Electronic Components, Assemblies & Materials Association

2500 Wilson Boulevard, Arlington, Virginia 22201-3834
tel 703-907-8024 • fax 703-875-8908 • www.ec-central.org

Minutes of P-2.7 Subcommittee Meeting
Electrochemical Double-layer Capacitors (EDLCs) & Associated Hybrid Products

Wednesday April 28, 2010
Hyatt Regency Grand Cypress, One Grand Cypress Blvd., Orlando, FL 32836

1.0 Call to Order - Circulate Membership Roster

1.1 In the absence of the Chairman Mike Everett of Maxwell, Laird Macomber chaired this meeting. The meeting was called to order at 2:30 p.m.

1.2 The roster was circulated among participants

1.3 A quorum was present. The following tables record the attendees, companies present, and others in attendance.

Name	Company
Laird L Macomber	Cornell Dubilier
Ed Mikoski	ECA
Michael Lauri	IBM Corporation
Jayson Young	KEMET Corporation
Mary Carter Berrios	KEMET Corporation
Bill Gisseler	TDK
David Richardson	Vishay Intertechnology, Inc.

Member Organization Present	Present at this meeting	Present at Fall 2009 Inaugural Meeting
AVX	N	Y
Cornell Dubilier	Y	Y
IBM	Y	Y
KEMET	Y	Y
Maxwell Technology	N	Y
Murata	N	N
TDK	Y	Y
Vishay	Y	Y

Other Organizations Present	Present at this meeting	Present at Fall 2009 Inaugural Meeting
ECA	Y	Y

2.0 Committee Organization and Procedure

2.1 Membership and Attendance – see list at clause 1.3.

2.2 Approval of Agenda – There was no written agenda; so the committee followed the agenda from the inaugural meeting. Approved items of business included discussion of scope and title of the committee, new project initiations and recruitment of members for P-2.7 from the KFI organization. New business included an introduction of the new ECA eWorkspace software tool for standards development and a discussion of the responsibility of the subcommittee to review and participate in projects within the scope of P-2.7 in the IEC Technical Committee TC40 of the US Technical Advisory Group (TAG).

2.3 Approval of Previous Meeting Minutes – The committee unanimously approved the meeting minutes from the Inaugural meeting held at the Doubletree Hotel Savannah, GA on Wednesday October 6, 2009.

3.0 Discussion on Title and Scope

3.1 The committee discussed the scope of the work and subsequently approved an updated title for the P-2.7 Subcommittee to better reflect the anticipated work. The approved title and scope is *P-2.7 Electrochemical Double-layer Capacitors and Associated Hybrid Products.* This scope allows the committee to also address hybrid lithium ion capacitors with their more-complex-than-EDLCs' chemistry.

4.0 New Project Initiations

4.1 The committee unanimously approved development of a new standard for *Large Cell Electrochemical Double-layer Capacitors of Wound Construction*. Laird Macomber is to obtain a project initiation PN Number from ECA.

4.2 The task force set up to begin creation of a draft for the new standard includes Mary Carter Berrios, Mike Cannon, Mike Lauri, Jayson Young, and Ed Mikoski and is led by Laird Macomber. Laird will work with Ed to plan a teleconference in the near future. To accommodate attendance by Mary in Italy, the planned teleconference time is 10:00 a.m. Eastern Time. That's 4:00 p.m. Central European Summer Time (CEST), the time in Italy until October 31, 2010.

5.0 Building membership

5.1 Ed Mikoski will work with the Chair Mike Everett to bring in participants from the KFI Kilofarads International Organization.

6.0 International standards activity

6.1 There are some standards that have been created in the IEC TC40 committee. The P-2.7 Subcommittee agreed to become the review point to assist the US Technical Advisory Group on documents within the scope of P-2.7. Ed Mikoski will work with

the US Technical Advisor, Kurt Zipp to identify any such documents and work with the committee to review them.

7.0 Next Meeting

7.1 Ed Mikoski had announced that the fall meeting of the ECA Engineering Summit would be in Austin Texas, September 27–30, 2010. Therefore, the P-2.7 will likely meet on Wednesday, September 29, 2010.

8.0 Adjournment

8.1 The meeting was adjourned at approximately 3:30 p.m.

Laird L Macomber

Acting Chairman

Ed Mikoski

Acting Secretary