

ENGINEERING PRACTICE STUDY
PROJECT NUMBER: 5998-2009-046

TITLE:

Review of Non-Government Standard IPC-D-356
to Determine the Validity of Its DoD Adoption.

12 June 2009

FINAL REPORT

Prepared by:

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ATTCH 3

I. **OBJECTIVES:** The objective of this study was to review reference document sections of all Federal Stock Classes (FSC) documents for guidance on retaining non-Government standard IPC-D-356 as viable and appropriate for citing in electronic component standardization documents.

II. **BACKGROUND:** IPC-D-356, "Bare Board Electrical Test Information in Digital Form", was adopted on 6 August 1992 and the DoD notice of adoption has not been revised since that date. IPC-D-356 was developed and published its non-Government standard body (NGSB), the IPC – Association Connecting Electronics Industries. The NGSB committee responsible for IPC-D-356 does not meet regularly and has been inactive for many years. This study is part of a 5-year review of the DoD adoption notice for validity and accuracy, since the NGS document has already been adopted for use by the DoD.

III. **RESULTS:** A review using ASSIST to search for use of IPC-D-356 within DoD documents resulted in one direct reference by DoD standardization documents. The NGS is referenced in MIL-STD-1840 "Automated Interchange of Technical Information". IPC-D-356 is also used as a reference within various DoD adopted design standards for printed boards. IPC-D-356 also supports the DoD efforts to enhance the standardization of data circuit card assembly size. A review of the actual notice of adoption that is on the ASSIST web site uncovered mistakes in some of the information regarding out of date information for both the title of the NGS, the NGSB and the DSCC point of contact data, and the notice also needs to be brought up to the current document format.

IV. **CONCLUSION:** Based on its citation within MIL-STD-1840, its usage by design activities, printed board manufacturers, and contract service providers, IPC-D-356 is a valued design related document that benefits the DoD standardization program.

V. **RECOMMENDATION:** IPC-D-356, "Bare Substrate Electrical Test Data Format" (the current title of the NGS), should continue to be available for citing by DoD standardization documents and for acquiring activities. Therefore, the adoption notice for IPC-D-356 shall be retained as an active, valid document. Attachment 1 is the DSCC prepared notice of adoption submitted to DAPS in 1992. Attachment 2 is the document that is currently available on the ASSIST web site. An updated notice of adoption with should be generated and forwarded to DAPS with current NGSB and DoD contact data. Attachment 3 is a proposed draft highlighting the errors and corrections that should be made to the notice of adoption for IPC-D-356.

**NOTICE OF
ADOPTION**

**ADOPTION NOTICE 1
for
IPC-D-356**

IPC-D-356 was adopted on 06 August 1992 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, Standardization Document Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, 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: Bare Board Electrical Test Information in Digital Form

Date of Specific Issue Adopted: March 1992

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

CONCLUDING MATERIAL

Custodians:

Army - ER
Navy - EC
Air Force - 85

Review Activities:

Army - MI
Air Force - 99
Navy - NW

Military Coordinating Activity:

Army - ER

Agent:

DLA - ES

(Project 5998-0035)

AMSC N/A

FSC 5998

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ADOPTION NOTICE

IPC-D356, "BARE BOARD ELECTRICAL TEST INFORMATION IN DIGITAL FORM", was adopted on 06-AUG-92 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, US Army Communications Electronics Command and Fort Monmouth, Attn: AMSEL-LC-LEO-E-EP, Fort Monmouth, NJ 07703-5023. Copies of this document may be purchased from the IPC - Association Connecting Electronics Industries 2215 Sanders Road Northbrook, Illinois, United States, 60062-6135. <http://www.ipc.org/>

Custodians:

Army - CR
Navy - EC
Air Force - 11

Adopting Activity:

Army - CR

Reviewer Activities:

Army - MI
Navy - NW
Air Force - 99

ADOPTION NOTICE

IPC-D-356, "~~BARE BOARD ELECTRICAL TEST INFORMATION IN DIGITAL FORM~~ Bare Substrate Electrical Test Data Format", was adopted on ~~96-AUG-92~~ 6 August 1992 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: ~~Commander, US Army Communications Electronics Command and Fort Monmouth, Attn: AMSEL-LC-LEO-E-EP, Fort Monmouth, NJ 07703-5023~~ Defense Logistics Agency, Defense Supply Center Columbus, P.O. Box 3990, ATTN: DSCC-VAC, Columbus, OH 43218-3990. Copies of this document may be purchased from the IPC - Association Connecting Electronics Industries, ~~2215 Sanders Road, Northbrook, Illinois, United States, 60062-6135~~, 3000 Lakeside Drive, Suite 309 S, Bannockburn, IL 60015-1249 or <http://www.ipc.org>.

Custodians:

Army - CR
 Navy - EC
 Air Force - ~~14~~ 85
 DLA - CC

Adopting Activity:

~~Army - CR~~
 DLA - CC

Review Activities:

Army - MI
 Navy - NW
 Air Force - 99

NOTE: The activities listed 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/>.