

Industry Standards Panel

Panelists

Carole Carey, C3-Carey Consultants, LLC

Eileen Hill, International Trade Administration; U.S. Department of Commerce

Chris Jorgensen, IPC—Association Connecting Electronics Industries

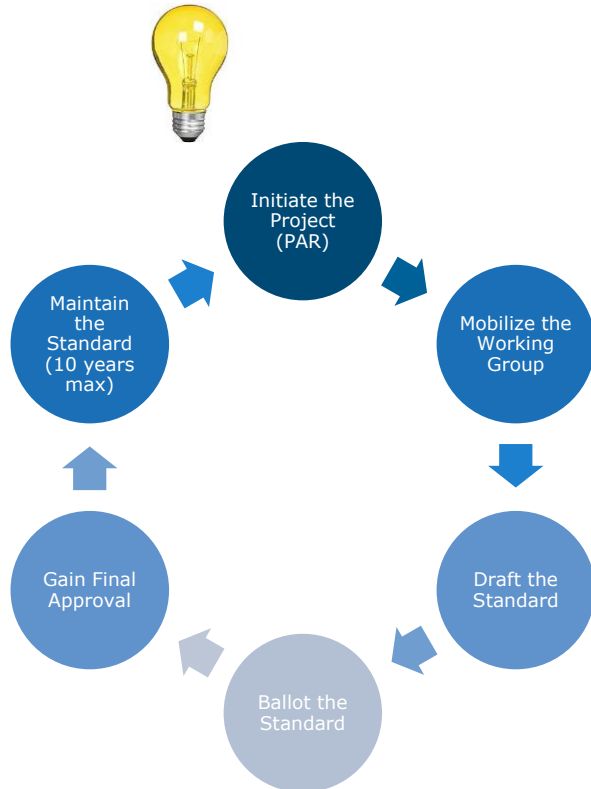
Stephanie Rodgers, Apex Mills



IEEE-SA takes a lifecycle approach

IEEE-SA nurtures, develops, and advances global technologies through a unique lifecycle approach

Starts as an idea!



BEST PRACTICES FOR IEEE STANDARDS DEVELOPMENT

An Open Consensus Environment
Standards development organizations provide an environment where consensus can occur. IEEE follows an open consensus environment where all interested parties have the opportunity to participate in a venue where professional technical discourse can occur, where all voices are valued, and where there is acknowledgment that disagreement is acceptable, and in fact lays the foundation for building stronger technical support for the final standard.

The Five Basic Principles of standards development
An IEEE standards development participant demonstrates a clear commitment to the following principles:

- 1 Openness
- 2 Due Process
- 3 Balance
- 4 Right of Appeal
- 5 Consensus

There is an expectation in IEEE standards development that participants enter the discourse understanding that consensus means remaining open to concessions, and ultimately accepting the decision of the majority while respecting the views of the minority. That does not prevent spirited discourse or persuasive arguments, but it does require fairness and respect for other participants and IEEE staff, as well as compliance with the IEEE Code of Ethics and all policies, procedures, and applicable laws.



Open Environment and Proven Processes

- Pre-standards work includes IEEE-SA Industry Connections program
Examples: 3D body processing, Neurotech for Brain-machine interfacing, Supply Chain & trials
- Proven development process for producing successful and pervasive global standards
Examples: wireless (e.g., "Wi-Fi", body area networks), wearable health and medical device communications, internet of things, sensors
- Market-implementation work includes IEEE Conformity Assessment Program (ICAP)
Examples: Camera phone image quality, sensors certification



INTERNATIONAL
TRADE
ADMINISTRATION

U.S. Government Support for Standards for Emerging Technologies, including Smart Textiles

- U.S. Government (USG) role in the U.S. standards system
- Standards provisions in trade agreements, including why it matters for standards to be developed in a consensus based manner/2000 Decision of the WTO Committee on Technical Barriers to Trade (“Committee Decision”)
- USG support for standards developed by U.S. SDOs and standards U.S. companies want to use globally – highlighting work by the International Trade Administration
- USG work with trading partners to ensure they are open to innovative solutions/do not regulate unnecessarily in emerging areas, including Smart Textile products, to keep markets open

IPC E-TEXTILES 2019



- International trade association and standards developer for electronics industry
- More than 4,600 members and 300 international standards
- No cost to participate in IPC standards activities
- E-Textiles Committee formed in 2017
- More than 100 companies on committee roster
- Three standards projects underway
 - Materials specification
 - Design standard for printed e-textiles
 - Connectors guideline
- Washability white paper published in August
 - Seeking additional white paper topics

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EXPO