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23 March 2005

Chris J Rouget
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Re: P1516 - Standard for Modeling and Simulation (M&S) High Level Architecture (HLA) — Framework and Rules

Dear Chris:

I am pleased to inform you that on 20 March 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1516.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 18 June 2005.

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: scrudder@arlut.utexas.edu

PAR FORM

PAR Status: Revision PAR
PAR Approval Date: 2005-03-20
PAR Signature Page on File: Yes

1. Assigned Project Number: P1516

2. Sponsor Date of Request: 2005-01-18

3. Type of Document: Standard for

4. Title of Document:

Draft: Standard for Modeling and Simulation (M&S) High Level Architecture (HLA) —
Framework and Rules

5. Life Cycle: Full-Use

6. Type of Project:

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

6b. The Project is a: Revision of Std 1516-2000

7. Working Group Information:

Name of Working Group: HLA Evolved Working Group

Approximate Number of Expected Working Group Members:125

8. Contact information for Working Group Chair:

Name of Working Group Chair: Roy Scrudder

Telephone: 512-835-3857 **FAX:** 512-835-3220

Email: scrudder@arlut.utexas.edu

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:

Telephone: **FAX:**

Email:

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

Name of Sponsoring Society and Committee: Computer Society Simulation Interoperability
Stds Organization/Stds Activities Committee

Name of Sponsoring Committee Chair: Chris J Rouget

Telephone: 44-1462-435947 **FAX:**

Email: cjrouget@preforce.demon.co.uk

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:** July 2005**12. Projected Completion Date for Submittal to RevCom:** April 2006**Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:****13. Scope of Proposed Project:**

This document provides an overview of the High Level Architecture (HLA), defines a family of related HLA documents, and defines the principles of HLA in terms of responsibilities that federates (simulations, supporting utilities, or interfaces to live systems) and federations (sets of federates working together) must uphold.

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

Yes

All three standards in the original IEEE Std 1516-2000 series will be updated simultaneously.

14. Purpose of Proposed Project:

This document describes the general principles defining the HLA and delineates the set of rules that apply to HLA federations and federates. Each rule is then described, and the rationale for its inclusion is provided. Many different classes of simulations exist. Each class has changing application characteristics and needs to be flexibly supported to allow for interoperability and reuse across classes and to limit the need to maintain multiple interoperability approaches. The HLA is an integrated architecture, which has been developed to provide that common architecture. The related standards need to be considered as a set of products because changes in one are likely to have an impact on the others.

15. Reason for the Proposed Project:

The HLA has been in active use among many different classes of distributed simulation users since the mid-1990s. The user community spans many different user domains (e.g., training, analysis, acquisition) and application areas (e.g., defense, entertainment, medical). The stakeholders for this standard include developers and integrators of simulations and federations as well as the vendor community that develops tools for simulation and federation integration, execution, monitoring, and control. The IEEE 1516-series represents the current commercial standards for the HLA. As experience with the use of IEEE 1516 continues to grow, and as new technologies that affect HLA implementations are developed, it is vitally important that the IEEE 1516 specifications be periodically evaluated and modified as necessary to meet the evolving

needs of the user community. Since the IEEE 1516-2000 series documents were approved by the IEEE Standards Activity (SA) Board in the Fall of 2000, substantial use of the standards has occurred. The changes in the Framework and Rules are expected to primarily be changes and clarifications in definitions resulting from the use to date and needed to ensure consistency with the other two documents in the series.

16. Intellectual Property:

- a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2004-11-30
- b. Is the sponsor aware of copyright permissions needed for this project?** No
- c. Is the sponsor aware of trademarks that apply to this project?** No
- d. Is the sponsor aware of possible registration activity related to this project?** No

17. Are there other documents or projects with a similar scope? No

Similar Scope Project Information:

18. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization? No

If yes, the following questions must be answered:

Organization Name?

Technical

Committee

International

Contact

Information?

19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety? 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

If no, please explain:

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

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

#20b. In a late-September 2004 meeting, the IEEE SAB AUDCOM agreed to accept PARs from SISO/SAC while the process of revising/reviewing SISO/SAC's procedures was underway.