ENGINEERING PRACTICES STUDY

PROJECT NUMBER: 5998-2007-033

TITLE:

Engineering Practices Study for Data Gathering for the purpose of Withdrawal of Adoption of Non-Government Standard Test Methods for Mechanical Tests of Laminates and Prepregs

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FINAL REPORT

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ATTCH 1

I. OBJECTIVES: The objective of this study was to obtain from the military user either comments or concurrence on the proposed withdrawal of adoption of four non-Government standards (NGS) published by the IPC – Association Connecting Electronics Industries (IPC). The four NGS documents that were reviewed for withdrawal of adoption are listed in attachment 1.

II. BACKGROUND: The four NGS documents, IPC-TM-650 test methods, were referenced and used by MIL-S-13949 for evaluating the mechanical properties of both laminates and prepreg materials. The four NGS documents are no longer needed for DoD use since MIL-S-13949 has been canceled without replacement.

III. RESULTS: An electronic mail message survey was sent to 20 Department of Defense and Government activities asking for their comments or concurrence concerning the withdrawal of the four NGS documents. All responses were in concurrence with the withdrawal of the four NGS documents. There were no negative or essential comments submitted.

IV. CONCLUSIONS: Based upon the fact that all responses were in concurrence with the withdrawal of the adoptions, notices should be prepared to withdraw the four NGS documents from Government use.

V. RECOMMENDATIONS: After this final report is coordinated with the activities that responded, DSCC-VAC will initiate standardization projects to prepare and issue notices of withdrawal for the four NGS documents.

Attachment for Project Number 5998-2007-033

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IPC-TM-650 Number	Rev	Title and URL	Date
2.4.4	B	Flexural Strength of Laminates (at Ambient Temperature) http://www.ipc.org/4.0_Knowledge/4.1_Standards/test/2.4.4b.pdf	12/94
2.4.4.2	A	Flexural Strength of Laminates (at Elevated Temperature) http://www.ipc.org/4.0_Knowledge/4.1_Standards/test/2.4.4.1a.pdf	12/94
2.4.8.2	A	Peel Strength of Metallic Clad Laminates at Elevated Temperature (Hot Fluid Method) http://www.ipc.org/4.0_Knowledge/4.1_Standards/test/2.4.8.2a.pdf	12/94
2.4.24	C	Glass Transition Temperature and Z-Axis Thermal Expansion by TMA http://www.ipc.org/4.0_Knowledge/4.1_Standards/test/2.4.24c.pdf	12/94