

IEEE-SA STANDARDS BOARD

PROJECT AUTHORIZATION REQUEST (PAR) FORM - 2006

The submittal deadlines are available at <http://standards.ieee.org/board/nes/index.html>.
(See [NesCom Convention - Item #14](#))

Prior to submitting your PAR, please review the [NesCom Conventions](#).

1. **ASSIGNED PROJECT NUMBER** P (Please leave blank if not available.)
(See [NesCom Convention - Item #19](#))

2. **SPONSOR DATE OF REQUEST** Day: 1 Month: Jul Year: 2006

3. **TYPE OF DOCUMENT** (Please check one.)

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

4. **TITLE OF DOCUMENT**

(See [NesCom Conventions - Item #5](#), [Item #7](#))

Draft

5. **LIFE CYCLE**

- Full-Use**
- Trial-Use**
-

6. **TYPE OF PROJECT**

- New document
- Revision of an existing document (indicate number and year existing document was approved in box to the right):
- Amendment to an existing document (indicate number and year existing document was approved in box to the right):
- Corrigendum to an existing document (indicate number and year existing document was approved in box to the right):
- Modified PAR (indicate PAR Number and Approval Date here: P Day: Month: Year:)

Is this project in ballot now? Yes No

State reason for modifying the PAR in Item #21.

7. **WORKING GROUP INFORMATION:**

Name of Working Group (WG):

Approximate Number of Expected Working Group Members:

8. CONTACT INFORMATION FOR WORKING GROUP CHAIR (must be an IEEE-SA member as well as an IEEE and/or Affiliate Member)

(See NesCom Convention [Item #3](#), [Item #4](#))

Name of Working Group Chair: First Name: Last Name:

Telephone: FAX: E-mail:

9. CONTACT INFORMATION FOR CO-CHAIR/OFFICIAL REPORTER, Project Editor or Document Custodian if different from the Working Group Chair (must be an IEEE-SA member as well as an IEEE and/or Affiliate Member)

(See NesCom Convention [Item #3](#))

Name of Co-Chair/Official Reporter (if different than Working Group Chair): First Name:

Last Name:

Telephone: FAX: E-mail:

10. CONTACT INFORMATION FOR SPONSORING SOCIETY OR STANDARDS COORDINATING COMMITTEE

(See NesCom Convention [Item #1](#), [Item #3](#))

Sponsoring Society and Committee: C/DA (Please choose the correct acronym for your Sponsor Society/Technical Committee or SCC. [For an acronym list, please click here.](#))

Sponsor Committee Chair: First Name: Last Name:

Telephone: FAX: E-mail:

Standards Coordinator (Power Engineering Society Only):

Standards Coordinator: First Name: Last Name:

Telephone: FAX: E-mail:

IF THIS PROJECT IS BEING SPONSORED BY TWO SPONSORS, PLEASE COMPLETE THE INFORMATION BELOW

Sponsoring Society and Committee: (Please choose the correct acronym for

your Sponsor Society/Technical Committee or SCC. [For an acronym list, please click here.](#))

Sponsor Committee Chair: First Name: Last Name:

Telephone:

FAX:

E-mail:

Standards Coordinator (Power Engineering Society Only):

Standards Coordinator: First Name: Last Name:

Telephone:

FAX:

E-mail:

11. SPONSOR BALLOTING INFORMATION (Please choose one of the following):

- Individual Balloting
 Entity Balloting
 Mixed Balloting (combination of Individual and Entity Balloting)

Expected Date of Submission for Initial Sponsor Ballot: Month: Nov Year: 2006

Please review the PAR form three months prior to submitting your draft for ballot to ensure that the title, scope, and purpose on the PAR form match the title, scope, and purpose of the draft. If they do not match, you will probably need to submit a modified PAR.

Additional communication and input from other organizations or other IEEE Standards Sponsors should be encouraged through participation in the working group or the invitation pool.

(See NesCom Conventions - [Item #20](#))

12. PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM: Month: Jan Year: 2007

If this is a MODIFIED PAR and the completion date is being extended past the original four-year life of the PAR, please answer the following questions. [If this is not a modified PAR, please go to Question #13.](#)

(See NesCom Conventions - [Item #18](#))

a. Statement of why the extension is required:	<input type="text"/>
b. How many working group members are working on the project?	<input type="text"/>
c. How many times a year does the working group meet:	<input type="text"/>
1. In person?	<input type="text"/>

2. Via teleconference?	<input type="text"/>
d. How many times a year is a draft version circulated to the working group via electronic means?	<input type="text"/>
e. What percentage of the Draft is stable?	<input type="text"/> %
f. How many significant working revisions has the Draft been through?	<input type="text"/>
g. Balloting History - If the draft has gone to ballot, please provide a history of all IEEE Sponsor ballots under this project in the box to the right. Please include the: <ul style="list-style-type: none"> • Ballot Close Date (or scheduled Close Date) • Ballot Draft Number • Ballot Results (% affirmative, % negative, % abstain) 	<input type="text"/>
h. Is this the first request for an extension?	<input type="radio"/> Yes <input type="radio"/> No
If no, when was the previous extension approved?	<input type="text"/> (DD-MMM-YYYY)

13. **SCOPE OF PROPOSED PROJECT**

(See NesCom Conventions - [Item #6](#), [Item #16](#), [Item #17](#))

Briefly detail the projected output including technical boundaries.

FOR MODIFIED PROJECTS/REVISION DOCUMENTS - Only detail the projected output including the scope of the project or last published document to be modified and any amendments and/or additions.

The Rosetta language will allow systems designers to describe and design very complex, heterogeneous systems such as Systems on Chip. Heterogeneous systems are those with subsystems in multiple engineering domains (such as analog, digital, and microwave).

Is the completion of this document contingent upon the completion of another document?

Yes (with detailed explanation below) No

14. **PURPOSE OF PROPOSED PROJECT**

Briefly, clearly and concisely explain "why" the document is being created.

(See NesCom Conventions - [Item #16](#))

FOR MODIFIED PROJECTS/REVISION DOCUMENTS - Only include the purpose of the project or last

published document and any amendments and/or additions.

Existing design languages allow the system designer to specify at most two engineering domains. A language is needed to design and describe systems with many different domains: software, digital hardware, analog hardware, microwave, mechanical, and any other domain included in large scale systems. This means not only describing behavior of components in a single domain, but also in more than one domain, and the interactions between those descriptions. Rosetta is designed to provide these capabilities.

15. **REASON FOR THE PROPOSED PROJECT:**

Give the specific reason for the standardization project. Focus on explaining the problem being addressed, the benefit to be provided and the stakeholders for the project.

This language definition will allow designers to describe very complex systems that cannot be designed or expressed now, and will allow tool builders to address tools to very large scale systems. These systems are inherently multi-domain; for example, a system on chip that has both digital and analog components and software that controls the entire system, all on the same chip. Finally, it will also allow the different views of the system to be coordinated and to exchange information.

16. INTELLECTUAL PROPERTY (Please answer each of the questions below)

a. Has the **IEEE-SA policy on intellectual property** been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes
 No

If yes, state date: Day: 24 Month: Jun Year: 2005

If no, please explain:

b. Is the Sponsor aware of **copyright** permissions needed for this project? Yes No

If yes, please explain:

c. Is the Sponsor aware of **trademarks** that apply to this project? Yes No

If yes, please explain:

d. Is the Sponsor aware of possible **registration activity** related to this project? Yes No

If yes, please explain:

17. ARE THERE OTHER DOCUMENTS OR PROJECTS WITH A SIMILAR SCOPE?

Yes (with detailed explanation below) No

If Yes, please answer the following:

Sponsor Organization:

Project/Document Number:

Project/Document Date: (DD-MMM-YYYY)

Project/Document Title:

18. FUTURE ADOPTIONS

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

If Yes, the following questions must be answered:

Technical Committee Name and Number: IEC TC SC WG

Other Organization Contact Information:

Contact Name - First Name: Contact Name - Last Name:

Contact Telephone Number:

Contact FAX Number:

Contact Email address: a.zamfirescu@ieee.org

19. WILL THIS PROJECT RESULT IN ANY HEALTH, SAFETY, OR ENVIRONMENTAL GUIDANCE THAT AFFECTS OR APPLIES TO HUMAN HEALTH OR SAFETY? Yes No

If yes, please explain:

20. SPONSOR INFORMATION

- a. Is the scope of this project within the approved scope/definition of the Sponsor's Charter? Yes
 No

If no, please explain:

- b. Have the Sponsor's procedures been accepted by the IEEE-SA Standards Board Audit Committee?

Yes No

(See NesCom Convention [Item #2](#))

21. ADDITIONAL EXPLANATORY NOTES (Item Number and Explanation)

I acknowledge having read and understood the [IEEE Code of Ethics](#). I agree to conduct myself in a manner which adheres to the [IEEE Code of Ethics](#) when engaged in official IEEE business.

Save This Form

Review and Submit

Reset Form

The **[PAR Copyright Release and Signature Page](#)** must be submitted by FAX to +1 732-875-0695 to the [NesCom Administrator](#) before this PAR will be forwarded to NesCom and the Standards Board for approval.

(See NesCom Conventions - [Item #8](#), [Item #9](#), [Item #10](#))