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13 May 2004

Thomas Linnenbrink
Q-Dot Inc.
1069 Elkton Drive
Colorado Springs CO 80907
linnenbrink@qdot.com

Re: P1658 - Standard for Terminology and Test Methods of Digital-to-Analog Converter Devices

Dear Thomas:

I am pleased to inform you that on 13 May 2004 the IEEE-SA Standards Board approved the above referenced project until 31 December 2008. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1658.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at j.haasz@ieee.org no later than 11 August 2004.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
Program Manager
International Stds Programs and Governance
Standards Activities
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cc: tilden_steve@ti.com, daponte@unisannio.it

PAR FORM

PAR Status: New PAR

PAR Approval Date: 2004-05-13

PAR Signature Page on File: Yes

1. Assigned Project Number: 1658

2. Sponsor Date of Request: 2004-02-10

3. Type of Document: Standard for

4. Title of Document:

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

5. Life Cycle: Full-Use

6. Type of Project:

6a. Is this an update to an existing PAR? No

6b. The Project is a: New Standard

7. Working Group Information:

Name of Working Group: TC-10 sub-committee on Digital-to-Analog Converters

Approximate Number of Expected Working Group Members:15

8. Contact information for Working Group Chair:

Name of Working Group Chair: Steven J Tilden

Telephone: 520-746-7587 **FAX:** 520-746-6033

Email: tilden_steve@ti.com

9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:

Name of Co-Chair/Official Reporter, Project Editor or Document Custodian: Pasquale Daponte

Telephone: +39-082-430-5817 **FAX:** +39-082-421-866

Email: daponte@unisannio.it

10. Contact information for Sponsoring Society or Standards Coordinating Committee:

Name of Sponsoring Society and Committee: Instrumentation & Measurement Society TC10-Waveform Measurement and Analysis

Name of Sponsoring Committee Chair: Thomas Linnenbrink

Telephone: 719-590-1112x125 **FAX:** 719-590-1125

Email: linnenbrink@qdot.com

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: **FAX:**

Email:

Name of Co-Sponsoring Society and Committee:

Name of Co-Sponsoring Committee Chair:

Telephone: **FAX:**

Email:

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: **FAX:**

Email:

11. The Type of ballot is: Individual Sponsor Ballot

Expected Date of Submission for Initial Sponsor Ballot: 2007-08-09

12. Fill in Projected Completion Date for Submittal to RevCom: 2008-02-09

Explanation for Modified PAR that completion date is being extended past the original four-year life of the PAR:

13. Scope of Proposed Project:

This project will define the terminology and test methods to clearly document standard world-wide terms used to describe and test Digital to Analog Converters (DAC's). It will be restricted to monolithic, hybrid and module DAC's and not cover systems encompassing DAC's.

Is the completion of this document contingent upon the completion of another document? No

14. Purpose of Proposed Project:

This standard is being written to clear up confusion relating to the terms and definitions of DAC's. Test methods will be defined with expected output and analysis of the data generated from these test methods. Product specifications will be defined in clear terms that will be understandable by all international users and manufacturers.

14a. Reason for the standardization project:

With the strong shift in the world toward digital systems, there is an impending need for standardization of terminology and test methods for Digital-to-Analog Converters (DAC). To solve this problem, this group of industry experts want to generate an IEEE standard to clear up confusion between manufacturers, users and other industry bodies.

15. Intellectual Property:

Has the sponsor reviewed the IEEE patent policy with the working group? Yes

Is the sponsor aware of copyrights relevant to this project? No

Is the sponsor aware of trademarks relevant to this project? No

Is the sponsor aware of possible registration of objects or numbers due to this project? No

16. Are there other documents or projects with a similar scope? Yes

IEC 60748-4. This standard only covers static test methods and is very general in nature. No active project exists to update it to include dynamic test methods.

Similar Scope Project Information:

SimSponsor: IEC SimProjNo: 60748-4 SimProjD: 1997-04-15 SimTitle: Semiconductor Devices - Integrated Circuits - Part 4 Interface Integrated Circuits

17. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization? Yes

If yes, please answer the following questions:

Which International Organization/Committee? IEC TC47 SC47A WG4

International Contact Information? Steven J Tilden
Texas Instruments Inc.
6730 S Tucson Blvd
Tucson, AZ 85706
520-746-7587
520-746-6033
tilden_steve@ti.com

18. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain in five sentences or less.

19. Additional Explanatory Notes: (Item Number and Explanation)

