

# Development of SEBoK v. 1.6

From SEBoK

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This version of the SEBoK was released 25 March 2016. This is a minor release of the SEBoK which includes a reorganization of Part 1 SEBoK Introduction, a new article on the transition towards Model Based Systems Engineering and two articles giving an overview of Healthcare Systems Engineering, a restructure of the Systems Engineering and Specialty Engineering KA, as well as a number of corrections of typos across the SEBoK.

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## Content and Feature Updates for v. 1.6

This section provides a summary of changes for SEBoK v1.6. See letter from the editor for a wider discussion of the changes and future plans.

SEBoK v1.6 includes a reorganization of Part 1, SEBoK Introduction. Part 1 has been divided into three knowledge areas (KA): Introduction to the SEBoK, Introduction to Systems Engineering, Introduction to SE Transformation. The first two KA contain modified versions of existing articles, while the third is a new KA that reflects the changing nature of SE and is to capture the ongoing transformations of the field. The transformation KA defines the scope of the transformation and contains articles which give details about specific aspects of transformational knowledge. The new KA contains three new articles; one that focuses on the Transition of SE to a Model Based Discipline, while the remaining two give an overview of Healthcare SE and the healthcare sector.

Part 6 has seen a restructure of the Systems Engineering and Specialty Engineering KA that incorporate the contents of the Integration of Specialty Engineering article into the Systems Engineering and Specialty Engineering article.

A number of small changes have been made to fix typographical, formatting errors and outdated references, in response to comments made on the SEBoK by people in the SE community. The editorial board would like to thank the Systems Engineering community for their helpful comments received through [sebokwiki.org](http://sebokwiki.org).

## SEBoK v. 1.6 Authors

Editors (in bold) and Authors who contributed materials specifically to the v. 1.6 products are listed in Table 1, below.

**Table 1. SEBoK v. 1.6 Authors.** (SEBoK Original)

<b>SEBoK Part</b>	<b>Editors and Authors</b>
Part 1	Sanford Friedenthal (USA), Rick Adcock, Cranfield University (UK), Nicole Hutchison (USA), Chris Unger (USA), Brigitte Daniel Allegro (France), Robert J. Malins (USA)
Part 6	<b>Alice Squires</b> , Washington State University(USA), <b>Paul Phister</b> (USA)

## SEBoK v. 1.6 Editors

The Editorial Board for v. 1.6 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. 1.6 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. 1.6 Associate Editors.** (SEBoK Original)

### **SEBoK Part 1 SEBoK Introduction**

**Ariela Sofer**

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Responsible for Part 1

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Responsible for the Systems Approach Applied to Engineered Systems knowledge areas

**Duane Hybertson**

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Responsible for the Representing Systems with Models knowledge area

**Janet Singer (USA)**

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

**Mike Yearworth**

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**SEBoK Part 3: Systems Engineering and Management****Barry Boehm**

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Responsible for Systems Engineering Management knowledge area.

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*University of Arizona (USA)*

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Responsible for the System Realization knowledge area.

**Kevin Forsberg**

*OGR Systems*

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

**Garry Roedler**

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Responsible for the Systems Engineering Standards knowledge area.

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

*Cranfield University*

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**Rick Hefner**

*California Institute of Technology*

**Tim Ferris**

*Cranfield University*

**Bernardo Delicado**

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

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**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. 1.6 Assistant Editors.** (SEBoK Original)

**BKCASE Assistant Editors**

**Claus Ballegaard Nielsen,**  
*Cranfield University (UK)*

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