

# P1658

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

**PAR Request Date:** 26-Apr-2018

**PAR Approval Date:** 14-Jun-2018

**PAR Expiration Date:** 31-Dec-2022

**Status:** PAR for a Revision to an existing IEEE Standard

**Project Record:** P1658

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

**Changes in 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)

**Contact Information for Working Group Chair**

**Name:** Luca De Vito

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**Contact Information for Working Group Vice-Chair**

None

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

**Contact Information for Sponsor Chair**

**Name:** N Paulter

**Email Address:** [nicholas.paulter@nist.gov](mailto:nicholas.paulter@nist.gov)

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**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 Sponsor Ballot:** 02/2020

**4.3 Projected Completion Date for Submittal to RevCom**

**Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 08/2020**

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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:** 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 dependent 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 rebalot.

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

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## 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

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**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

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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.