P1730.2

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Type of Project: New IEEE Standard
PAR Request Date: 15-Mar-2018
PAR Approval Date: 14-May-2018
PAR Expiration Date: 31-Dec-2022
Status: PAR for a New IEEE Standard

1.1 Project Number: P1730.2
1.2 Type of Document: Recommended Practice
1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Verification, Validation and Accreditation of a Distributed Simulation - an Overlay to the Distributed Simulation Engineering and Execution Process

3.1 Working Group: Distributed Simulation Engineering and Execution Process Working Group (C/SI/DSEEP)

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3.2 Sponsoring Society and Committee: IEEE Computer Society/Simulation Interoperability Stds Organization/Stds Activity Committee (C/SI)

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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 05/2019
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2020

5.1 Approximate number of people expected to be actively involved in the development of this project: 20
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 Distributed Simulation Engineering and Execution Process (DSEEP). 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.

5.3 Is the completion of this standard dependent upon the completion of another standard: 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 DSEEP. 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 DSEEP activities

5.5 Need for the Project: This overlay identifies and describes the recommended VV&A processes that should be followed to assure the acceptability and utility of distributed simulations 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 DSEEP and the VV&A processes and their respective information
products. In addition, this overlay defines those terms uniquely needed to characterize the DSEEP VV&A Overlay. This overlay takes special care to use and build upon existing standards, standard terms and their definitions whenever possible.

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

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Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

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7.1 Are there other standards or projects with a similar scope?: Yes
If Yes please explain: This standard will replace 1516.4 and 1278.4 by providing a generic VV&A Overlay that can be applied to all distributed simulation development standards as well as guidance for specific architectures to be supplied in appendices.

and answer the following

Sponsor Organization: IEEE Computer Society/Simulation Interoperability Stds Organization
Project/Standard Number: 1516.4, 1278.4
Project/Standard Date:
Project/Standard Title: IEEE Std 1516.4-2007 Recommended Practice Verification, Validation and Accreditation of a Federation, an Overlay for High Level Architecture Federation Development and Execution Process
IEEE Std 1278.4-1997 Recommended Practice for Distributed Interactive Simulation Verification, Validation, and Accreditation

7.2 Joint Development
Is it the intent to develop this document jointly with another organization?: No

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8.1 Additional Explanatory Notes: