

ENGINEERING PRACTICES STUDY

PROJECT NUMBER: 5985-2008-017

TITLE:

Review of Non-Government Standard (NGS) IEEE145 to Determine if it is still Valid as a Reference Document for Adoption by DoD.

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FINAL REPORT

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ATTCH 1

I. **OBJECTIVE:** The objective of this study was to review reference document sections of FSC 5985 documents for guidance on retaining non-government standard IEEE145 as viable and appropriate for citing in electronic component government standardization documents. IEEE145 is published by the Institute of Electrical and Electronics Engineers, Inc. and remains active within that association. This effort is part of a belated 5-year review of the NGS adoption notice for current validity and accuracy, since this NGS document has already been DoD adopted.

II. **BACKGROUND:** IEEE145, "Definitions of Terms for Antennas", was adopted on 30 September 1985 and the adoption notice has not been revised since. No citing documents were found.

III. **RESULTS:** A review of potential DoD documents suspected as referencing IEEE145, ones involving antennas and antenna systems, discovered that no documents actually cite IEEE145. Despite the absence of references currently, the technical content of IEEE145 was found to be important for preparing activities and users of antenna-related military specifications. Addresses and format changes within the adoption notice are proposed for DAPS incorporation.

IV. **CONCLUSIONS:** Based on potential usage by DSCC and its importance as a reference document for personnel, IEEE145 is a valued reference document for use in standardization documents and in acquisition.

V. **RECOMMENDATIONS:** IEEE145, "Definitions of Terms for Antennas", should continue to be available for citing by DoD standardization documents and for acquisition personnel. Therefore, the adoption notice for IEEE145 is retained as active, with recommended updates to adoption notice addresses and format being proposed to DAPS for incorporation.