P15288.1

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Type of Project: New IEEE Standard
PAR Request Date: 03-May-2013
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PAR Expiration Date: 31-Dec-2017
Status: PAR for a New IEEE Standard

1.1 Project Number: P15288.1
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Application of Systems Engineering on Defense Programs

3.1 Working Group: Joint Working Group for DoD Systems Engineering Standardization (C/S2ESC/DoD WG)
Contact Information for Working Group Chair
  Name: Garry Roedler
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Contact Information for Working Group Vice-Chair
  None

3.2 Sponsoring Society and Committee: IEEE Computer Society/Software & Systems Engineering Standards Committee (C/S2ESC)
Contact Information for Sponsor Chair
  Name: Paul Croll
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Contact Information for Standards Representative
  None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 06/2014
4.3 Projected Completion Date for Submittal to RevCom: 05/2015

5.1 Approximate number of people expected to be actively involved in the development of this project: 20
5.2 Scope: This standard establishes the requirements for systems engineering activities to be performed on projects of the U.S. Department of Defense (DoD) and other defense agencies across the entire system life cycle, including the planning, acquisition, modification, and sustainment of defense systems. It provides the foundation for systems engineering within the context of ISO/IEC/IEEE 15288, System Life Cycle Processes, and the acquisition environment of DoD and other defense agencies at all levels of system hierarchy. This standard provides detailed requirements for the application of the life cycle processes, activities, and tasks of ISO/IEC/IEEE 15288 for use on any defense system and includes the effective integration of agreement processes, technical processes, technical management processes, and essential specialty engineering requirements.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This standard provides requirements for the application of ISO/IEC/IEEE 15288, System Life Cycle Processes, for defense systems engineering needs. This standard implements ISO/IEC/IEEE 15288 for use by United States Department of Defense (DoD) organizations and other defense agencies in acquiring systems or systems engineering support. While primarily supporting the acquirer-supplier agreement mode, this standard also can be used to support the other modes: use by organizations, projects, and process assessors. This standard provides the basis for selection, negotiation, agreement, and performance of necessary systems engineering activities and delivery of products, while allowing flexibility for both innovative implementation and tailoring of the specific systems engineering process(es) to be used by system suppliers, either contractors or government system developers, integrators, maintainers, and/or sustainers.

5.5 Need for the Project: For effective and efficient application of ISO/IEC/IEEE 15288 on defense programs, additional application requirements are needed. ISO/IEC/IEEE 15288 is written in a general manner to address all types of systems and different modes of application. Thus it does not have requirements specific to the use by defense projects that facilitate effective implementation of an acquirer - supplier agreement, such as use in DoD contracts. This effort responds to the needs of DoD and other defense agencies for such a requirements agreement-type standard, as well as industry feedback on deficiencies in the execution of industry systems engineering process.

The development of this standard will address the needs of the defense community, a potentially large user base for this
The standard that implements ISO/IEC/IEEE 15288 for application on defense programs will provide the defense specific language and terminology for the standard to ensure the correct application of acquirer-supplier requirements for a defense program. This could include the expected/required deliverables and reviews.

5.6 Stakeholders for the Standard: United States Department of Defense (DoD), the DOD departments (Army, Navy, Air Force, Coast Guard, and Marines), Defense Agencies, Defense Contractors and their suppliers. Possibly also NATO nations and selected non-NATO allies.

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

7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
   Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes (Item Number and Explanation): 5.6: This standard may also be of interest to and adopted by North Atlantic Treaty Organization (NATO), Life Cycle Management Committee (AC/327).