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09 May 2007

Michael H Francis
National Inst. of Standards & Technology
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Re: P1720 - Recommended Practice for Near-Field Antenna Measurements

Dear Michael:

I am pleased to inform you that on 07 May 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2011. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1720.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 05 August 2007.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
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PAR Request Date: 02 March 2007**PAR Approval Date:** 07 May 2007**PAR Signature Page on File:** Yes**Type of PAR:** New IEEE Standard**Status:** PAR for a New IEEE Standard**Root Project:****1.1 Project No.:** 1720**1.2 Type of Document:** Recommended Practice**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Recommended Practice for Near-Field Antenna Measurements

3.1 Working Group Name [Near-Field Antenna Measurements](#)**Working Group Chair**[Francis, Michael H](#)

Phone: 303 497 5873

Email: francis@boulder.nist.gov

Working Group Vice Chair**3.2 Sponsor** [IEEE Antennas and Propagation Society Antennas \(APS/A\)](#)**Sponsor Chair**[Francis, Michael H](#)

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Name of Standards Liaison Representative (if applicable)**3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** September 2010**4.3 Projected Completion Date for Submittal to RevCom:** February 2011**5.1 Approximate number of people expected to work on this project:** 20

5.2 Scope: This document describes recommended near-field test practices for the measurement of antenna properties. It provides information on developments in near-field measurements that have occurred since the approval of IEEE Std 149-1979 (IEEE Standard Test Procedures for Antennas). This document recommends near-field measurement practices for the three principal geometries: cylindrical, planar, and spherical, and also recommends measurement practices for the calibration of probes used as reference antennas in near-field measurements.

5.3 Is the completion of this document contingent upon the completion of another document? No

5.4 Purpose: The purpose of this recommended practice document is to provide practical guidance to those who are planning to do near-field measurements. This document also specifies capabilities required of a near-field measurement system.

5.5 Need for the Project: Near-field antenna measurements have become one of the two predominant methods of characterizing satellite borne antennas (prior to their launch). This method is frequently used in characterizing high performance radar antennas and becoming more common in use for characterizing PCS antennas. There is widespread use of the near-field measurement methods, but there exists limited coverage of the topic. This PAR will address these technical needs as identified by industry and academia.

5.6 Stakeholders for the Standard: The stakeholders include manufacturers of near-field antenna measurement systems, users of near-field antenna measurement systems (especially in the telecommunications, aerospace and defense industries, and government and academic laboratories).

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes Presented Date: 2006-10-24

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No

If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? No

Technical Committee Name and Number:

Contact person:

Contact person Phone Number:

Contact person Email Address:

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: