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**P1658**

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**Submitter Email:** s.j.tilden@ieee.org

**Type of Project:** Revision to IEEE Standard 1658-2011

**Project Request Type:** Initiation / Revision

**PAR Request Date:** 26 Apr 2018

**PAR Approval Date:** 14 Jun 2018

**PAR Expiration Date:** 31 Dec 2022

**PAR Status:** Active

**Root Project:** 1658-2011

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**1.1 Project Number:** P1658

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Project Title:** Standard for Terminology and Test Methods of Digital-to-Analog Converter Devices

**Change To Title:** ~~IEEE~~ Standard for Terminology and Test Methods of Digital-to-Analog Converter Devices

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**3.1 Working Group:** Digital-to-Analog Converter Devices(IM/WM&A/DAC)

**3.1.1 Contact Information for Working Group Chair:**

**Name:** Luca De Vito

**Email Address:** devito@unisannio.it

**3.1.2 Contact Information for Working Group Vice Chair:**

None

**3.2 Society and Committee:** IEEE Instrumentation and Measurement Society/TC10 - Waveform Generation Measurement and Analysis(IM/WM&A)

**3.2.1 Contact Information for Standards Committee Chair:**

**Name:** N Paulter

**Email Address:** nicholas.paulter@nist.gov

**3.2.2 Contact Information for Standards Committee Vice Chair:**

**Name:** William Boyer

**Email Address:** db1505@comcast.net

**3.2.3 Contact Information for Standards Representative:**

None

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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:**

Feb 2020

**4.3 Projected Completion Date for Submittal to RevCom:** Aug 2020

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 10

**5.2 Scope of proposed standard:** This standard defines terminology and test methods to clearly document prevalent world-wide terms used to describe and test digital-to-analog converters (DACs). It is restricted to monolithic, hybrid, and module DACs and does not cover systems encompassing DACs.

**5.3 Is the completion of this standard contingent upon the completion of another standard?** No

**5.4 Purpose:** This standard is written to clear up confusion relating to the terms and definitions concerning DACs. Test methods are defined with expected output and analysis of the data generated from these test methods.

Product specifications are defined in clear terms that will be understandable by all international users and manufacturers.

**5.5 Need for the Project:** This standard is still relevant and is up for renewal or will be removed. The working group will rework the existing standard using the current template and then reballot.

**5.6 Stakeholders for the Standard:** Industrial process control, telecom, audio, video

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**6.1 Intellectual Property**

**6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?**

No

**6.1.2 Is the Standards Committee aware of possible registration activity related to this project?**

No

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

**7.2 Is it the intent to develop this document jointly with another organization?** No

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**8.1 Additional Explanatory Notes :** This PAR is primarily needed to keep the standard current, closely resembling it's current state, which only requires resubmission and balloting in the latest IEEE template.