

# Development of SEBoK v. 1.8

From SEBoK

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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)

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

### **SEBoK Part 2: Foundations of Systems Engineering**

**Cihan Dagli**

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Responsible for the Systems Approach Applied to Engineered Systems knowledge areas

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Responsible for the Representing Systems with Models knowledge area

**Duane Hybertson**

*MITRE (USA)*

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

**Janet Singer (USA)**

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

**Peter Tuddenham***College of Exploration (USA)*

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

### **SEBoK Part 3: Systems Engineering and Management**

**Barry Boehm**

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Jointly responsible for the Systems Engineering Management and Life Cycle Models knowledge areas

**Gregory Parnell**

*University of Arkansas (USA)*

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Responsible for Systems Engineering Management knowledge area.

**Phyllis Marbach***IncoSE LA (USA)***Kevin Forsberg**

*OGR Systems*

Jointly responsible for the Systems Engineering Management and Life Cycle Models knowledge areas

**Garry Roedler**

*Lockheed Martin (USA)*

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Responsible for the Concept Definition and System Definition knowledge areas.

**Ken Zemrowski**

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Responsible for the Systems Engineering Standards knowledge area.

**SEBoK Part 4: Applications of Systems Engineering****Judith Dahmann**

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**Michael Henshaw**

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Jointly responsible for Product Systems Engineering and Systems of Systems (SoS) knowledge areas

**James Martin**

*The Aerospace Corporation*

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Responsible for the Enterprise Systems Engineering knowledge area.

**SEBoK Part 5: Enabling Systems Engineering****Emma Sparks**

*Cranfield University*

Jointly responsible for the Enabling Individuals and Enabling Teams knowledge area

**Rick Hefner**

*California Institute of Technology*

**Tim Ferris**

*Cranfield University*

**Bernardo Delicado**

*MBDA / INCOSE*

**SEBoK Part 6 Related Disciplines****Alice Squires**

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**Paul Phister**

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**SEBoK Part 7 Systems Engineering Implementation Examples****Dick Fairley**

*S2EA*

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

***Graduate Reference Curriculum for Systems Engineering (GRCSE)*****David H. Olwell**

*Naval Postgraduate School (USA)*

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,**  
*Cranfield University (UK)*

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