IEEE-SA Presence

- Globally recognized standards
- 1256 active standards
- 718 standards under development
- 7264 individual members and approximately 20,000 standards developers from every continent
- 280 corporate members

IEEE-SA Strengths

- 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
IEEE-SA Standards Board Scope

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.

See: https://standards.ieee.org/about/policies/sa-opman/index.html
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 reach and timely market relevance
- Technical integrity and excellence by the Volunteers that participate in our process

See: [https://standards.ieee.org/develop/govern.html](https://standards.ieee.org/develop/govern.html)
SASB, a large and diverse ecosystem


• All are different and operate as they are accustomed to operate

• Please consider that your “Home” Society or TC may do things differently and please respect how others conduct their business
You and the IEEE-SASB

1. Call for volunteers by Nominations and Appointments Committee (N&A)
   - N&A recommends appointments to SASB to the Board of Governors (BOG)

2. BOG appoints:
   - Chair of Standards Board
   - Members of Standards Board

3. Chair of Standards Board appoints:
   - Chairs of Subcommittees
   - Members of Subcommittees
   - SASB appeals pool
   - SCC Coordinator
   - Chairs of SCCs

4. SASB Members have full voting rights and are Ex-Officio Members (without voting rights) of NesCom and RevCom
Standing Committee Members

1. You have been selected by the SASB Chair to participate in:
   - AudCom: Audit Committee
   - ICCom: Industry Connections Committee
   - NesCom: New Standards Committee
   - RevCom: Standards Review Committee
   - Note: PatCom and ProCom are reserved for SASB Members

2. As a Standing Committee Member:
   - You have full voting rights in the committees you serve
   - You can participate in other Standing Committee and SASB meeting discussions but you have no vote

3. For next year/s appointments, if you are interested in serving on the SASB, please note this on your candidate form
IEEE-SA Standards Board Roster

2019 Roster
Gary Hoffman        Chair
To be appointed by SASB
Jean-Philippe Faure  Vice Chair
Konstantinos Karachalios  Past Chair
Secretary, non-voting

Members
Masayuki Ariyoshi
Ted Burse
Stephen Dukes [TAB Rep]
Guido Hiertz
Christel Hunter
Thomas Koshy
John Kulick
David Law
Joseph Levy
Howard Li
Xiaohui Liu

Kevin Lu
Daleep Mohla
Andrew Myles
Annette Reilly
Dorothy Stanley
Sha Wei
Phil Wennblom
Philip Winston
Howard Wolfman
Feng Wu
Jingyi Zhou

Member Emeritus
Joseph Koepfinger  non-voting

Government Observers
Rajeev Sharma  India BIS
Hemant Darbari  India C-DAC
Ashok Rajput  India CEA
Deepa Tyagi  India TEC
Seong-hwan Kim  Korea MSIP
Simon Hicks  UK DCMS
Marla Dowell  U.S. NIST
Thomas Koshy  U.S. NRC

Administrator
Dave Ringle
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
  - Conforms to the PAR content per the NesCom conventions
- Reviews PAR modifications, PAR extensions and withdrawals
- Meets during SASB meeting series and Continuous Processing (teleconference)
NesCom Members

2019 Roster
Dorothy Stanley Chair

Members
Alan Berkema
Ted Burse
Stephen Dukes
Grace Gu
John Kulick
Joseph Levy
Kevin Lu
Mehmet Ulema
Sha Wei
Philip Winston
Feng Wu
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 technical judgments on content of proposed standard

- Meets during SASB meeting series and Early Consideration (teleconference)
RevCom Members

2019 Roster
Travis Griffith  Chair

Members
Doug Edwards  Damir Novosel
Thomas Koshy  Annette Reilly
David Law  Robby Robson
Xiaohui Liu  Jon Rosdahl
Daleep Mohla  Yu Yuan
Andrew Myles

Administrator
Karen Evangelista
Procedures Committee - ProCom

- Drafts refinements to procedures and new procedures as necessary and submit its recommendations to the SASB
  - IEEE-SA Standards Board Bylaws

- Work is in response to:
  - Changing Standards Board requirements
  - Directions from the Board of Governors

- Must act judiciously

- Recommended changes are approved by SASB or BOG as required by the document being changed
ProCom Members

2019 Roster
Ted Burse Chair

Members
Jean-Philippe Faure Phil Wennblom
Travis Griffith Philip Winston
Annette Reilly Howard Wolfman
Dorothy Stanley

Administrator
Dave Ringle
Audit Committee - AudCom

- Maintains baseline P&P documents
- Reviews and recommends SASB action on acceptance of procedures of Standard Committees 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

2019 Roster
Annette Reilly Chair

Members
Masa Ariyoshi Kevin Lu
Doug Edwards Daleep Mohla
Guido Hiertz Andrew Myles
Christel Hunter Mehmet Ulema
Thomas Koshy Philip Winston
John Kulick Feng Wu
Howard Li Jingyi Zhou

Administrator
Lisa Weisser
Patent Committee - PatCom

- Addresses patent issues/problems of standards-developing 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

2019 Roster
Phil Wennblom Chair

Members
Stephen Dukes John Kulick
Jean-Phillipe Faure Dorothy Stanley
Yvette Ho Sang (non-voting) Don Wright

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.

See: https://standards.ieee.org/content/dam/ieee-standards/standards/web/governance/iccom/iccom_opsman.pdf
ICCom Members

2019 Roster
Kevin Lu Chair

Members
Alan Berkema Robby Robson
Stephen Dukes Mehmet Ulema
Guido Hiertz Howard Wolfman
David Law Yu Yuan
Howard Li Jingyi Zhou
Xiaohui Liu

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
- Meets when needed as a subset of the SASB to discuss important issues affecting the SASB
Standards Coordinating Committees (SCCs)

- In addition to Standards Committees, 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
  - Howard Wolfman is the SCC Coordinator for 2019

See 4.3: https://standards.ieee.org/about/policies/opman/sect4.html
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
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 and participants 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.

Please step forward when there is an opportunity to participate.
Summary - SASB Responsibility

Establish/maintain a consensus standards development process to assure:

- Openness
- Fairness
- Balance of interests among materially affected parties
- Right to appeal
- Timely dissemination of standards and technical information
- SASB mainly considers process and is rarely involved in technical decisions [only when a waiver is requested by the WG]
Summary - SASB Basic Functions

- Standing Committees of the SASB review all new standards development activities for adherence to IEEE-SA process (including legal)
- Approve or disapprove initiation of all new ICCom activities
- Review all standards projects submitted for approval as to:
  - Consensus
  - Due process
  - Conformance to PAR
  - Instructions given with project authorization
Reference materials

- **Develop Standards:**
  https://standards.ieee.org/develop/index.html

- **IEEE-SA Operations Manual:**
  https://standards.ieee.org/about/policies/sa-opman/index.html

- **IEEE-SASB Bylaws:**
  https://standards.ieee.org/about/policies/bylaws/index.html

- **IEEE-SASB Operations Manual:**
  https://standards.ieee.org/about/policies/opman/index.html

- **IEEE Antitrust and Competition Policy:**
  https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/antitrust.pdf
Questions and Answers

Gary Hoffman
grhoffman@ieee.org

WEB Page:
www.standards.ieee.org