

P473

Submitter Email: ckiger@ams-corp.com

Type of Project: New IEEE Standard

PAR Request Date: 21-Apr-2016

PAR Approval Date: 30-Jun-2016

PAR Expiration Date: 31-Dec-2020

Status: PAR for a New IEEE Standard

1.1 Project Number: P473

1.2 Type of Document: Recommended Practice

1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for an Electromagnetic Site Survey (10 kHz to 40 GHz)

3.1 Working Group: Electromagnetic Site Survey Working Group (EMC/SDCom/WG473)

Contact Information for Working Group Chair

Name: Chad Kiger

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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

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Name: Edward Hare

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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: 04/2019

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2019

5.1 Approximate number of people expected to be actively involved in the development of this project: 12

5.2 Scope: This recommended practice sets the framework for performing an Electromagnetic (EM) Site Survey in the frequency range of 10 kHz to 40 GHz. The EM Site Survey is intended to be a systematic, documented investigation of the measurable characteristics of the electromagnetic fields at one or more frequencies and locations as necessary during a designated time period, which yields results that are interpretable and communicable among subsequent investigators.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: The purpose of this Recommended Practice is to provide the necessary background, guidance and methodology necessary to plan an electromagnetic site survey, perform the survey, document the results, and analyze its outcome. This new standard is based on the previously withdrawn IEEE Std 473-1985. It uses the core of IEEE Std 473-1985 but is updated to reflect the current test instrumentation, measurement techniques, and measurement environments.

5.5 Need for the Project: There is currently no active standard that provides guidance for performing an EM Site Survey.

5.6 Stakeholders for the Standard: Facility owners and operators, equipment manufacturers and installers, test facilities.

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?: Yes

Organization: ANSI

Technical Committee Name: Immunity Testing and Measurements

Technical Committee Number: SC5 - C63.24

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8.1 Additional Explanatory Notes: Type of Project: A new version of the IEEE Standard 473-1985.