

P656

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Type of Project: Revision to IEEE Standard 656-1992

PAR Request Date: 14-Dec-2015

PAR Approval Date: 03-Mar-2016

PAR Expiration Date: 31-Dec-2020

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 656-1992

1.1 Project Number: P656

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for the Measurement of Audible Noise from Overhead Transmission Lines

Changes in title: ~~IEEE~~ Standard for the Measurement of Audible Noise from Overhead Transmission Lines

3.1 Working Group: Corona and Field Effects (PE/T&D/TPC-Corona)

Contact Information for Working Group Chair

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3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Transmission and Distribution (PE/T&D)

Contact Information for Sponsor Chair

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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: 01/2017

4.3 Projected Completion Date for Submittal to RevCom: 10/2017

5.1 Approximate number of people expected to be actively involved in the development of this project: 8

5.2 Scope: This standard describes manual and automated procedures for measuring audible noise from overhead power transmission lines.

Changes in scope: This standard ~~covers~~ describes manual and ~~automatic~~ automated procedures for measuring audible noise measurements from overhead power transmission lines.

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 establish uniform procedures for the measurement of audible noise from overhead transmission lines, using instrumentation that conforms to ANSI S1.4, ANSI S1.6, ANSI/SAE J184, IEC 61672-1 and 61672-2, and IEEE Std 539. A uniform procedure is a prerequisite to valid evaluation and comparisons of the audible-noise performance of various overhead power transmission lines.

Changes in purpose: The purpose of this standard is to establish uniform procedures for the measurement of audible noise from overhead transmission lines, using instrumentation that conforms to ANSI S1.4-1983-~~[1]~~, ANSI S1.6-1984-~~[2]~~, ANSI/SAE J184-1987-~~[4]~~, IEC ~~65~~61672-1 (1979) and ~~[5]~~61672-2, and IEEE Std 539-1990-~~[7]~~. A uniform procedure is a prerequisite to valid evaluation and comparisons of the audible-noise performance of various overhead power transmission lines.

5.5 Need for the Project: The standard needs revised to account for any changes in referenced standards, equipment, etc. since last revised in 1992. The Corona and Field Effects Working Group voted to open a PAR for this work.

5.6 Stakeholders for the Standard: Electric utilities and consultants

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): 5.4: Applicable standard references:

ANSI S1.4: Specifications for Sound Level Meters

ANSI/ASA S1.6 - Preferred Frequencies, Frequency Levels, and Band Numbers for Acoustical Measurements

ANSI/SAE J 184 - Qualifying A Sound Data Acquisition System

IEC 61672-1 (Electroacoustics - Sound level meters - Part 1: Specifications)

IEC 61672-2 (Electroacoustics - Sound level meters - Part 2: Pattern evaluation tests)

IEEE 539 - IEEE Standard Definitions of Terms Relating to Corona and Field Effects of Overhead Power Lines