

DoD Systems Engineering Standardization

NDIA Working Group for Transition of DoD Systems Engineering Standards

December 10, 2014

- Status of IEEE SE Standards
- Plans and Status of NDIA Transition Activities
 - NDIA SE Standardization Transition WG
 - NDIA CMMI WG standards mapping task

- Revision to Base Standard - ISO/IEC/IEEE 15288, System Life Cycle Processes
 - FDIS ballot started on 27 Nov 2014 – Closes 27 Jan 2015
 - Expect approval of ballot with publication by end of Feb
 - Currently working on harmonization efforts of other standards with 15288 (SW, Requirements Engineering, Risk Mgt, Measurement, Guides, etc.)
- IEEE 15288.1, Application of Systems Engineering Processes for Defense Programs
 - Ballots closed in September with 100% approval
 - Submitted to IEEE RevCom (Review Committee) on 7 Oct 2014
 - Publication approval by RevCom on 9 Dec 2014 – will align with 15288 release
- IEEE 15288.2, Application of Technical Reviews and Audits for Defense Programs
 - Ballots closed in September with 100% approval
 - Submitted to IEEE RevCom (Review Committee) on 7 Oct 2014
 - Publication approval by RevCom on 9 Dec 2014 – will align with 15288 release
- INCOSE SE Handbook revision to be published at same time as 15288

Core Membership – NDIA IEEE/DoD 15288 Transition WG

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| Joe Elm – WG Chair <i>(SEI, NDIA SE Effectiveness Committee)</i> | Garry Roedler <i>(Lockheed Martin, IEEE/DoD 15288 WG lead)</i> |
| Geoff Draper <i>(Harris, NDIA SE Division Vice-Chair)</i> | Dave Davis <i>(USAF SMC, IEEE/DoD 15288 WG co-lead)</i> |
| Steve Henry <i>(Northrop Grumman, NDIA SE Division Chair)</i> | Brian Shaw <i>(Aerospace, IEEE/DoD 15288 WG core team)</i> |
| Bob Scheurer <i>(Boeing, AIA Engrg Mgmt Committee)</i> | Aileen Sedmak <i>(ODASD Systems Engineering)</i> |
| Tom Channell <i>(US Army, IEEE/DoD 15288 WG core team)</i> | Zach Taylor <i>(ODASD Systems Engineering)</i> |
| Cheryl Jones <i>(US Army, IEEE/DoD 15288 WG core team)</i> | Larry Pennell <i>(USAF SMC, IEEE/DoD 15288 WG core team)</i> |
| Bob Epps <i>(Lockheed Martin)</i> | John Snoderly (Invited) <i>(Defense Acquisition University)</i> |

- Task 1 – Recommended RFP Language
 - Draft language document created in November – covers both standards
 - Core Team completed draft for review in meeting on 9 Dec 2014
 - Will send out to larger team for review
 - Complete during full-day Core Team meeting on 28 Jan 2015
 - Publish NDIA report in February
- Task 2 – Tailoring Guidance
 - Opted to structure tailoring based on project characteristics
 - Created draft framework in meeting on 9 Dec 2014
 - Will send out to larger team for review
 - Complete framework during meeting on 28 Jan 2015
 - Develop guidance information in February – will cover both standards
 - Publish NDIA report in March
- Task 3 – Compliance Approach / Strategy
 - Agreement that compliance should be against outcomes / outputs
 - Mapping for 15288.1 being worked by NDIA/AIA CMMI WG
 - Developing mapping of 15288.1 activities, outcomes, and outputs to CMMI
 - Draft for review by end of 2014
 - Compliance for 15288.2 to focus on criteria and outputs of reviews/audits