

Development of SEBoK v. 1.8

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This version of the SEBoK was released 27th March 2017. This is a minor release of the SEBoK which includes updates to the System of Systems knowledge area in Part 4: Applications of Systems Engineering, as well as the Reliability, Availability, and Maintainability and Manufacturability and Producibility articles in Part 6: Related Disciplines.

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Content and Feature Updates for v. 1.8

This section provides a summary of changes for SEBoK v1.8. See letter from the editor for a wider discussion of the changes and future plans.

This is a minor update, that features an update of the System of Systems knowledge area in Part 4: Applications of Systems Engineering where a number of articles have been updated on the basis of developments in the area as well as on comments from the SoS and SE community. This include updates to the Systems of Systems and Architecting Approaches for Systems of Systems articles, and a rewrite of the Socio-Technical Features of Systems of Systems article.

In Part 6: Related Disciplines work has been done on the

Manufacturability and Producibility article and the Reliability, Availability, and Maintainability articles in which the latter has seen the addition of a focus on Data Issues and Design Issues.

SEBoK v. 1.8 Authors

Editors (in bold) and Authors who contributed materials specifically to the v. 1.8 products are listed in Table 1, below

Table 1. SEBoK v. 1.8 Authors. (SEBoK Original)

SEBoK Part	Editors and Authors
Part 4	Judith Dahmann (USA), Michael Henshaw (UK)
Part 6	Alice Squires , <i>Washington State University</i> (USA), Paul Phister (USA), Myron J. Hecht (USA)

SEBoK v. 1.8 Editors

The Editorial Board for v. 1.8 is listed in Tables 2, 3, and 4 below.

Editorial Board

The SEBoK Editorial Board is chaired by an Editor in Chief, supported by a group of Associate Editors.

Table 2. SEBoK v. 1.8 Leadership. (SEBoK Original)

BKCASE Editor in Chief



Richard D. Adcock

Cranfield University (UK)

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Responsible for the appointment of SEBoK Editors and for the overall content and coherence of the SEBoK.

Each Editor has his/her area(s) of responsibility, or shared responsibility, highlighted in the table below.

Table 3. SEBoK v. 1.8 Associate Editors. (SEBoK Original)

SEBoK Part 1 SEBoK Introduction

Ariela Sofer

George Mason University (USA)

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Responsible for Part 1

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Jointly responsible for the
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Janet Singer (USA)

Jointly responsible for the
Systems Fundamentals,
Systems Science and
Systems Thinking
knowledge areas

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Management and Life Cycle
Models knowledge areas

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System Definition knowledge
areas.

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knowledge area.

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area

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SEBoK Part 6 Related Disciplines

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SEBoK Part 7 Systems Engineering Implementation Examples

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Responsible for Part 7: Systems Engineering
Implementation Examples, which includes Case Studies
and Vignettes

Graduate Reference Curriculum for Systems Engineering (GRCSE)

David H. Olwell
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Senior Editor for GRCSE.

The Assistant Editors provide general editorial support
across all topics. They assist both with content
improvement and production issues.

Table 4. SEBoK v. 1.8 Assistant Editors. (SEBoK Original)

BKCASE Assistant Editors

Claus Ballegaard Nielsen,
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This page was last edited on 8 March 2024, at 22:36.