P356

Submitter Email: vikass.monebhurrun@supelec.fr
Type of Project: Revision to IEEE Standard 356-2010
PAR Request Date: 26-Sep-2016
PAR Approval Date: 07-Dec-2016
PAR Expiration Date: 31-Dec-2020
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 356-2010

1.1 Project Number: P356
1.2 Type of Document: Guide
1.3 Life Cycle: Full Use

2.1 Title: Guide for Measurements of Electromagnetic Properties of Earth Media

Changes in title: ~~IEEE~~ Guide for Measurements of Electromagnetic Properties of Earth Media

3.1 Working Group: Earth Media Properties Measurements (APS/SC/WG_356)
Contact Information for Working Group Chair
Name: Jaideva Goswami
Email Address: jcgoswami@ieee.org
Phone: 2813025323
Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Antennas and Propagation Society/Antennas and Propagation Standards Committee (APS/SC)
Contact Information for Sponsor Chair
Name: Vikass Monebhurrun
Email Address: vikass.monebhurrun@supelec.fr
Phone: +33169851544
Contact Information for Standards Representative
None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2019
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2020

5.1 Approximate number of people expected to be actively involved in the development of this project: 10
5.2 Scope: The scope of the project is to cover measurements of the electrical properties of naturally occurring solids. Not covered are methods that rely on mapping earth structure anomalies unless directly related to electrical properties. There is limited coverage of numerical methods for forward/inverse modeling.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This document is needed for ground plane assessment for locating antennas; formation mapping to obtain geological information; assessment of ore-grade quality, moisture content, salinity; propagation prediction and studies; aquifer studies for water search, nuclear waste disposal, dam location; ground-penetrating radar research; prospecting.

5.5 Need for the Project: Some additional material will be added and some changes are required to clarify existing information.

5.6 Stakeholders for the Standard: The stakeholders are antenna and propagation engineers, geophysics community, through-earth communications people.

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: