

ENGINEERING PRACTICE STUDY  
PROJECT NUMBER: 5998-2010-036

TITLE:

Review of Non-Government Standard IPC-QF-143  
to Determine the Validity of Its DoD Adoption.

DATE:

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FINAL REPORT

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I. **OBJECTIVES:** The objective of this study was to perform a 5-year review of the DoD adoption notice for the non-Government standard (NGS) IPC-QF-143 "Specification for Finished Fabric Woven from Quartz (Pure Fused Silica) for Printed Boards". Since the NGS document has already been adopted for use by the DoD, the review will check for any need to retain the NGS document and the accuracy of the information on the published DoD adoption notice.

II. **BACKGROUND:** The NGS document, IPC-QF-143, was adopted on 17 March 1993 for use in MIL-S-13949. IPC-QF-143 covers the requirements and testing of woven quartz reinforcement material used in the manufacturing of base material and prepregs. IPC-QF-143 was developed and published its non-Government standard body (NGSB), the IPC – Association Connecting Electronics Industries.

III. **RESULTS:** An ASSIST query for usage of IPC-QF-143 revealed that the NGS is not referenced in any DoD standardization documents at this time.

IV. **CONCLUSION:** The DoD standardization document that IPC-QF-143 was adopted for use in, MIL-S-13949, was canceled without replacement. Therefore, IPC-QF-143 is no longer needed for DoD standardization purposes.

V. **RECOMMENDATION:** Since there is no plan in the future for the DoD to cover base materials in any standardization documents, and the fact that IPC-QF-143 is not referenced in any DoD standardization document, a project should be initiated to investigate the withdrawal of the DoD adoption of IPC-QF-143.