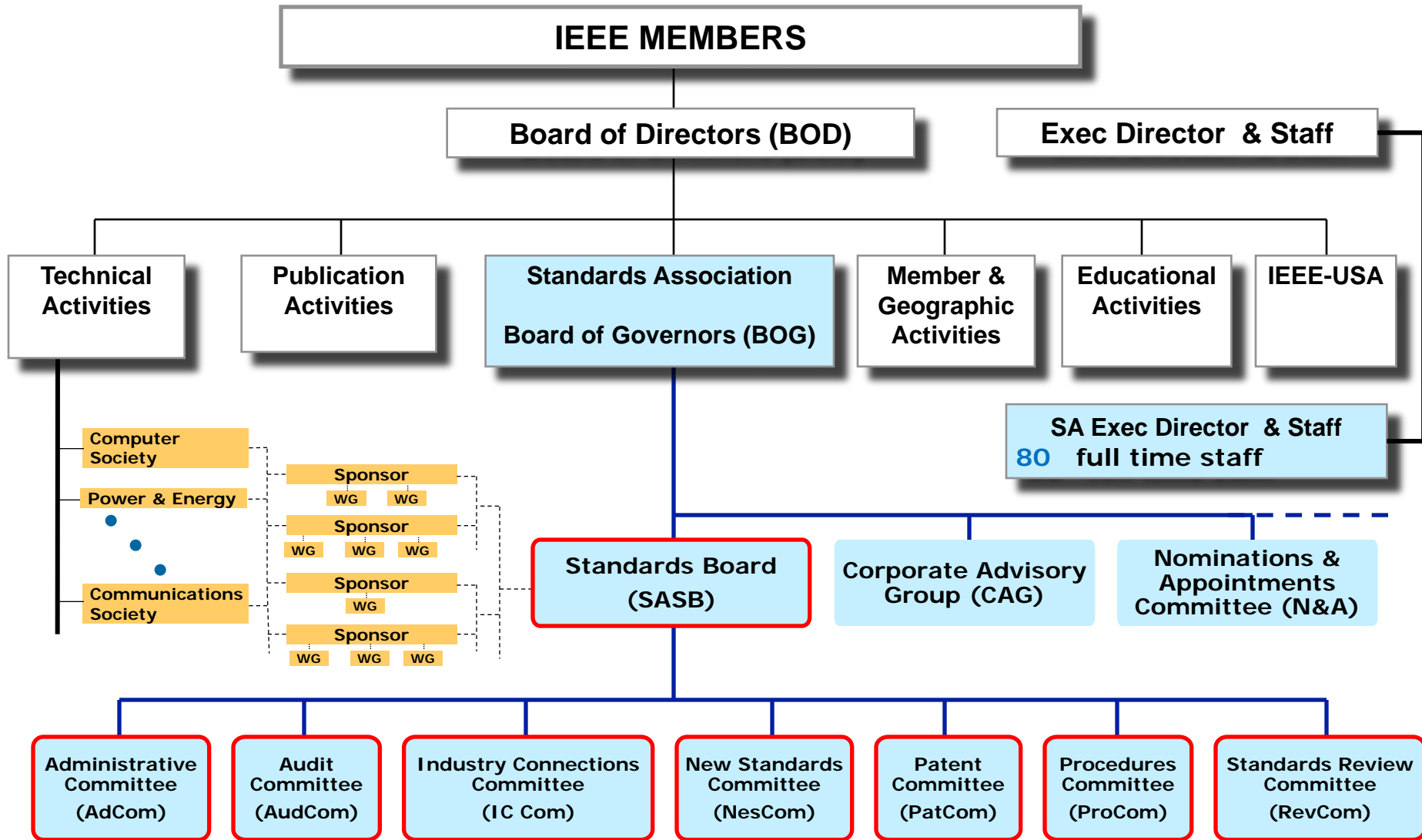
- Globally recognized standards
- 1282 active standards
- 652 standards under development
- 7153 individual members and approximately 20,000 standards developers from every continent
- 215 corporate members



- Leverages the breadth of 40+ technical areas
- 100+ Smart Grid standards
- Flagship transport layer standards in communications (IEEE 802)
- 400-500 standards focused on the power and energy sector, etc.
- Independent global community
- Open standards development process

* as of 01 January 2018

Entities and Relationships



IEEE-SA Standards Board Charter

The IEEE-SA Board of Governors (BOG) shall establish and appoint a Standards Board to:

- encourage and coordinate the development and revision of IEEE standards
- approve the initiation of IEEE standards projects
- review them for consensus, due process, openness, and balance
- give final approval to IEEE standards prior to publication and
- process all necessary appeals.

IEEE-SA Values

Five principles guide
IEEE standards development
and ensure adherence to requirements of the
World Trade Organization

Consensus

Due
process

Openness

Right of
appeal

Balance

To ensure

- Collaboration and community building
- Global and timely market relevance
- Technical integrity and excellence

98 sponsors

Aerospace & Electronic Systems (4)
Antennas & Propagation (3)
Broadcast Technology (2)
Communications (10)
Computer (12)
Consumer Electronics (1)
Computational Intelligence (1)
Council on RFID (1)
Dielectrics & Electrical Insulation (1)
Education (1)
Electromagnetic Compatibility (1)
Engineering in Medicine & Biology (2)
[Geoscience and Remote Sensing \(1\)](#)
Industry Applications (9)
Industrial Electronics (1)
Instrumentation & Measurement (7)
[Intelligent Transportation Systems \(1\)](#)
Microwave Theory & Techniques (1)
Nanotechnology Council (1)
Nuclear & Plasma Sciences (1)
Power Electronics (1)
Power & Energy (17)

Reliability (1)
Robotics & Automation (1)
Sensors Council (1)
Systems, Man, & Cybernetics (1)
[Social Implications of Technology \(1\)](#)
Ultrasonics, Ferroelectrics, & Frequency Control (1)
Vehicular Technology (3)

BOG Corporate Advisory Group (CAG)

SCC04 Electrical Insulation
SCC14 Quantities, Units, & Letter Symbols
SCC18 NFPA Standards
SCC20 Test & Diagnosis for Electronic Systems
SCC21 Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage
SCC22 Power Quality
SCC31 Automatic Meter Reading and Energy Management
SCC39 International Committee on Electromagnetic Safety
SCC42 Transportation

IEEE-SA Organization

- Call for volunteers by Nominations and Appointments Committee (N&A)
 - N&A recommends appointments to SASB to the Board of Governors (BOG)
- BOG appoints:
 - Chair of Standards Board
 - Members of Standards Board
- Chair of Standards Board appoints:
 - Chairs of Subcommittees
 - Members of Subcommittees
 - SASB appeals pool
 - SCC Coordinator
 - Chairs of SCCs

IEEE-SA Standards Board

2018 Roster

Jean-Philippe Faure	Chair
TBD	Vice Chair
John Kulick	Past Chair
Konstantinos Karachalios	Secretary, non-voting

Members

Ted Burse	Ron Petersen
Guido Hiertz	Annette Reilly
Gary Hoffman	Robby Robson
Christel Hunter	Dorothy Stanley
Thomas Koshy	Mehmet Ulema
Hung Ling	Phil Wennblom
Dong Liu	Philip Winston
Xiaohui Liu	Howard Wolfman
Kevin Lu	Jingyi Zhou
Daleep Mohla	
Andrew Myles	
Paul Nikolich [TAB Rep.]	

Member Emeritus

Joseph Koepfinger non-voting

Government Observers

Debdas Goswami	India BIS
Subrat Kumar Prusty	India DOT
Seoyeon Jang	Korea MSIP
Michael Pesin	U.S. DOE
Michael Janezic	U.S. NIST
Thomas Koshy	U.S. NRC

Administrator

Dave Ringle

The IEEE Government Engagement Program on Standards (GEPS)

IEEE seeks to strengthen its interaction with national governments by engaging the participation of government observers from interested ministries.

- Because many countries increasingly view voluntary standards as a good foundation for, or supplement to, regulatory activities.
- This will broaden understanding of IEEE standards and increase the input from governments into standardization discussions, facilitating the application of IEEE standards where they can be useful.
- Since global standards are critical instruments in innovation, trade and public policy areas, **IEEE-SA created GEPS to provide a platform for governments** to help increase their understanding of - and support for - IEEE's standards process, and to **facilitate input** regarding government priorities into IEEE's standardization ecosystem.

GEPS: Goals

IEEE-SA's key goals for the program are to:

- **Increase governments' understanding** for open and global standards, including IEEE standards,
- **Inform governments** about IEEE-SA's key initiatives,
- **Gain input** from government experts to the Standards Board and other standards-related discussions,
- **Engage with countries from around the world** to receive global perspectives.

GEPS: Role of Appointed Representatives

Through GEPS, government entities, via their appointed representative, have an easy entry point into IEEE-SA activities:

- Learn about IEEE's standardization activities, including its WTO-adherent process and the technical areas of standards work, through:
 - An **orientation webinar** at the beginning of the year,
 - Relevant **email communications**,
 - **Topical webinars** on IEEE initiatives and topics of interest,
- **Have direct dialogue** on topics of interest
- Optionally, and encouraged when SASB meets in the appointed representative's country, **attend meetings** and share views
 - **Provide written information reports** on national standardization initiatives to IEEE-SA and/or SASB, when relevant, and **provide verbal input/feedback** upon request

GEPS: Benefits to Program Participants

- Appointed representatives **help inform IEEE-SA activities**, leading to mutual benefits for government entities participating in GEPS and IEEE-SA.
- Other benefits include:
 - An opportunity to **obtain first-hand, timely information** from IEEE-SA about its activities and plans,
 - An opportunity to **inform the priorities** and direction of IEEE-SA,
 - The ability to **interact and share views** with technology thought leaders,
 - An opportunity for **direct interaction** with IEEE-SA volunteer leadership and staff – both locally and globally,
 - An IEEE-SA **staff contact person** for the appointed representatives, to answer questions and assist with program participation.

GEPS: Attendance at SASB meetings

Are the appointed representatives able to attend SASB meetings?

Appointed representatives are encouraged to attend any and all Standards Board meetings, especially when in their country, to build knowledge of the process, share information, and engage with the global standardization community.

Does IEEE-SA provide funding support for appointed representatives to attend the Standards Board meeting?

No. IEEE-SA does not provide funding support for Standards Board members, other liaisons, or appointed government representatives to attend Standards Board meetings.

What level should the appointed representative hold in his/her ministry department to qualify for participation?

As SASB focuses on oversight of the standardization process and ongoing standardization work, an appointed representative at the level of Director or Head of Unit is expected to gain the most benefit from engaging in the program. However, at times, it may be appropriate for a Director/Head of Unit to delegate to a sub-ordinate. We aim to invite one appointed program representative who will regularly participate, and build knowledge of IEEE's standardization and technical activities.

SASB Outreach and Engagement Activities

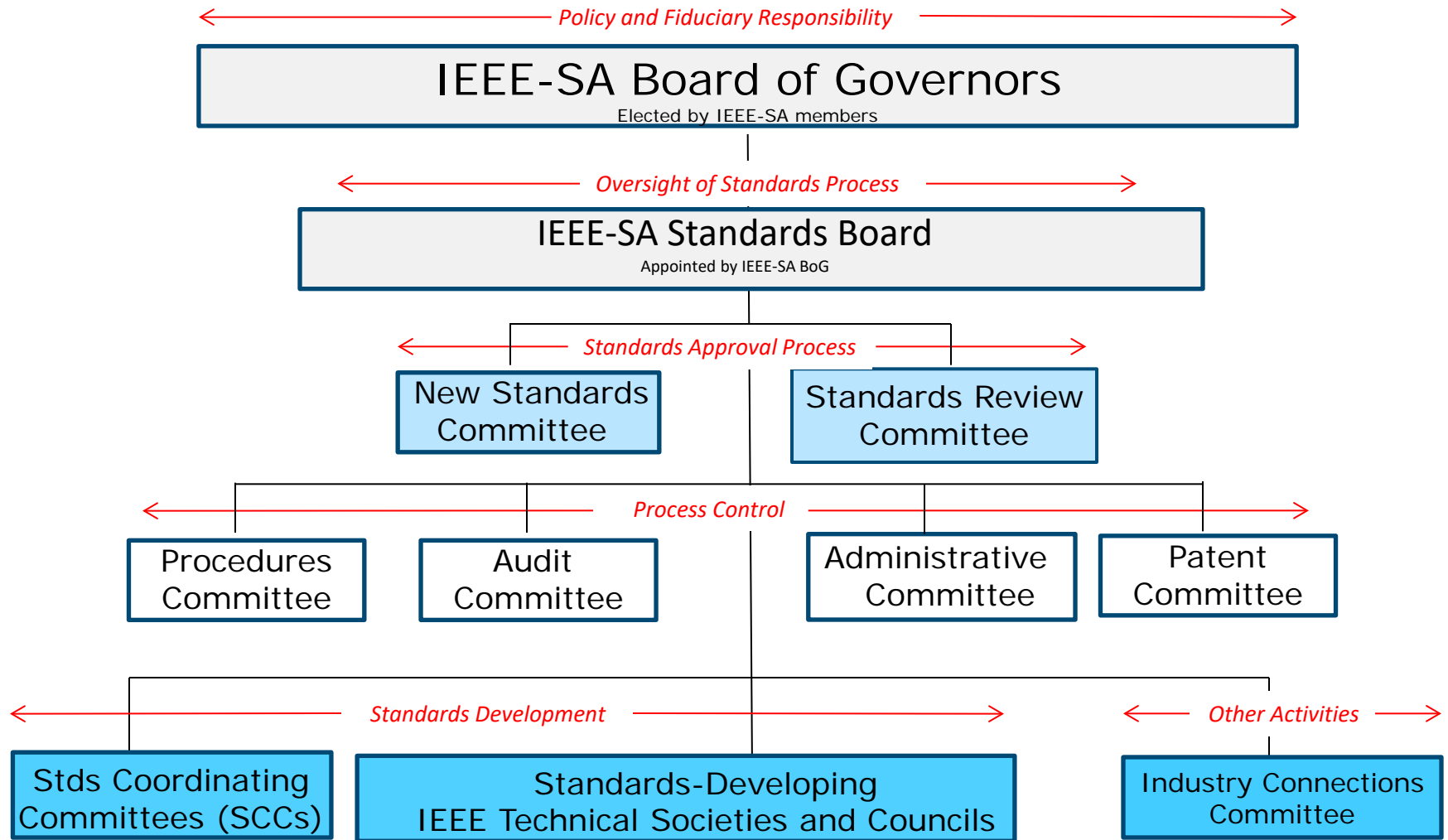
IEEE-SA conducts outreach and engagement activities to increase awareness of IEEE, IEEE-SA, its processes, programs and paradigms both regionally and globally.

This consists of contact with an external organization or a general audience (non-SA) that promotes involvement in the IEEE-SA.

When the SASB meets away from its headquarters, outreach and engagement activities are usually planned including bilateral meetings, workshops, or other activities, and SASB members are welcome to suggest and participate in outreach activities when possible.

IEEE-SA outreach and engagement is coordinated by IEEE-SA staff and conducted by IEEE-SA volunteers, IEEE-SA staff, or a combination of both.

IEEE-SA Organization



New Standards Committee - NesCom

- Makes recommendations to the SASB regarding approval of the Project Authorization Requests (PARs)
- Reviews PARs to ensure that proposed projects are within the scope and purpose of IEEE
 - New standards, revisions, amendments, corrigenda
 - PAR content per requirements of NesCom conventions
- Reviews PAR modifications, PAR extensions
- Meets during SASB meeting series and Continuous Processing (teleconference)

NesCom Members

2018 Roster

Ted Burse

Chair

Members

Stephen Dukes

Hung Ling

Travis Griffith

Dong Liu

Richard Holub

Kevin Lu

Michael Janezic

Damir Novosel

David Law

Jingyi Zhou

Administrator

Lisa Weisser

Standards Review Committee – RevCom

- Makes recommendations on the approval or disapproval of standards submitted for SASB approval or adoption.
- Ensures that consensus has been achieved and due process has been followed
 - Ballot conduct, comment consideration
 - Mandatory coordination, legal review, copyright permissions
 - Does not make formal technical judgments on content of proposed standard
- Meets during SASB meeting series and Early Consideration (teleconference)

RevCom Members

2018 Roster

Gary Hoffman

Chair

Members

Doug Edwards

Thomas Koshy

Xiaohui Liu

Daleep Mohla

Andrew Myles

Ron Petersen

Annette Reilly

Robby Robson

Jon Rosdahl

Hamid Sharifnia

Mehmet Ulema

Philip Winston

Administrator

Karen Evangelista

Procedures Committee - ProCom

- Drafts refinements to procedures and new procedures as necessary and submit its recommendations to the SASB
 - IEEE Standards Association Operations Manual
 - IEEE-SA Standards Board Bylaws
 - IEEE-SA Standards Board Operations Manual
- Work is in response to:
 - Changing Standards Board requirements
 - Directions from the Board of Governors
- Must act judiciously and quickly but thoughtfully!
- Recommended changes are approved by SASB or BOG as required by the document being changed

ProCom Members

2018 Roster

Ron Petersen

Chair

Members

Ted Burse

Gary Hoffman

John Kulick

Daleep Mohla

Annette Reilly

Phil Wennblom

Howard Wolfman

Administrator

Dave Ringle

Audit Committee - AudCom

- Maintains baseline P&P documents
- Reviews and recommends SASB action on acceptance of procedures of Sponsors and Standards Coordinating Committees (SCCs)
 - Accept, visibly under development, not accepted
 - May be on SASB Consent Agenda or for individual action
- Will review selected WG P&P
- Goal: that all IEEE standards committees have fair and open processes and procedures, and that they comply with them

AudCom Members

2018 Roster

Annette Reilly

Chair

Members

Doug Edwards

Travis Griffith

Guido Hiertz

Christel Hunter

Thomas Koshy

Daleep Mohla

Hamid Sharifnia

Dorothy Stanley

Mehmet Ulema

Philip Winston

Administrator

Lisa Weisser

Patent Committee - PatCom

- Addresses patent issues/problems of standards-writing groups
- Provides oversight for use of patents in IEEE Standards
 - Letter of assurance form
 - Patent slide set
- Provides archive of patent letters of assurance
- Develops updates to patent policy for review by the SASB and BOG
- IEEE-SA Legal Counsel provides legal support to PatCom

PatCom Members

2018 Roster

Phil Wennblom Chair

Members

Stephen Dukes	John Kulick
Yvette Ho Sang (non-voting)	Hung Ling
Gary Hoffman	Dorothy Stanley

Administrator

Dave Ringle

Industry Connections Committee - ICCom

- This committee shall be responsible for ensuring that proposed Industry Connections activities are within the scope and purpose of the IEEE, and for reviewing the progress and deliverables of Industry Connections activities.
- The committee shall examine Industry Connections Activity Initiation Documents (ICAIDs) and make recommendations to the IEEE-SA Standards Board regarding their approval.
- The committee shall also make recommendations to the IEEE-SA Standards Board regarding the termination of Industry Connections activities.

ICCom Members

2018 Roster

Kevin Lu

Chair

Members

Stephen Dukes

Andrew Myles

Guido Hiertz

Damir Novosel

David Law

Robby Robson

Dong Liu

Howard Wolfman

Xiaohui Liu

Jingyi Zhou

Administrators

Karen Evangelista

Rudi Schubert

Joan Woolery

Administrative Committee - AdCom

- Comprised of Standards Board Officers (Chair, Past Chair, Vice Chair) and Chairs of each standing committee and the SCC Coordinator
 - plus senior staff and legal counsel
- Reviews SASB agendas and recommends operational plan for the SASB meeting

Standards Coordinating Committees (SCCs)

- In addition to Societies, SCCs develop standards.
- SCCs are committees of the Standards Board
- Address topics of interest involving
 - more than one Society
 - that go beyond Society scopes
- SCC types
 - type 1: exchanges information, coordinates positions
 - type 2: develops standards
- SCC Coordinator leads oversight activities of the SASB
 - Kevin Lu is the SCC Coordinator for 2018

Standards Coordinating Committees (SCCs)

- SCC04 Electrical Insulation
- SCC14 Quantities, Units, & Letter Symbols
- SCC18 NFPA Standards
- SCC20 Test & Diagnosis for Electronic Systems
- SCC21 Fuel Cells, Photovoltaics, Dispersed Generation,
and Energy Storage
- SCC22 Power Quality
- SCC31 Automatic Meter Reading and Energy
Management
- SCC39 International Committee on Electromagnetic
Safety
- SCC42 Transportation

Summary - SASB Responsibility

Establish/maintain a consensus process to assure:

- Openness
- Fairness
- Balance of interests among materially affected parties
- Right to appeal
- Timely dissemination of standards and technical information

Summary - SASB Basic Functions

- Review all new activities/standards for adherence to IEEE-SA process (including legal) for use in the IEEE
- Approve or disapprove initiation of all new ICom activities and projects
- Review all standards projects submitted for approval as to:
 - Consensus
 - Due process
 - Conformance to PAR
 - Instructions given with project authorization

Questions and Answers

Jean-Philippe Faure

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WEB Page

www.standards.ieee.org