NASA Systems Engineering Handbook

From SEBoK
NASA Systems Engineering Handbook

> NASA. 2007. *Systems Engineering Handbook,* Revision 1. Washington, DC, USA: National Aeronautics and Space Administration (NASA). NASA/SP-2007-6105.

Usage

This source is considered a primary reference for the following articles:

- System Definition
- System Analysis
- System Realization
- System Implementation
- System Integration
- System Verification
- System Deployment
- Planning
- Assessment and Control
- Measurement
- System Validation
- Integrating Supporting Aspects into System Models
- System Architecture

Annotation

From the preface: "This handbook consists of six core chapters: (1) systems engineering fundamentals discussion, (2) the NASA program/project life cycles, (3) systems engineering processes to get from a concept to a design, (4) systems engineering processes to get from a design to a final product, (5) crosscutting management processes in systems engineering, and (6) special topics relative to systems engineering. . . The handbook provides top-level guidelines for good systems engineering practices; it is not intended in any way to be a directive."

Appendix J (SEMP Content Outline) provides guidance for constructing a Systems Engineering Management Plan. The topics in Appendix J can be used as a checklist for constructing a SEMP.

SEBoK v. 2.1, released 31 October 2019

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- This page was last edited on 15 December 2019, at 19:28.

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