

# 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

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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

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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

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

## Editorial Board

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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)*  
richard.adcock@incose.org  
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**

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Responsible for Part 1

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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)*

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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  
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**Kevin Forsberg**

*OGR Systems*

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Responsible for Systems  
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**Garry Roedler**

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Responsible for the Concept  
Definition and System  
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Engineering Standards  
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**Phyllis Marbach***Incose LA  
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**SEBoK Part 4: Applications of Systems Engineering**

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Responsible for the Enterprise Systems Engineering  
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### **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*

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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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**This page was last edited on 26 March 2017, at 16:23.**