

ENGINEERING PRACTICE STUDY
PROJECT NUMBER: 5998-2009-002

TITLE:

Review of Non-Government Standard (NGS) IPC-9191
to Determine the Validity of Its DoD Adoption.

01 October 2008

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-9191 as viable and appropriate for citing in electronic component standardization documents.

II. BACKGROUND: IPC-9191, "General Guidelines for Implementation of Statistical Process Control (SPC)", was adopted on 26 February 2003 and the DoD notice of adoption has not been revised since that date. IPC-9191 was developed and published its non-Government standard body (NGSB), the IPC – Association Connecting Electronics Industries. The NGSB committee responsible for IPC-9191 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-9191 within DoD documents resulted in no direct references by DoD standardization documents. This fact is acceptable. IPC-9191 is primarily used as a reference for printed board manufacturers and contract service providers to implement SPC in their production environment. IPC-9191 also supports the DoD efforts to enhance the quality of printed boards produces to performance specifications MIL-PRF-31032, MIL-PRF-55110, and MIL-P-50884. 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of the actual notice of adoption that is on the ASSIST web site uncovered mistakes in some of the information regarding out of date information for both the NGSB and the DSCC point of contact.

IV. CONCLUSION: Based on its usage by printed board manufacturers and contract service providers, IPC-9191 is a valued acquisition document that benefits the DoD standardization program.

V. RECOMMENDATION: IPC-9191, "General Guidelines for Implementation of Statistical Process Control (SPC)", should continue to be available for citing by DoD standardization documents and for acquiring activities. Therefore, the adoption notice for IPC-9191 shall be retained as an active, valid document. Attachment 1 is the DSCC prepared notice of adoption submitted to DAPS. Attachment 2 is the document that is available on the ASSIST web site. An updated notice of adoption with should be 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-9191.

ADOPTION NOTICE

IPC-9191, "General Guidelines for Implementation of Statistical Process Control (SPC)", was adopted on 26 February 2003 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.

Custodians:

Army – CR
Navy – EC
Air Force – 11
DLA – CC

Adopting Activity:

DLA – CC

(Project 5998–0136–01)

Reviewer Activity:

Army – MI

ADOPTION NOTICE

IPC-9191, "Statistical Process Control (SPC), Implementation of", was adopted on 26-FEB-03 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 Institute for Interconnecting and Packaging Electronic Circuits, 2215 Sanders Road, Northbrook, IL 60062-6135. <http://www.ipc.org/>

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Reviewer Activities:

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Custodians:
Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

Project: 5998-0136-01

Review activities:
Air Force - MI

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/>.