

ENGINEERING PRACTICE STUDY
PROJECT NUMBER: 5998-2010-029

TITLE:

Review of Non-Government Standard IPC-QL-653
to Determine the Status and Validity of Its DoD Adoption.

24 December 2009

FINAL REPORT

Prepared by:

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ATTCH 3

I. **OBJECTIVES:** The objective of this study was to review section 2 (referenced documents) of all Federal Stock Classes (FSC) documents for guidance on retaining non-Government standard IPC-QL-653 as viable and appropriate for citing in electronic component standardization documents.

II. **BACKGROUND:** IPC-QL-653, "Qualification of Facilities That Inspect/Test Printed Boards, Components, and Materials", was adopted on 21 July 1989 for use by the DoD. The DoD notice of adoption has not been revised by DESC or DSCC since that date. IPC-QL-653 was developed and published by its non-Government standard body (NGSB), the IPC – Association Connecting Electronics Industries. IPC-QL-653 has not been revised since 1997 and the NGSB committee responsible for IPC-QL-653 has not met in a number of years. However, DSCC attends the meetings when the committee does meet to assist in keeping the document current and to monitor its content and status. This study is part of a 5-year review of the DoD adoption notice for IPC-QL-653 to gauge its usage, validity and accuracy, since the NGS document has already been adopted for use by the DoD.

III. **RESULTS:** A review of the actual notice of adoption that is on the ASSIST web site uncovered mistakes in the information on the actual notice. Some of the mistakes are in regards to the title of the NGS, the point of contact data for both the NGSB and DSCC, and the notice also needs to be brought up to the current document format. A review using ASSIST to search for use of IPC-QL-653 within DoD documents resulted in one direct reference by a DoD standardization document. The NGS is referenced in MIL-P-50884 "Printed Wiring Board, Flexible or Rigid-Flex, General Specification for" (FSC 5998). However, IPC-QL-653 is proposed for citation in the draft of MIL-PRF-31032B "Printed Circuit Board/Printed Wiring Board, General Specification for" (FSC 5998) and the draft of MIL-PRF-55110H "Printed Wiring Board, Rigid, General Specification for" (FSC 5998).

The following is a compilation of the errors in the adoption notice on the ASSIST web site:

- a. The NGSB address on the adoption notice is incorrect.
- b. The title of NGS is incorrect.
- c. The point of contact data for DSCC is also incorrect and needs to be updated.
- d. The Air Force custodian has changed from code 11 to code 85.

IV. **CONCLUSION:** Based on its citation in the DoD standardization document listed in section III above, and its future inclusion in two other DoD standardization documents, IPC-QL-653 is a valued document that benefits the DoD standardization program.

V. **RECOMMENDATION:** IPC-QL-653, "Certification of Facilities That Inspect/Test Printed Boards, Components, and Materials" (the current title of the NGS), should continue to be available for citing by DoD standardization documents. Therefore, the adoption notice for IPC-QL-653 shall be retained as an active, valid document. Attachment 1 is the DECC prepared notice of adoption submitted to DAPS in 1989. 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-QL-653.

NOTICE OF
ADOPTION

ADOPTION NOTICE 1
21 July 1989 for
IPC-QL-653
August 1988

IPC-QL-653 was adopted on 21 July 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 N. Lincoln Avenue
Lincolnwood, Illinois 60646

Title of Document: Qualification of Facilities that Inspect/Test Printed Boards, Components, and Materials

Date of Specific Issue Adopted: August 1988

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 5998-0003)

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

ADOPTION NOTICE

IPC-QL653, "FACILITIES THAT INSPECT/TEST PRINTED BOARDS, COMPONENTS, AND MATERIALS, QUALIFICATION OF", was adopted on 21-JUL-89 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 - EC
Air Force - 11

Adopting Activity:

DLA - CC

Reviewer Activities:

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

FSC 5998

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ADOPTION NOTICE

IPC-QL-653, "FACILITIES THAT INSPECT/TEST PRINTED BOARDS, COMPONENTS, AND MATERIALS, QUALIFICATION OF" Certification of Facilities That Inspect/Test Printed Boards, Components, and Materials", was adopted on 21 JUL 89 21 July 1989 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, DSCC-VAC, Columbus, OH 43216-5000 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, IL 60062-6135 3000 Lakeside Drive, Suite 309 S, Bannockburn, IL 60015-1249 or <http://www.ipc.org>.

Custodians:

Army - CR
Navy - EC
Air Force - 44 85
DLA - CC

Adopting Activity:

DLA - CC

Project: 5998-2010-000

Review Activities:

Army - AR, AT, CR4, EA
Air Force - 19, 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 <https://assist.daps.dla.mil/>.