



IEEE SA STANDARDS BOARD (SASB) NEW MEMBER ORIENTATION

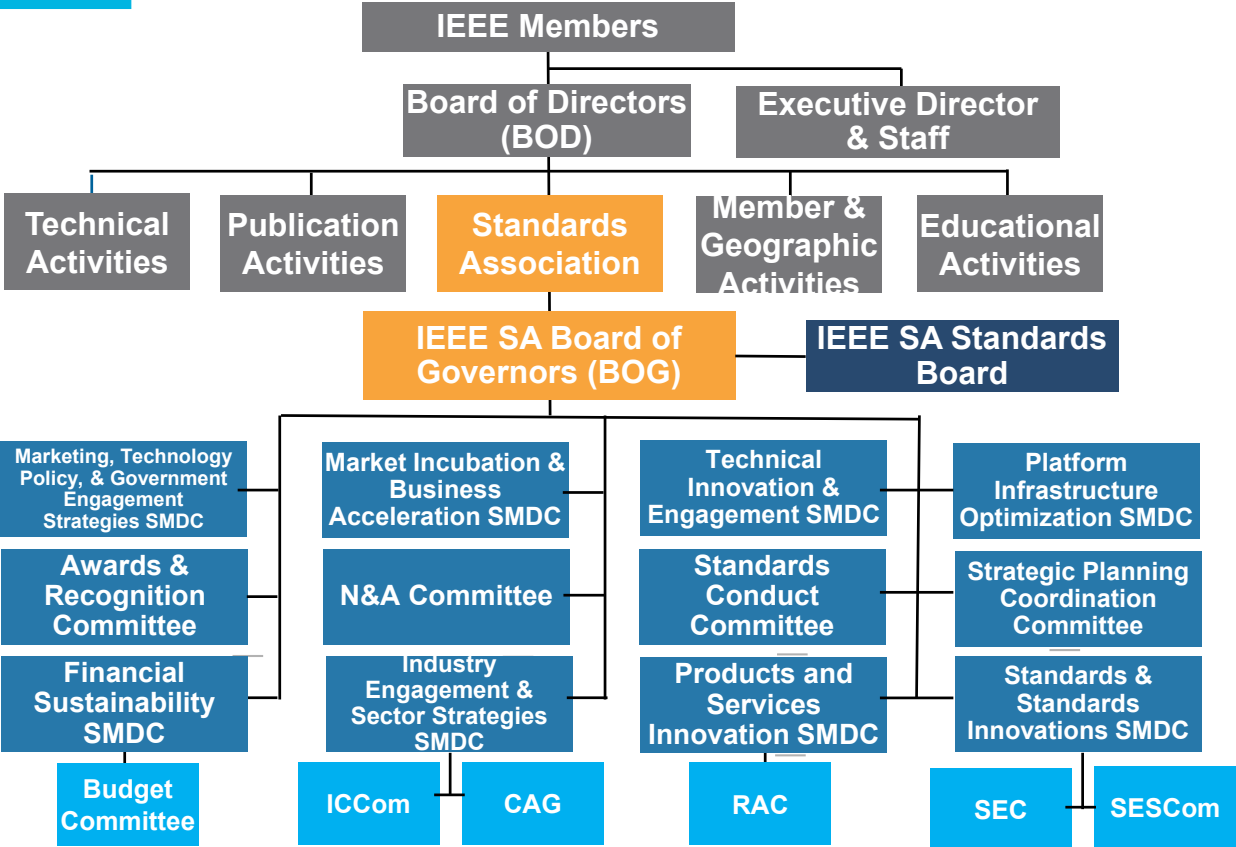
GARY HOFFMAN, SASB CHAIR
22 MARCH 2021

IEEE SA Presence and Strengths

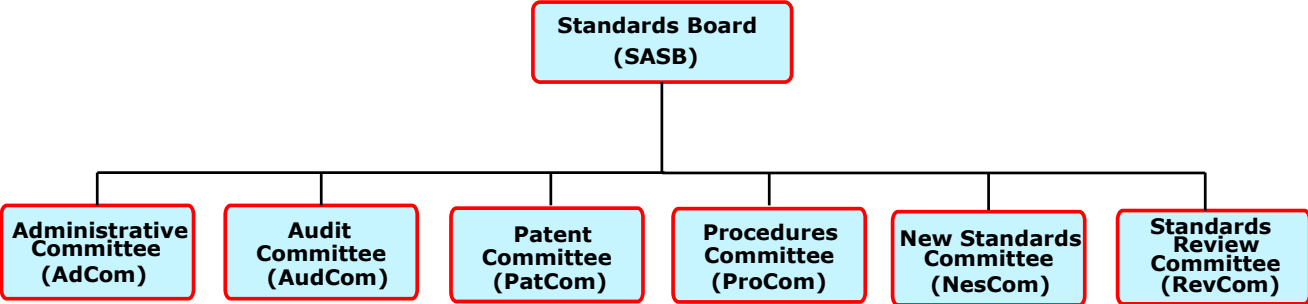
- Globally recognized standards
- 968 active standards
- 1219 standards under development
- 7061 individual members and approximately 35,000 standards developers from over 160 countries
- 397 entity members
- Open standards development process
- Draws on the depth and breadth of 40+ technical areas



IEEE SA and its Interaction with the IEEE



IEEE SA Standards Board



IEEE SA Standards Board Scope

The IEEE SA Board of Governors (BOG) established and appointed 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/sect5.html>

IEEE SA Values

Five principles guide the
IEEE standards development process

Consensus

Due
process

Openness

Right of
appeal

Balance

This ensures:

- **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>

SASB, a Large and Diverse Ecosystem

Societies with Standards	# Stds Cmtes
Power & Energy Society	17
Computer Society	11
Communications Society	9
Industry Applications Society	9
Instrumentation and Measurement Society	7
Aerospace and Electronic Systems Society	4
Consumer Electronics Society	3
Vehicular Technology Society	3
Broadcast Technology Society	2
Dielectrics and Electrical Insulation Society	2
Engineering in Medicine and Biology Society	2
Antennas and Propagation Society	1
Computational Intelligence Society	1
Education Society	1
Electromagnetic Compatibility Society	1
Electron Devices Society	1

Societies with Standards	# Stds Cmtes
Geoscience and Remote Sensing Society	1
Industrial Electronics Society	1
Intelligent Transportation Systems Society	1
Microwave Theory and Techniques Society	1
Nuclear and Plasma Sciences Society	1
Photonics Society	1
Power Electronics Society	1
Reliability Society	1
Robotics and Automation Society	1
Systems, Man, and Cybernetics Society	1
Ultrasonics, Ferroelectrics, and Frequency Control Society	1
Society on Social Implications of Technology	1
Council on RFID	1
Nanotechnology Council	1
Sensors Council	1
Total Standards Committees	89

Important to Remember

- **Please keep in mind: All Standards Committees have their own culture, and it is not necessarily the same as your “Home” Standards Committee**
- **They may conduct business differently and that is not necessarily a bad thing**
- **When you take part in any IEEE SA governance activity, please remember that you are to act in the best interest of the IEEE SA and not your “Home” Standards Committee or your affiliation**

You and the IEEE SASB

- 1. Call for volunteers by IEEE SA Nominations and Appointments Committee (N&A)**
 - N&A recommends appointments to SASB to the IEEE SA Board of Governors (BOG)
- 2. BOG appoints:**
 - Chair of Standards Board
 - Members of Standards Board
- 3. Chair of Standards Board appoints:**
 - Chairs of SASB Standing Committees
 - Members of SASB Standing Committees
 - SASB appeals pool
 - Chairs of Standards Coordinating Committees (SCCs)
 - SCC Coordinator
- 4. SASB Members have full voting rights for SASB matters, and are also 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
- NesCom: New Standards Committee
- RevCom: Standards Review Committee
- PatCom and ProCom are reserved for SASB or BOG 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

2021 Roster

Gary Hoffman

Chair

To be appointed by SASB

Vice Chair

John Kulick

Past Chair

Konstantinos Karachalios

Secretary, non-voting

Members

Edward Addy, TAB Rep

Chenhui Niu

Howard Wolfman

Doug Edwards

Damir Novosel

Daidi Zhong

Ramy Fathy

Annette Reilly

Travis Griffith

Jon Rosdahl

Thomas Koshy

Dorothy Stanley

David Law

Mehmet Ulema

Howard Li

Lei Wang

Johnny Lin

Keith Waters

Kevin Lu

Karl Weber

Daleep Mohla

Sha Wei

Member Emeritus

Joseph Koepfinger, non-voting

SASB Administrator

Dave Ringle

Government Engagement Program on Standards (GEPS) Representatives

Afghanistan ATRA:

Australia ACMA:

Brazil ANATEL:

Brazil MCTIC:

Burkina Faso DEPD:

Egypt NTRA:

France MEAE:

Germany BMWi:

Germany BNetzA:

Ghana NCA:

India ARAI:

India BIS:

India C-DAC:

India CEA:

India POWERGRID:

India TEC:

Azatullah Dawoodzai

Allan Major

Nilo Pasquali

**José Gustavo Sampaio
Gontijo**

Lydia Mai Ouedraogo

Ramy Ahmed Fathy

Hadjan Doucoure

Karl Weber

Taras Holoyad

Isaac Boateng

Anand Deshpande

Rajeev Sharma

Hemant Darbari

Ashok Rajput

Sudhir Agarwal

Sudhir Bhandari

Israel MOC:

Israel PUA:

Japan MIC:

Republic of Korea KATS:

Republic of Korea MSIT:

Panama SNE:

Rwanda RURA:

Saudi Arabia CITC:

Senegal MDET:

Tanzania TCRA:

Turkey ICTA:

Uganda UCC:

UK DCMS:

U.S. NIST:

U.S. NTIA:

Shmuel Azulay

Igor Stepensky

Nobuhiro Watanabe

Soo Jin Park

Sungdong Min

Guadalupe Gonzalez

Yvonne Umutoni

Mansour Al Qurashi

Achime Malick Ndiaye

Mwesigwa Felician

Afsin Buyukbas

Susan Nakanwagi

Simon Hicks

Marla Dowell

Suzanne Radell

Audit Committee - AudCom

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

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, that standards projects are assigned to the proper Society or other organizational body, and that interested parties are appropriately represented in the development of IEEE standards.**
 - New standards, revisions, amendments, corrigenda
 - Conforms to the PAR content per the NesCom conventions
- **Reviews PAR modifications, PAR extensions, and withdrawal requests**
- **Meets during SASB meeting series and Continuous Processing (teleconference)**

NesCom Members

2021 Roster

Dorothy Stanley

Chair

Ramy Fathy

Vice Chair

Sha Wei

Vice Chair

Members

Doug Edwards

Annette Reilly

Daidi Zhong

Guido Hiertz

Mehmet Ulema

Wei Hong

Lei Wang

Daleep Mohla

Karl Weber

Chenhui Niu

Don Wright

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 Accepted patent letters of assurance**
- **Develops updates to patent policy for review by the SASB and BOG**
- **IEEE Legal Counsel provides legal support to PatCom**

PatCom Members

2021 Roster

David Law

Chair

Members

Yvette Ho Sang, Non-voting

John Kulick

Damir Novosel

Mehmet Ulema

Administrator

Dave Ringle

Procedures Committee - ProCom

- **Drafts refinements to procedures and new procedures as necessary and submits 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
- Direction 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

2021 Roster

John Kulick

Chair

Members

Doug Edwards

Dorothy Stanley

Travis Griffith

Sha Wei

David Law

Kevin Lu

Damir Novosel

Annette Reilly

Administrator

Dave Ringle

Standards Review Committee – RevCom

- **Makes recommendations on 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

2021 Roster

Travis Griffith

Chair

Members

Edward Addy

Jon Rosdahl

Ted Burse

Mark Siira

Thomas Koshy

Keith Waters

David Law

Philip Winston

Howard Li

Howard Wolfman

Johnny Lin

Jingyi Zhou

Administrator

Karen Evangelista

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
- Meets in executive session

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
 - Mehmet Ulema is the SCC Coordinator for 2021

See SASB OpMan 4.3:

<https://standards.ieee.org/about/policies/opman/sect4.html>

Standards Coordinating Committees (SCCs)

SCC04 Electrical Insulation

SCC14 Quantities, Units, and Letter Symbols

SCC20 Test and 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

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-IEEE 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.

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 SA Antitrust and Competition Policy:**

<https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/antitrust.pdf>

Questions and Answers

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grhoffman@ieee.org

WEB Page:
www.standards.ieee.org