PAR FORM

06/18/01

PAR Status: Revision PAR

1. Sponsor Date of Request: 11/30/2000

2. Assigned Project Number: 1302

3. PAR Approval Date: 06/14/2001

PAR Signature Page on File: Yes

4. Project Title and Working Group/Sponsor for this project Document type and title:

Document type: Guide for

Title: Guide for the Electromagnetic Characterisation of Conductive Gaskets in the frequency range of DC to 18 GHz

Name of Working Group (WG): P1302

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5. Type of Project:

5a. Is this an update to an existing PAR? No

5b. The project is a: Revision of Std. 1302-1998

6. Life Cycle: Full Use

7. The type of ballot is: Individual Sponsor Ballot

Expected Date of Submission for Initial Sponsor Ballot: 05/31/2003

8. Fill in Projected Completion Date for Submittal to RevCom: 12/31/05

9. Scope of Proposed Project:

The scope of the proposed project is to provide manufacturers of gaskets and designers of electronic systems appropriate methods for the characterization of gaskets. It will guide the user in the selection of the appropriate test method in order to determine the level of shielding provided in the intended application.

10. Purpose of Proposed Project:

In the current version of Std. 1302, the following items are not covered:
- frequency range over 1 GHz, where only small samples are available (and hence not applicable for MIL STD 285 versions
- test methods for small gaskets under near field conditions for INTRA-SYSTEM shielding
- correlations between DC tests, Transfer Impedance and shielding methods

Some methods in the actual text are only mentioned, but not discussed in depth.

This revision proposes to provide additional guidance on the strengths and weaknesses of each of the methods recommended, and provide an in-depth documentation for each method. Thus the proposed revision will specifically:
- identify possible measuring methods for small samples of gaskets (including over 1 GHz)
- correlation between different methods for characterization of gaskets, such as DC resistance, transfer impedance and different shielding measurement methods
- identify possible measuring methods for near field characterization of gaskets, for use in intra-system applications (typically on PCB boards)

11. Intellectual Property

Has the sponsor reviewed the IEEE Patent policy with the Group? Yes

Are you aware of the possibility of any copyrights relevant to this project? No

Are you aware of the possibility of any trademarks relevant to this project? No

Are you aware of possible registration of objects or numbers due to this project? No

12. Are you aware of other standards or projects with a similar scope? No

13. Will this standard (in part or in whole) be submitted to an international organization for consideration/Adoption? Do Not Know

If yes, please answer the following question:

Which International Organization/Committee?

International Contact Information:

14. Is this project intended to focus on health, safety environmental issues? No

15. Mandatory Coordination:

SCC10 (IEEE Dictionary) by Circulation of Drafts
IEEE Staff Editorial Review by Circulation of Drafts
SCC14 (Quantities, Units and Letter Symbols) by Circulation of Drafts

16. Additional Explanatory Notes:(Item Number and Explanation)