P1302

Submitter Email: apd@dmu.ac.uk
Type of Project: Revision to IEEE Standard 1302-2008
PAR Request Date: 04-Nov-2013
PAR Approval Date: 27-Mar-2014
PAR Expiration Date: 31-Dec-2018
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 1302-2008

1.1 Project Number: P1302
1.2 Type of Document: Guide
1.3 Life Cycle: Full Use

2.1 Title: Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DC to 40 GHz

Changes in title: ~~IEEE~~ Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DC to ~~18~~40 GHz

3.1 Working Group: Working Group for Electromagnetic Characterization of Conductive Gaskets (EMC/SDCom/WG1302)
Contact Information for Working Group Chair
Name: Johan A Catrysse
Email Address: johan.catrysse@khbo.be
Phone: +3259569034
Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Electromagnetic Compatibility Society/Standards Development Committee (EMC/SDCom)
Contact Information for Sponsor Chair
Name: Alistair Duffy
Email Address: apd@dmu.ac.uk
Phone: +44(0)116 257 7056
Contact Information for Standards Representative
Name: Alistair Duffy
Email Address: apd@dmu.ac.uk
Phone: +44(0)116 257 7056

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 04/2016
4.3 Projected Completion Date for Submittal to RevCom: 02/2017

5.1 Approximate number of people expected to be actively involved in the development of this project: 15
5.2 Scope: The scope of this guide is to provide manufacturers of gaskets and designers of electronic systems appropriate methods for the characterization of gaskets. This document will guide the user in the selection of the appropriate test method in order to determine the level of electromagnetic shielding provided in the intended application.

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5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: The purpose of this guide is to provide guidance on the strengths and weaknesses of each of the recommended methods, and provide in-depth documentation for each method. Therefore, it identifies limitations and sources of errors of the commonly accepted techniques for measuring gaskets, and provides a basis for comparing the various accepted techniques. It encompasses measurements of the as-installed behavior of gaskets as well as manufacturing-related quality control measurements. Special attention is also given to test methods for small samples of gaskets (also above 1 GHz), correlation between different methods, and to identify possible measuring methods for near-field characterization of gaskets [as used on printed circuit board (PCB) board applications].

5.5 Need for the Project: The Guide is currently widely used and a revision to extend the upper frequency of operation will account for recent developments in technology and help ensure that the standard continues to be used.

5.6 Stakeholders for the Standard: Electronic systems designers
EMI mitigation manufacturers

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

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7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
Is it the intent to develop this document jointly with another organization?: No

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8.1 Additional Explanatory Notes (Item Number and Explanation): 1302 is approaching the end of its validity period and needs revision because it is currently a widely used Guide.