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06 December 2006

James M. McCall
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Re: P1516.4 - Verification, Validation, and Accreditation of a Federation, an Overlay to the High Level Architecture Federation Development and Execution Process

Dear James:

I am pleased to inform you that on 06 December 2006 the IEEE-SA Standards Board approved the above referenced project until 06 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1516-4.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 s.hampton@ieee.org no later than 06 March 2007.

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 +1 732 562 6003 or by email at s.

hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
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CC: simone.youngblood@jhuapl.edu

PAR Request Date: 19 October 2006**PAR Approval Date:** 06 December 2006**PAR Signature Page on File:** Yes**Type of PAR:** New IEEE Standard**Status:** PAR for a New IEEE Standard**Root Project:****1.1 Project No.:** **P1516.4****1.2 Type of Document:** Recommended Practice**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Verification, Validation, and Accreditation of a Federation, an Overlay to the High Level Architecture Federation Development and Execution Process

2.1 Amendment/Corrigenda Title**3.1 Working Group Name** [Verification, Validation, and Accreditation Overlay to the Federation Development and Execution Process Working Group](#)**Working Group Chair**
[Youngblood, Simone](#)
Phone: 703-824-3436
Email: simone.youngblood@jhuapl.edu**Working Group Vice Chair****3.2 Sponsor** [IEEE Computer Society Simulation Interoperability Stds Organization/Stds Activities Committee \(C/SISOSAC\)](#)**Sponsor Chair**
[McCall, James M.](#)
Phone: (480) 988-6561 x231
Email: james.mccall@mesa.afmc.af.mil**Name of Standards Liaison Representative (if applicable)****3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** June 2007**4.3 Projected Completion Date for Submittal to RevCom:** June 2007**5.1 Approximate number of people expected to work on this project:** 50

5.2 Scope: This recommended practice defines the processes and procedures that should be followed to implement Verification, Validation, and Accreditation (VV&A) for federations being developed using the High Level Architecture (HLA) Federation Development and Execution Process (FEDEP). This recommended practice is not intended to replace existing VV&A policies, procedures, and guidance, but rather is intended to focus on the unique aspects of the VV&A of federations. It provides a higher-level framework into which such practices can be integrated and tailored for specific uses. The VV&A overlay provides implementation-level guidance to VV&A practitioners; however, it does not describe the individual techniques that might be employed to execute the VV&A processes for federations. This VV&A overlay focuses upon the VV&A processes that apply to federations and not the VV&A processes associated with individual simulations (federates), but does consider using the information produced by those processes. Users, developers, and VV&A personnel working with simulations and simulation compositions not based upon the HLA and the FEDEP can also benefit from the guidance in this document since the activities that this overlay describes can be tailored to support any type of distributed simulation application.

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

5.4 Purpose: The VV&A overlay has been designed to apply across a wide range of functional applications. The purpose of this overlay is to provide a more detailed view of the VV&A processes implied by the FEDEP. Currently, these processes represent the best practices available to the VV&A community. The VV&A overlay is a tailorable process and is offered as guidance to all participants in FEDEP activities. This overlay identifies and describes the recommended VV&A processes that should be followed to assure the acceptability and utility of federations for particular intended uses. The overlay also identifies and describes the information feeding and resulting from those processes as well as the relationships between the FEDEP and the VV&A processes and their respective information products. In addition, this overlay defines those terms uniquely needed to characterize the FEDEP VV&A overlay. This overlay takes special care to use and build upon existing standards, standard terms and their definitions whenever possible.

5.5 Need for the Project: The specific reason for the project is that there is no standard for the verification, validation, and accreditation (VV&A) of High Level Architecture Federations. When IEEE 1516.3 "IEEE Recommended Practice for High Level Architecture Federation Development and Execution Process" was written, the working group intended that a series of overlays (e.g., VV&A and security) would be created to address the detailed implementation issues. This project will produce a recommended practice that addresses the detailed VV&A processes associated with federation development and use. VV&A is a contractual requirement for some and a policy mandate for others. The benefit to be provided is that an international standard will exist to support consistent planning, implementation, and documentation of VV&A. Because federations generally involve multiple participants from multiple organizations or countries, consistency is critical for success.

5.6 Stakeholders for the Standard: The stakeholders for the project are the users of models, simulations, and federations of models and simulations, and the VV&A practitioners that will be implementing this recommended practice.

6.1.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 Presented Date: 2006-09-14

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No

If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? Yes

If yes, please explain:

IEEE Std 1278.4-1997 IEEE Trial-Use Recommended Practice for Distributed Interactive Simulation Verification, Validation, and Accreditation

Sponsor Organization: Distributed Interactive Simula

Project/Standard Number: IEEE Std 1278.4-1997

Project/Standard Date: 1998-07-20

Project/Standard Title: IEEE Trial-Use Recommended Practice for Distributed Interactive Simulation Verification, Validation, and Accreditation

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

Technical Committee Name and Number: ISO

Contact person: [Simone Youngblood](#)

Contact person Phone Number: 703-824-3436

Contact person Email Address: simone.youngblood@jhuapl.edu

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: