

Attachment No. 1

CE-2.1 SUBCOMMITTEE ON TEST PROCEDURES

October 4-5, 2004, San Diego, CA

Subcommittee Chair Bill Peverill welcomed everyone, and said that the meeting would be conducted following the published agenda.

1. The minutes of the April 19-20, 2004 meeting in Tampa, FL were approved.

2. TEST PROCEDURE PROJECTS (BY PROJECT NUMBER)

SP-4896-A, TP-62A, Terminal Strength (Jeff Toran)**
Published Jul 04.

SP-4903-B, TP-56A, Resistance to Soldering Heat (Jeff Toran)

It was reported that the standards was sent to EIA for a third SP ballot. The ballot expired 29 Sep 04. There were 4 approvals were received by EIA, and no comments. It was moved by Bill Upstone and seconded by Bill Peverill that this standard be sent to EIA for EDEC ballot. The following member present unanimously approved this action: David Bouzek, Greg Brown, Frank Ruffino, Bill Upstone, William Peverill and Carl Fritz.

PN-4942-A, TP-60, General Methods for Porosity Testing (John Healy)

As discussed and voted on at the Tampa 2004 meeting Carl Fritz has agreed to contact EIA and have the standard sent out on a short 30-day SP ballot. It was moved by Carl Fritz and seconded by Bill Upstone that this standard be sent to EIA for EDEC ballot, if no comments are received by the ballot expiration date. The following member present unanimously approved this action: David Bouzek, Greg Brown, Frank Ruffino, Bill Upstone, William Peverill and Carl Fritz.

PN-4945, TP-29, Contact Retention (Bill Upstone & Rick Taylor)

This project is still on hold pending completion of the harmonization effort.

PN-4963, TP-65, MFG (Max Peel)

No report.

SP-4981, TP-70, Temperature Rise Versus Current (Max Peel)

No report.

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SP-5060, TP-91A, Dust (Max Peel)

It was reported that this standard was sent to EIA for a SP ballot on 17 Jun 04. The ballot expired 23 Aug 04. It was reported by Carl Fritz that one approved ballot with editorial comments was received from Jeff Toran. It was moved by Bill Upstone and seconded by Frank Ruffino to accept the editorial comment from Jeff Toran and send the standard to EIA for EDEC ballot. The following member present unanimously approved this action: David Bouzek, Greg Brown, Frank Ruffino, Bill Upstone, William Peverill and Carl Fritz.

SP-5061, TP-12A, Restricted Entry (Jeff Toran)**

It was reported that this standard was sent to EIA for a SP ballot on 18 Jun 04. The ballot expired 23 Aug 04. There were 6 approvals received by EIA, and no comments. It was moved by Bill Upstone and seconded by David Bouzek that this standard be sent to EIA for EDEC ballot. The following member present unanimously approved this action: David Bouzek, Greg Brown, Frank Ruffino, Bill Upstone, William Peverill and Carl Fritz.

SP-5062, TP-81A, Combustibility of Connector Housings (Jeff Toran)

It was reported that this standard was sent to EIA for a SP ballot on 22 Jun 04. The ballot expired 14 Sep 04. There were 5 approvals received by EIA, and no comments. It was moved by Bill Upstone and seconded by Greg Brown that this standard be sent to EIA for EDEC ballot. The following member present unanimously approved this action: David Bouzek, Greg Brown, Frank Ruffino, Bill Upstone, William Peverill and Carl Fritz.

SP-5063, TP-82A, Corrosivity of Plastics (Jeff Toran)**

It was reported that this standard was sent to EIA for a SP ballot on 22 Jun 04. The ballot expired 14 Sep 04. There were 4 approvals received by EIA, and no comments. It was moved by Bill Upstone and seconded by David Bouzek that this standard be sent to EIA for EDEC ballot. The following member present unanimously approved this action: David Bouzek, Greg Brown, Frank Ruffino, Bill Upstone, William Peverill and Carl Fritz.

PN-5064, TP-110, Thermal Cycling (Max Peel)

It was reported that this standard was sent to EIA for a Letter ballot on 30 Jun 04. The ballot expired 30 Aug 04. There were 4 approved letter ballots received, and no comments. It was unanimously moved by Carl Fritz and seconded by David Bouzek that the standards be sent to EIA for SP ballot.

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SP-5065, TP-11B, Resistance to Solvents (Max Peel)

It was reported that this standard was sent to EIA for a SP ballot on 4 Aug 04. The ballot expires 18 Oct 04. It was reported that 5 approvals were received, and no comments. It was moved by Carl Fritz and seconded by David Bouzek that this standard be sent to EIA for EDEC ballot, if no comments are received by the ballot expiration date. The following member present unanimously approved this action: David Bouzek, Greg Brown, Frank Ruffino, Bill Upstone, William Peverill and Carl Fritz.

SP-5071, TP-48A, Metallic Coating Thickness (Jeff Toran)**

It was reported that this standard was resubmitted to EIA for a SP ballot to supersede all test methods on 27 Aug 04. Ed Mikoski requested that Carl Fritz prepare a new letter to EIA to place document on ECA web site, and notify IHS to update their search engine / data base to supersede the document by the individual ASTM standards, and eventually revise EIA-364 to capture this information.

3. TEST PROCEDURES AWAITING PROJECT NUMBERS (BY TP NUMBER)

TP-15, Contact Strength (Al Davis)**

No report

TP-17, Temperature Life (Max Peel & Vince Pascucci)

No report

TP-18, Visual Inspection (Frank Ruffino)**

Frank reported that the standard is ready to be sent to EIA for SP ballot.

TP-31, Humidity (Max Peel & Frank Ruffino)

No report.

TP-32C, Thermal Shock (Max Peel & Frank Ruffino)

No report.

TP-41C, Cable Flexing (Max Peel)

No report.

TP-55, Current Cycling (Bob Druckenmiller)**

Carl Fritz reported that the standard is in the process of revision.

TP-59, Low Temperature (Frank Ruffino)**

Frank Ruffino reported that the standard is ready to be sent to EIA for SP ballot.

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TP-75, Lightning Strike (Al Davis)

The committee requested that David Bouzek report at the next SAE meeting that this standard will be sent out for reaffirmation due to lack of interest to revise and update. If no feedback is received by the spring 2005 meeting the prescribed action will be taken.

** Past due for 5-year review

4. STG REPORT

STG-29-2.1 Performance Criteria (SP-5038, EIA-364-1000.01)-John Healy and Max Peel

As discussed and voted on at the Tampa 2004 meeting, Carl Fritz has agreed to contact EIA and have the standard sent out on a short 30-day SP ballot. It was moved by Carl Fritz and seconded by Bill Peverill that this standard be sent to EIA for EDEC ballot, if no comments are received by the ballot deadline. The following member present unanimously approved this action: David Bouzek, Greg Brown, Frank Ruffino, Bill Upstone, William Peverill and Carl Fritz.

5. MIL-STD-1344 HARMONIZATION

Bill Peverill reported that Dwight Tabit indicated that the military was in the final stages of superseding MIL-STD-1344 by EIA-364 test standards.

6. OTHER BUSINESS

A. Compliant Pin Contact Document (Max Peel)

No report.

B. Current Rating Verification Procedure EIA-364-1000.02 PN-3787 (Frank Ruffino and John Healey)

Frank Ruffino reported that work is in process and it is hoped to have something to present at the next meeting. Frank also reported that another paper on this topic was presented at the September 2004 IICIT Conference. Frank will provide copies of the paper for inclusion with the minutes.

C. Qualification Procedure for Tin Wisker formation on Pb-Free Reflow Soldering. (Frank Ruffino)

Frank Ruffino reported that the project on hold pending a clear direction in the industry.

D. Qualification Procedure for Connector Heat Resistance to Pb-Free Reflow Soldering. (Frank Ruffino)

Frank Ruffino reported that the project on hold pending a clear direction in the industry.

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E. The following is a list of TP's that are not on the active work list that are past due and are in need of the 5 year review: 5, 7, 8, 24, 25, 27, 36, 37, 40, 44, 46, 79, 85, 87, 88, 89, 91, 93, 94, 97, 98

Carl Fritz to request a project number to reconfirm all the above documents at on time. Will need to list all documents on the PINS form and have the ballot contain a means to approve all, or accept or reject all individual standards. 5. New Business

7. NEW BUSINESS

There was no new business to report.

All actions taken by the subcommittee were moved and unanimously approved by the EIA CE-2.0 committee. The meeting adjourned at 4:00 PM on 4 October 2004.

Respectively,

Carl Fritz
Recording Secretary

Wm. Peverill
Chairman CE-2.1