

ENGINEERING PRACTICE STUDY
PROJECT NUMBER: 5998-2010-044

TITLE:

Review of Non-Government Standard IPC-TM-650 Number 2.3.16.1
to Determine the Validity of Its DoD Adoption.

25 February 2011

FINAL REPORT

Prepared by:

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ATTCH 3

I. **OBJECTIVES:** The objective of this study was to evaluate the status of (NGS) IPC–TM–650 number 2.3.16.1, "Resin Content of Prepreg, by Treated Weight" in regards to its worth as a viable document for use by the Defense Standardization Program (DSP) using the following criteria:

- a. Determine the value and use of IPC–TM–650 number 2.3.16.1 as a DoD adopted document within the DSP.
- b. Evaluate the activities by the non-Government standard body (NGSB) regarding the document.
- c. Reviewing the actual notice of adoption on the ASSIST web site that is administered by the Document Automation and Production Service (DAPS) for accuracy and errors

II. **BACKGROUND:** IPC–TM–650 number 2.3.16.1 was adopted on 28 March 1992 (see attachment 1). For use in MIL–S–13949. IPC–TM–650 number 2.3.16.1 describes the testing of the resin content of prepreg material. IPC–TM–650 number 2.3.16.1 was developed and published by non-Government standard body (NGSB), the IPC – Association Connecting Electronics Industries. The NGSB committee responsible for IPC–TM-650 number 2.3.16.1 was MIL–P–13949 Test Methods Task Group (7-11b).

III. **RESULTS:** After a thorough review of IPC–TM–650 number 2.3.16.1, ASSIST, and the printed board industry, the answers to the questions posed in section I of this study are as follows:

- a. Use of the NGS in DoD documents: A review using ASSIST to search for use of IPC–TM–650 number 2.3.16.1 within DoD documents resulted in no direct reference in any DoD standardization document.
- b. NGSB activity: MIL–P–13949 Test Methods Task Group (7-11b) has been disbanded due to the cancellation of MIL–S–13949 on 30 November 1998. There has been no activity to update this test method since revision "C" was published in 1994.
- c. Status of the DoD Notice: A review of the actual notice of adoption that is on the ASSIST web site (see attachment 2) uncovered many errors. The following is a compilation of the errors in the adoption notice on the ASSIST web site:
 1. The title of NGS is incorrect.
 2. The NGSB address on the adoption notice is incorrect.
 3. The point of contact data for DLA Land and Maritime is also incorrect and needs to be updated.
 4. The Air Force custodian has changed from code 11 to code 85.

A proposed updated notice highlighting these errors is included as attachment 3.

IV. **CONCLUSION:** The DoD document that IPC–TM–650 number 2.3.16.1 was referenced by, MIL–S–13949, is now canceled. IPC–TM–650 number 2.3.16.1 is no longer needed for DoD standardization purposes.

V. **RECOMMENDATION:** The adoption notice should be updated to the current format and the mistakes corrected. Since there is no plan in the future for the DoD to cover base materials in any standardization documents, and the fact that IPC–TM–650 number 2.3.16.1 is not referenced in any DoD standardization document, a project should be initiated to investigate the withdrawal of adoption of IPC–TM–650 number 2.3.16.1.

: NOTICE OF :
: ADOPTION :

ADOPTION NOTICE 1
23 August 1989 for
IPC-TM-650
Method 2.3.16.1B
May 1986

IPC-TM-650, Method 2.3.16.1B was adopted on 23 August 1989 and is approved for use by the Department of Defense (DoD). The Institute for Interconnecting and Packaging Electronic Circuits (IPC) prepared the document. IPC has furnished clearances required by existing regulations. Copies of this document are stocked by the DoD Single Stock Point, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120, for issue to DoD activities only. All other requestors must obtain documents from:

The Institute for Interconnecting and Packaging Electronic Circuits
7380 North Lincoln Avenue
Lincolnwood, IL 60646

Title of Document: Resin Content of Prepreg Material (Treated Weight)

Date of Specific Issue Adopted: May 1986

Releasing Non-Government Standards Body: The Institute for Interconnecting and Packaging Electronic Circuits

Custodians: Military Coordinating Activity
Army - ER Army - ER
Navy - EC
Air Force - 85 (Project 5998-0008-14)

Review Activities:
Army - AT, AR, CR, EA, ME, MI
Air Force - 15, 17, 99

FSC 5998

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ADOPTION NOTICE

IPC-TM650.2.3.16.1, "Resin Content of Prepreg Material (Treated Weight)", was adopted on 23-AUG-1989 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Defense Supply Center Columbus, P.O. Box 3990, Attn: DSCC-VAC, Columbus, OH 43216-5000. Copies of this document may be purchased from the IPC - Association Connecting Electronics Industries, 2215 Sanders Road, Northbrook, Illinois 60062-6135. <http://www.ipc.org/>

Custodians:

Army - CR
Navy - EC
Air Force - 11

Adopting Activity:

DLA - CC

Reviewer Activities:

Air Force - 19, 99
Army - AR, AT, CR4, EA

NOTE: The activities above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.

ADOPTION NOTICE

IPC–TM–650 number 2.3.16.1, "Resin Content of Prepreg Material by Treated Weight (Treated Weight)", was adopted on 23 AUG August 1989 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Defense Supply Center Columbus, P.O. Box 3990, Attn: DSCC-VAC, Columbus, OH 43216-5000. DLA Land and Maritime, ATTN: VAC, P.O. Box 3990, Columbus OH 43218-3990 or 5998.Documents@dla.mil. Copies of this document may be purchased from the IPC – Association Connecting Electronics Industries, 2215 Sanders Road, Northbrook, Illinois 60062-6135 3000 Lakeside Drive, Suite 309 S, Bannockburn, IL 60015-1249 or at URL: <http://www.ipc.org>.

Custodians:
Army – CR
Navy – EC
Air Force – 44 85
DLA – CC

Adopting Activity:
DLA – CC

Project: 5998–Year–NUM

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