

IEEE-SA Standards Board Project Authorization Request (PAR) Form (2000-Rev 1)

Note: For use with help hyperlinks offline, download [guide.html](#) and [par2000.html](#) into the same directory. After completing this form, please e-mail it to the [NesCom Secretary](#).
[Instructions for Downloading the PAR Form](#)

**1. Sponsor Date
of Request**
[2000 08 03]

**2. Assigned Project
Number**
[P746]

**3. PAR Approval
Date**

Copyright release must be submitted with [appropriate signatures](#) by FAX (1-732-562-1571)

[...] PAR Signature Page on File {IEEE Staff to check box}

4. Project Title, Recorder and Working Group/Sponsor for this Project

Document type and title: {Place an X in only one option below}

- **Standard for**{document stressing the verb "shall" }
- **Recommended Practice for**{document stressing the verb "should" }
- **Guide for** {document in which good practices are suggested }

Title: [Standard for Performance Measurements of A/D and D/A Converters for PCM Television Video Circuits]

Name of Working Group (WG): [G2.1.4 Video Distribution Measurements Subcommittee]

Name of Official Reporter (usually the WG Chair) who must be an SA member as well as an IEEE/Affiliate Member: [Rick Redford]

IEEE-Standards Staff has verified that the Official Reporter (or Working Group Chair) is an IEEE and an IEEE-SA member: [...] (Staff to check box)

Contact Information:

Telephone [917-441-0105]

E-mail: [rick.redford@juno.com]

FA
X: [212-456-4451]

Name of Working Group Chair (if different than Reporter):

IEEE-Standards Staff has verified that the Working Group Chair is an IEEE and an IEEE-SA member:

Contact Information:

Telephone [917-441-0105]

E-mail: [rick.redford@juno.com]

[Rick Redford]
[...] (Staff to check box)

F
A [212-456-4451]
X:

Name of Sponsoring Society and Committee:

Name of Committee Sponsor Chair:

IEEE-Standards Staff has verified that the Sponsor is an IEEE and an IEEE-SA member:

Contact Information:

Telephone [732-846-4476]

[Audio/Video Techn. Committee, G-2.1]
[Alan S. Godber]

[...] (Staff to check box)

F
A [732-846-4476]

X
:

E-mail: [agodber@idt.net]

5. Type of Project

a. **Is this an update to an existing PAR?** [Yes/**NO**]

If YES, indicate PAR Number/Approval Date [P####-YEAR]

If YES, is this project in ballot now? [yes/no]

[Indicate changes/rationale for revised PAR in Item #16. This should be no more than 5 lines.]

b. **Choose one from the following:**

[...] New Standard

Revision of existing Standard {number and year} [IEEE Std. 746-1984]

[...] Amendment (Supplement) to an existing standard {number and year} [...]

[...] Corrigenda to an existing standard {number and year} [...]

6. Life Cycle

Full Use (5-year life cycle)

[...] Trial Use (2-year life cycle)

7. Balloting Information

Choose one from the following:

[...] Individual Sponsor Balloting

[...] Entity Sponsor Balloting

[] Mixed Balloting (combination of Individual and Entity Sponsor Balloting)

Expected Date of Submission for Initial Sponsor Ballot: [March 2001]

8. Fill in Projected Completion Date for Submittal to RevCom [Sept., 2001]

9. Scope of Proposed Project:

[This standard describes methods for measuring the performance of uniformly coded analog-to-digital (A/D) converters and digital-to-analog (D/A) converters for pulse code modulation (PCM) television video signals. This standard is intended primarily for CCIR System M, 525 line/60-field television circuits. The concept of the methods can be applied to others systems such as 625-line and HDTV.]

This project will review and up-date the current scope of the IEEE Std. 746-1984 to ensure a complete performance characterization of the converters. Certain minor revisions are also necessary to avoid ambiguities in test signal definition and interpretation of results caused by the constraints and non-linear effects of the component digital

signal formats and composite conversion. In addition, this document will incorporate information about changes made to other related standards such as the IEEE Stds. 511 and 206.]

10. Purpose of Proposed Project:

[The IEEE Std 746-1984 document define methods to measure the performance of A/D and D/A Converters for PCM Television Video Circuits. This document is due for revision.

The purpose of this project is to revise the Std 746-1984 document. Furthermore, additional measurement methods need to be included in this document to ensure a complete performance characterization of the converters.]

11. Intellectual Property {Answer each of the questions below}

Are you aware of any patents relevant to this project?

[No] {Yes, with detailed explanation below / No}
[...] {Explanation}

Are you aware of any copyrights relevant to this project?

[No] {Yes, with detailed explanation below / No}
[...] {Explanation}

Are you aware of any trademarks relevant to this project?

[No] {Yes, with detailed explanation below / No}
[...] {Explanation}

Are you aware of any registration of objects or numbers relevant to this project?

[No] {Yes, with detailed explanation below / No}
[...] {Explanation}

12. Are you aware of any other standards or projects with a similar scope?

[No] {Yes, with detailed explanation below / No}
[...] {Explanation}

13. International Harmonization

Is this standard planned for adoption by another international organization?

[Yes] {Yes/No/?? if you don't know at this time}

If Yes: Which International Organization [EBU]

If Yes: Include coordination in question 13 below

If No: Explanation [...]

14. Is this project intended to focus on health, safety or environmental issues?

[No] {Yes/No/?? if you don't know at this time}
If Yes: Explanation [...]

15. Proposed Coordination/Recommended Method of Coordination

Mandatory Coordination

SCC 10 (IEEE Dictionary) by **DR** {Circulation of **DR**afts}
IEEE Staff Editorial Review by **DR**
SCC 14 (Quantities, Units and Letter symbols) by **DR**

Coordination requested by Sponsor:

[David Wood
of the EBU] by [DR] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}
[.....] by [...] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}
[.....] by [...] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}
[.....] by [...] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}

Coordination Requested by Others:

[...] {added by staff}

16. Additional Explanation Notes: {Item Number and Explanation}

[...]{If necessary, these can be continued on additional pages}

The [PAR Copyright Release and Signature Page](#) must be submitted by FAX to 732-562-1571 before this PAR will be sent on for NesCom and Standards Board approval.