MINUTES
S-1 General Session
Salt Lake City, Utah
Tuesday Oct. 7, 2008

1.0 Call to Order - Circulate Membership Roster

Meeting called to order at 1:30 pm by Chairman Mike Lauri

2.0 Committee Organization and Procedures

2.1 Membership Intros were conducted and Roster circulated.

The attendance was as follows:

NAME	COMPANY
Michael Lauri	IBM
Paul Krystek	IBM
Dave Richardson	Vishay
Bill Gisseler	TDK
Mike Cannon	TDK
Laird Macomber	CDE
Jason Wood	KOA
Carl Lindquist	SOC America Inc.
Jayson Young	Kemet Electronics
Jim Connell	Vishay
Ralph Justus	ECA
Mary Carter Berrios	Kemet Electronics
Bob Willis	ECA
Michael Everett	Maxwell Technologies / KFI
Lanney McHargue	Murata
Nasir Samiec	Cisco
Harizo Yawary	Cisco
Ed Mikoski	TIA

A quorum was present. 8 of 11 member companies present at meeting.

Member Organizations Present	Present at this Meeting (Fall 2008)	Present at the Meeting (Spring 2008)	Present at the Meeting (Fall 2007)
AVX	N	Y	Y
Cornell Dubilier	Y	Y	N
IBM	Y	Y	Y
Kemet	Y	Y	Y
KOA Speer Electronics	Y	Y	N
SOC America Inc.	Y	Y	Y
SEI Electronics	N	Y	Y
TDK	Y	Y	Y
TI	N	N	Y
Vishay	Y	Y	Y
Murata Electronics	Y	Y	N

Other Organizations Present
Cisco Systems
ECA
Maxwell Technologies/KFI
TIA

2.2 Approval of Agenda and Previous Minutes – Approved Unanimously

2.3 Correspondence – Received Correspondence from Jayson Young of Kemet who was concerned with the IPC-709 " Definition of maximum limits on the low halogens bromine and chlorine used in materials for certain electronic components and assemblies." which proposes to eliminate elemental usage of Br and Cl as flame retardants in plastic mold materials. Paul Krystek of IBM gave a brief background of this new IPC specification and clarified what is going to happen on this specification which in out for comments at this point, not voting. JEDEC disapproved due to elemental Bromine and Chlorine removal. This document is now being redrafted to original class 1 and eliminating class 2 classifications. IBM will keep this committee aware of the changes to this document as needed and send update of IPC-709 out to S1 members as it becomes available.

2.4 Review of Committees Scope- To provide leadership and direction for passive component standards engineering working groups. The Committee will offer an opportunity for creating a unifying environment for interaction between all passive component users and producers. No changes required at this time.

3.0 ECA Environmental Update - none was given.

4.0 Presentations

4.1 KFI Presentation by Mike Everett of Maxwell Technologies - Ultra-capacitors: A mainstream energy storage and power delivery solution. This presentation discussed the energy and storage capacity of ultra-capacitors, and the trends in automobiles. It also discussed KFI's roles and responsibilities. Ultra-capacitors store electrons and nothing else. This allows the electric charge to be immediately available to its applications. When these capacitors deliver its power, the voltage drops in response to the ultra capacitor shedding its stored electrons and charge and it's a linear decay of the voltage. All ultra capacitors have high surface area carbon anodes and cathodes for very large capacitance values. These capacitors are used in hybrid vehicles in most 12V, 14V, 32V and 60V electrical systems. They are used in recuperator systems like regenerative breaking system, electronic steering controls, and in drive systems. Ultra capacitors are very good for cold engine starting on heavy trucks.
What is KFI? KFI is the only world wide organization dedicated to promote the use of ultra capacitors. KFI is taking on challenges like marketing, uniform standards among manufactures and users and ease of use and regulatory considerations. KFI submitted a request to the UN for consultative status and is awaiting its approval. They also proposed standard shipping regulations for specific ultra capacitors. Other ultra capacitor applications include copiers, assisted airplane door opening, wind generators, heavy lifting forklifts and cranes as well as in hybrid garbage trucks for hydraulic crushing. From a standards perspective, there are no standards for ultra capacitors. There is no standard characterization, measurement methods, test methods etc… ECA is open to helping KFI start an ECA subcommittee. This will be addressed at the STPC meeting who assigns new sub-committees for standards activities.

5.0 Old Business

5.1 PN5149 – J-STD-075 new joint standard on Assembly Processing, Evaluation and Classification of Non-IC Electronic Components Update – Paul Krystek. This joint specification got finally released in August. This committee will now work on the first revision of this document starting in Jan 2009. Things being considered for inclusion are adding rework, changing the flux references to align with J-STD-004, include PTH selective soldering, try to reduce the classification simplification, change to what is editorially stated as a reasonable process and to expand on the connector information in this document. There is also education material being created now for the industry.

5.2 Status of PN5165 China RoHS Environmental Friendly Use Period (EFUP) Marking Requirements component bulletin CB24. This bulletin has been published and is available on the ECA website.

6.0 New Business

6.1 Paul Krystek of IBM discussed having a J-STD-075 update meeting rotated at various organizations (ECA, JEDEC and IPC) The S1 committee likes this idea and would like bridge out to other specifications moving forward.

6.2 Paul Krystek of IBM also proposed a joint meeting location for ECA, JEDEC and IPC in the 2010 timeframe to work on more joint standards. Other areas being considered are solderability, shelf life, materials declarations etc… A motion was made and seconded to have a joint meeting in the 2010 timeframe at a location to be determined later. Dave Richardson of Vishay proposed video conferencing and emeetings. ECA Bob Willis took an action item to send out to the chairs what methods are available from ECA.

6.3 Cobalt Dichloride is on the REACH list of substances of very high concern (SVHC) and Mary Carter Berrios of Kemet brought this topic up for discussion. The concern is SVHC substances generally go onto the banned list next yet when there is no solution at this point in the industry. Mary brought up that Livosil has 40years of desiccant experience and conforms to J-STD-033B and its color schemes. There is a potential that JEDEC looked at a new HIC card without cobalt dichloride, Paul Krystek took a action item to get this information and send it to the S1 membership.

6.4 Dave Richardson of Vishay brought up a suggestion that all sub-committees to make a list of their active specifications and keep them updated on the ECA website. He also suggested adding a section onto the ECA website to be able to send prospective buyers to purchase these documents.

7.0 Future Meetings – The next meeting Spring 2009 will be at the Chateau Sonesta Hotel, 800 Iberville Street New Orleans, LA 70112 on April 27-30, 2009. The committee tabled the voting on the next meeting location due to the lack of time. Anyone who wanted to input a location please get with me prior to STPC meeting tomorrow. We will vote on the Fall 2009 meeting at the STPC meeting tomorrow.

8.0 Action Items –

1. Bob Willis of ECA took an action item to send out to the chairs what methods are available from ECA about having meetings, conference calls, video conference, e-meetings etc…

2. Paul Krystek of IBM took a action item to get the JEDEC information on cobalt free HIC cards and send it to the S1 chairmen to send to the membership.

3. Chairmen of S1 will keep this committee aware of the changes to this document as needed and send update of IPC-709 out to S1 members as it becomes available.

9.0 Adjournment – Meeting was adjourned at 4:30 PM.