CHAMPIONS REPORT FOR P473

Bob Munzner - Approve. I believe this project should be approved, but for the record, I suggest some additional information be included:
1. The last document referenced is IEEE 473 - 1985. What was the status of this standard since 1990. Was it re-affirmed or withdrawn?
2. The Scope of the Project states clearly the scope of the work to be undertaken; however, some members of NesCom feel that this element should restate the scope of the document that is being revised, as well. I suggest the scope of the standard be reiterated under item 9.

Stephen Berger - 473 has been regularly reaffirmed since its original adoption. The last reaffirmation was in 1997. The revision is being proposed now so as to be complete before the next 5 year cycle ends in 2002.

I can agree to the original scope being added to the revision scope on the PAR form. However, I am traveling on business and do not have that language on my laptop. Jodi, could you provide this as Bob suggests?

Don Zipse - I also would like to know the status since 1990.

Stephen Berger - Standard 473 has been regularly reaffirmed since its first adoption. It was last reaffirmed in 1997. We initiated this revision effort with the intent that it be completed before the next required reaffirmation in 2002.

Printed for Jodi

SBerger822@aol.com

03/16/01 05:28 PM

To: j.haasz@ieee.org
cc:
Subject: Revised PAR 473

Jodi,

Attached is a revised PAR for 473. At our review of this PAR this week the EMC Society SDCom decided that the scope was too detailed and should be made more brief. That is all that was changed in this revision. So the only change is that the scope is more succinct that on the original PAR.

Stephen

 - par_473_-_revised_-_001122.doc

PAR FORM

04/17/01

PAR Status: Revision PAR

1. Sponsor Date of Request: March 5, 2001

2. Assigned Project Number: 473

3. PAR Approval Date: 00/00/00

PAR Signature Page on File: Yes

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

Document type: Recommended Practice for

Title: Recommended Practice for an Electromagnetic Site Survey (10 kHz to 10 GHz)

Name of Working Group (WG): 473

Name of Official Reporter: Elya Joffe
Telephone: 972-976-57065 **FAX:** 972-976-57065
Email: eb.joffee@ieee.org

Name of Working Group Chair: (if different than Reporter)
Telephone: **FAX:**
Email:

Name of Sponsoring Society and Committee: EMC/SC

Name of Sponsoring Committee Chair: H. Stephen Berger
Telephone: 512-657-6147 **FAX:** 512-869-8709
Email: stephen.berger@ieee.org

Name of Laison Rep.(If different than Sponsor Chair): H. Stephen Berger
Telephone: 512-657-6147 **FAX:** 512-869-8709
Email: stephen.berger@ieee.org

5. Type of Project:

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

5b. The project is a: Revision of Std. 473-1985

6. Life Cycle: Full Use

7. The type of ballot is: Individual Sponsor Ballot
Expected Date of Submission for Initial Sponsor Ballot: 03/31/2002

8. Fill in Projected Completion Date for Submittal to RevCom: 8/31/04

9. Scope of Proposed Project:

The Standard requires revision, in several areas: a) Revision/extension of the standard from 10 GHz to 40 GHz; b) Updating the Standard to incorporate references to modern test and measurement equipment; c) Modifying the Standard to include time domain characteristics of time-variable waveforms.

10. Purpose of Proposed Project:

This standard which has served a very useful purpose is now dated and in need of revision. The purpose of this revision is to make the standard reflective of current test instrumentation, measurement techniques and measurement environments.

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? No

If yes, please answer the following question:

Which International Organization/Committee?

International Contact Information:

Name:

Address:

Phone/FAX:

Email:

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)

29 September 1972

Donald R. White
Route #2 Box 76
Springfield Drive
Germantown, MD 20767

Dear Mr White:

On 20 September 1972, the IEEE Standards Committee approved Standards Project No. P473, Proposed Recommended Practice for Electromagnetic Ambient Site Surveying, as submitted.

The designation number assigned to each project is the IEEE number that will identify it up to final approval as an IEEE Standards Publication. The number should be used on all draft documents and in all references to the project in committee minutes, reports, and ballots. Drafts of the document shall be identified by this number, followed by a solidus (/), the letter D, and the number 1 for the first draft, 2 for the second, etc. The date of preparation of the draft should be shown immediately below the number, where practicable.

Example: P473/D5
October 5, 1978

In those cases where a project results in more than one standard, documents shall be numbered by adding a decimal point followed by a consecutive number for each additional document.

Example: P473.1/D2
October 17, 1979

Draft documents should not carry the letters IEEE before the designation number, nor should IEEE be included in the title.

Example: Standard Inspection and Testing Requirements for Frequency-Selective, Non-Resonant Solid-State Modular Microstabilizers

Do not begin titles of drafts with such phrases as: IEEE Proposed Standard; IEEE Draft Standard; IEEE Trial-Use Method; etc.

IEEE STANDARDS PROJECT AUTHORIZATION Date 4/24/72

473

1. Title of Project:
Proposed Recommended Practice for Electromagnetic Ambient Site Surveying.

2. Scope and Purpose of Proposed Standard:

See Attached Detailed Description

3. [XX] New Standard [ ] Revised Standard

4. Bodies with which coordination is proposed, and method of coordination:
Coordination with groups on antennas and propagation power system and other groups having an interest in electromagnetic site surveys is proposed after approval of the project

5. Sponsoring Group or Technical Committee:

GEMC

6. Estimated Schedule:
See Detailed Description

7. Person delegated to receive requests for coordination from other interested bodies:

✓ Donald R. White
Name
Route # 2 Box 76
Springfield Drive
Street Address
Germantown, Maryland 20767
City State Zip Code

8. Name of working group that will write the standard:

Uniform Reporting of Electromagnetic Environment

FOR STANDARDS COMMITTEE USE ONLY:

Approved by IEEE Standards Committee on _____ Project No.

Comments:

For IEEE Standards Committee

8 November 1971

Proposed EMC Recommended Practices for ELECTROMAGNETIC AMBIENT SITE SURVEYING

Definition (tentative):

Electromagnetic Ambient Site Surveys are parametric documentations of field measurements performed for the purpose(s) of establishing either site EM noisiness or emission monitoring (see below) or both. The surveys exclude high-power measurements associated with radiation hazards to humans and ordnance (levels below 10V/m). The surveys may cover all or part of the 60Hz to 40GHz frequency spectrum, involve measuring high impedance electric fields, low impedance magnetic fields (for distances for which $d<\lambda/2\pi$) and/or electromagnetic fields ($d>\lambda/2\pi$). Site measurement intervals may range from instantaneous (e.g., 1 second) to one month or longer.

Requirement Justification:

There exists a wide disparity in performing EM site surveys and in reporting results. A search of the literature indicates that no two surveys performed by different entities is measured and reported in the same parameter and condition domain. Thus, comparison of results and building of a scientific or technological data base is very difficult. Furthermore, many site surveys do not result in establishing a set of data which are technologically sound and pertinent for comprehensive and valid decision making.

Basic Purpose of EM Ambient Site Surveys:

The purpose for performing EM site surveys may be divided into two classes of objectives:

(1) Establish Absolute and/or Relative Site Noisiness in order to:

Select quiet portion(s) or bands within the spectrum for frequency assignment of existing or proposed transmitters and/or receivers

Select competitive pieces of real estate for locating C-E antenna(s) or antenna form.

(2) Emission Monitoring for:

Frequency Monitoring Interference Control