Computer/Simulation Interoperability (C/SI) Sponsor Progress Report

Simulation Interoperability Standards Organization (SISO)
Standards Activity Committee (SAC)

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http://www.computer.org/web/standards/simulation-interoperability
http://www.sisostds.org

3 June 2015
C/SI Sponsor Committee

- C/SI is the Standards Activity Committee (SAC) of the Simulation Interoperability Standards Organization (SISO)
  - SISO membership – 370
  - SAC membership – 12

- C/SI maintains an existing portfolio of standards
  - IEEE 1278 series – Distributed Interactive Simulation (DIS)
  - IEEE 1516 series – High Level Architecture (HLA)
  - IEEE 1730 series – Distributed Simulation Engineering and Execution Process (DSEEP)
C/SI Activity Summary

- C/SI Working Group for DIS
  - SISO DIS Product Development Group (58)
- # of PARs approved YTD: 1
  - P1278.2 extension granted thru 12/31/15
- # of Stds sent to ballot YTD: 1
  - P1278.2 Sponsor Ballot: 20 Nov-20 Dec 2014
  - Meeting weekly to resolve comments (71 total)
  - 1st round of Mandatory Editorial Coordination comments included in resolutions
  - Recirculation ballot planned
- # of Stds approved for publication YTD: 0
Planned PARs for Revision to Existing IEEE Standards

In 2015, the C/SI HLA Evolved Working Group is planning to process PARs for revision to these standards:

- IEEE Std 1516.2™-2010, IEEE Standard for Modeling and Simulation High Level Architecture - Object Model Template
Augmented Reality

- C/SI Standards relevant to Augmented Reality includes:
  - IEEE 1278 series – Distributed Interactive Simulation (DIS)
  - IEEE 1516 series – High Level Architecture (HLA)

http://standards.ieee.org/innovate/ar/standards.html
IEEE-SA Sponsor Baseline Policies and Procedures for Standards Development

- C/SI is updating:
  Policies and Procedures for Standards Development for the Simulation Interoperability Standards Organization (SISO) Standards Activity Committee (SAC)

- Conducted teleconference on 4/10 with IEEE SA (Lisa Weisser) to get answers to questions
  - Not every Sponsor Committee fits the mold the template invokes
    - “This clause shall not be modified.”
  - Received response on 4/29
SISO Modeling and Simulation Seminar at ITEC 2015
27 April 2015

Seminar encompassed a broad range of modelling and simulation issues, applications, and communities that addressed interoperability issues and proposed solutions

http://www.itec.co.uk/Content/SISO-Seminar-2015/5_33/
http://www.sisostds.org/
Announcing the 2015 Fall Simulation Interoperability Workshop

On-Demand Modeling and Simulation - The Next Wave of Interoperability

Florida Hotel and Conference Center Orlando, Florida

30 Aug – 4 Sep 2015

http://www.sisostds.org/
SISO University

- SISO University is a training program for M&S practitioners offering multiple courses for SISO members, including:
  - Distributed Interactive Simulation (DIS)
  - High Level Architecture (HLA)
  - Distributed Simulation Engineering and Execution Process (DSEEP)

http://www.sisostds.org/Workshops/SISOUniversity.aspx
BACK UP SLIDES
SISO is an international Standards Development Organization focused on developing standards, guidance, and reference products for simulation interoperability
  - http://www.sisostds.org

SISO has a Technical Cooperation Agreement with the NATO Modelling and Simulation Group

SISO-sponsored IEEE Standards have been processed:
  - as NATO Standardization Agreements
  - for use by the U.S. Department of Defense in the Defense Standardization Program
  - for inclusion in the Defense Information Technology Standards Registry managed by U.S. Defense Information Systems Agency

Individual members apply SISO-sponsored IEEE Standards in their work; develop and market implementation products; offer tutorials; and report on usage experiences at Simulation Interoperability Workshops (SIWs)
YTD Additional Highlights

- Working Groups conduct face-to-face meeting at SIWs
- Working Groups conduct virtual meetings/voting throughout the year using various Information Technology capabilities
  - SISO Discussion Forums
  - Teleconferencing & Webconferencing
- Social media sites promote SISO activities and products
  - Wikipedia: en.wikipedia.org/wiki/
  - LinkedIn: www.linkedin.com/
  - Facebook: www.facebook.com/
  - Twitter: @SISOSIW
- Defense industry-related news reports/press releases on use of SISO-sponsored IEEE Standards
- Various Modeling and Simulation-related conferences include papers addressing use of SISO-sponsored IEEE Standards
Achievement .... 
Years in the Making

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