

ENGINEERING PRACTICE STUDY
PROJECT NUMBER: 5998-2009-029

TITLE:

Review of Non-Government Standard (NGS) IPC-D-322
to Determine the Validity of Its DoD Adoption.

26 May 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-322 as viable and appropriate for citing in electronic component standardization documents.

II. BACKGROUND: IPC-D-322, "Guidelines for Selecting Printed Wiring Board Sizes Using Standard Panel Sizes", was adopted on 3 October 1994 and the DoD notice of adoption has not been revised since that date. IPC-D-322 was developed and published its non-Government standard body (NGSB), the IPC – Association Connecting Electronics Industries. The NGSB committee responsible for IPC-D-322 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-322 within DoD documents resulted in one direct reference by DoD standardization documents. The NGS is referenced in MIL-HDBK-1861. IPC-D-322 is also used as a reference within various DoD adopted design standards for printed boards. IPC-D-322 also supports the DoD efforts to enhance the standardization of 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of the actual notice of adoption that is on the ASSIST web site uncovered mistakes in some of the information regarding out of date information for both the NGSB and the DSCC point of contact and the notice also needs to be brought up to the current document format.

IV. CONCLUSION: Based on its citation within MIL-HDBK-1861, its usage by design activities, printed board manufacturers, and contract service providers, IPC-D-322 is a valued design related document that benefits the DoD standardization program.

V. RECOMMENDATION: IPC-D-322, "Guidelines for Selecting Printed Wiring Board Sizes Using Standard Panel Sizes", should continue to be available for citing by DoD standardization documents and for acquiring activities. Therefore, the adoption notice for IPC-D-322 shall be retained as an active, valid document. Attachment 1 is the DSCC prepared notice of adoption submitted to DAPS in 1994. 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-322.

IPC-D322

ADOPTION NOTICE

IPC-D322, "Guidelines for Selecting Printed Wiring Board Sizes Using Standard Panel Sizes," was adopted on October 3, 1994, for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, Defense Electronic Supply Center, Attn: DESC-ELVI, Wilmington Pike, Dayton, OH 45444. DoD activities may obtain copies of this standard from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. The private sector and other Government agencies may purchase copies from the Institute for Interconnecting and Packaging Electronic Circuits, 7380 North Lincoln Avenue, Lincolnwood, IL 60646-1776.

Custodians:
Army - ER
Navy - AS
Air Force - 10

Adopting Activity
DLA - ES

FSC 5998

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ADOPTION NOTICE

IPC-D322, "GUIDELINES FOR SELECTING PRINTED WIRING BOARD SIZES USING STANDARD PANEL SIZES", was adopted on 03-OCT-94 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-VAI, Columbus, OH 43216-5000. 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 - AS
Air Force - 11

Adopting Activity:

DLA - CC

ADOPTION NOTICE

IPC-D-322, "Guidelines for Selecting Printed Wiring Board Sizes Using Standard Panel Sizes", was adopted on ~~03 OCT 03~~ 3 October 1994 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Defense Logistics Agency, Defense Supply Center Columbus, P.O. Box 3990, ATTN: DSCC-~~VA~~VAC, Columbus, OH ~~43216-5000~~43218-3990. Copies of this document standard may be purchased from the IPC – Association Connecting Electronics Industries ~~2215 Sanders Road, Northbrook, IL 60062-6135~~, 3000 Lakeside Drive, Suite 309 S, Bannockburn, IL 60015-1249 or <http://www.ipc.org>.

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