

IEEE Software & Systems Engineering Essentials Collection – Systems: VuSpec™

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Summary:

Systems engineering is a combination of various engineering fields that focus on how complex engineering projects should be designed and managed. Systems engineering deals with work-processes and tools to handle these projects, which includes, logistics, team coordination, and automatic control of machinery.

System Engineering Standards are related to the information systems engineers work with, such as, requirements, architecture, behavioral models, interfacing, verification, and validation.

The Software & System Engineering Essentials Collection - Systems, VuSpec CD-ROM integrates an abundant spectrum of features and content that is ideal for students, intro professionals, and practitioners. In addition to the 13 PDFs there are 30 “related” standards that are conveniently linked for easy purchase. The standards are organized in numerical order and by topic in the SWEBOK Knowledge Area. You also will get the landmark IEEE Guide to the Software Engineering Body of Knowledge (SWEBOK), Software Engineering Code of Ethics, Tips on Professional Development, and Principles for Integration the Collection.

The collection also includes exclusive bonus features such as:

- navigator for easy browsing
- point-and-click glossary
- index of keywords guiding you to the right standard
- full-text search modes.

SINGLE-USER LICENSE.

Includes 13 active IEEE standards & interpretations in the software & systems engineering family:

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In this Collection:

- IEEE Std 1062™-1998 (R2002), IEEE Recommended Practice for Software Acquisition
- IEEE 1220-2005, IEEE Standard for Application and Management of the Systems Engineering Process
- IEEE15026-1-2011, IEEE Trial-Use Standard--Adoption of ISO/IEC TR 15026-1:2010 Systems and Software Engineering--Systems and Software Assurance--Part 1: Concepts and Vocabulary
- IEEE15026-2-2011, IEEE Standard--Adoption of ISO/IEC 15026-2:2011 Systems and Software Engineering--Systems and Software Assurance--Part 2: Assurance Case
- ISO/IEC 15288 (IEEE Std 15288™-2008), Systems and software engineering — System life cycle processes
- IEEE/ISO/IEC 15289-2011, Systems and software engineering -- Content of life-cycle information products (documentation)

- IEEE Std 15939™-2008, IEEE Standard Adoption of ISO/IEC 15939:2007— Systems and Software Engineering— Measurement Process
- ISO/IEC 16085 (IEEE Std 16085™-2006), Systems and software engineering — Life cycle processes — Risk management
- ISO/IEC/IEEE 16326-2009, ISO/IEC/IEEE Systems and Software Engineering--Life Cycle Processes--Project Management
- IEEE 24748-1-2011, IEEE Guide--Adoption of ISO/IEC TR 24748-1:2010 Systems and Software Engineering--Life Cycle Management--Part 1: Guide for Life Cycle Management
- ISO/IEC 26702 (IEEE Std 1220™-2005), IEEE Standard for Application and Management of the Systems Engineering Process
- IEEE/ISO/IEC 29148-2011, ISO/IEC/IEEE Systems and software engineering -- Life cycle processes -- Requirements engineering
- ISO/IEC/IEEE 42010:2011(E) (Revision of ISO/IEC 42010:2007 and IEEE Std 1471-2000), ISO/IEC/IEEE Systems and software engineering -- Architecture description

PLUS!

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