P299.1

Submitter Email: stephen.berger@ieee.org
Type of Project: New IEEE Standard
PAR Request Date: 02-Aug-2006
PAR Approval Date: 15-Sep-2006
PAR Expiration Date: 31-Dec-2012
Status: PAR for a New IEEE Standard
Project Record: P299.1

1.1 Project Number: P299.1
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having all Dimensions Between 0.1 m and 2 m

3.1 Working Group: Working Group for Electromagnetic Shielding Enclosures (EMC/SDCom/WG299)
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3.2 Sponsoring Society and Committee: IEEE Electromagnetic Compatibility Society/Standards Development Committee (EMC/SDCom)
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 09/2009
4.3 Projected Completion Date for Submittal to RevCom: 09/2010

5.1 Approximate number of people expected to be actively involved in the development of this project: 15
5.2 Scope: This project will develop an IEEE standard defining shielding effectiveness test procedures for small enclosures and boxes having linear dimensions between 0.1 m and 2 m, in the radio-frequency frequency range.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: The purpose of this standard is to provide a standard test procedure for the measurement of the effectiveness of shielded enclosures and boxes having all dimensions between 0.1 m and 2 m in the radio-frequency range.

5.5 Need for the Project: The current IEEE Std 299 does not address the measurement of the shielding effectiveness of enclosures having minimum linear dimension smaller than 2 m. This project focuses on the test procedures for measuring the shielding effectiveness of small enclosures and boxes having linear dimensions between 0.1 m and 2 m, only. This is a sub-class of the enclosure not covered by the existing IEEE Std. 299; in fact, problems occurring in the testing of small enclosures, having linear dimension less than 2 m, are very different and broad depending of the actual size of the enclosure itself. Different size of small enclosures will be the scope of further projects.

5.6 Stakeholders for the Standard: This project focuses on the test procedures for measuring the shielding effectiveness of small enclosures and boxes, having linear dimensions between 0.1 m and 2.00 m, only. This is a sub-class of the enclosures not covered by the existing IEEE Std. 299. The testing of small enclosures, having linear dimension less than 2 m, is problematic and very different from testing large rooms. Testing of other ranges small enclosures will be the scope of further projects.
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

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

8.1 Additional Explanatory Notes (Item Number and Explanation):