

Development of SEBoK v. 1.5

Development of SEBoK v. 1.5

The printable version is no longer supported and may have rendering errors. Please update your browser bookmarks and please use the default browser print function instead.

This version of the SEBoK was released 7 December 2015, with an additional micro release on 18 December 2015. This is a minor release of the SEBoK which includes a restructure and extension of the Software Engineering Knowledge Area, two new case studies, as well as a number of corrections of typographical errors and updates of outdated references throughout the SEBoK. The micro release adds specific updates to the Risk Management article.



Contents

Content and Feature Updates for v. 1.5.1

Content and Feature Updates for v. 1.5

SEBoK v. 1.5 Authors

SEBoK v. 1.5 Editors

Editorial Board

Content and Feature Updates for v. 1.5.1

Version 1.5.1 contains a number updates to the Risk Management article with additions and clarifications of the text in *Risk Identification* and *Opportunity and Opportunity Management* sections, as well as updates to a number of additional references and to the primary reference Risk, Issue, and Opportunity Management Guide for Defense Acquisition Program.

Content and Feature Updates for

v. 1.5

This section provides a summary of changes for SEBoK v1.5. See letter from the editor for a wider discussion of the changes and future plans.

The most significant change to the SEBoK v.1.5 is the restructure and extension of the Software Engineering Knowledge Area in Part 6. This update has been implemented to improve the alignment between the SEBoK and the SWEBoK. The changes includes the addition of two new articles: Software Engineering in the Systems Engineering Life Cycle and Software Engineering Features - Models, Methods, Tools, Standards, and Metrics. The article "Key Points a Systems Engineer Needs to Know about Managing a Software Team" has been merged with the Key Points a Systems Engineer Needs to Know about Software Engineering topic. The articles Systems Engineering and Project Management, The Nature of Software and An Overview of the SWEBoK Guide has also been updated to reflect the changes in the Software Engineering Knowledge Area.

Part 7 has seen the addition of two new case studies. One case study focused on an Adaptive Project Management System, while the other is about a Real-Time Complex Adaptive Scheduler for a London Taxi Service.

A number of detailed changes have been made to fix typographical errors, replace outdated references and expand the content in a number of articles. The editorial board would like to thank the Systems Engineering community for their helpful comments received through sebokwiki.org.

The citation mechanism "Cite this page" on the SEBoK has now been corrected such that the variables "Date of last revision: " and "Date retrieved" display the correct date.

SEBoK v. 1.5 Authors

Editors (in bold) and Authors who contributed materials specifically to the v. 1.5 products are listed in Table 1, below.

Table 1. SEBoK v. 1.5 Authors. (SEBoK Original)

SEBoK Part	Editors and Authors
-----------------------	----------------------------

- Part 6 **Alice Squires**, *Washington State University (USA)*, Tom Hilburn, *Embry-Riddle (USA)*, Paul Phister (USA), Rick Adcock, *Cranfield University (UK)*
- Part 7 **Brian Sauser**, *University of North Texas (USA)*, **Brian White**, *CAU>SE (USA)*

SEBoK v. 1.5 Editors

The Editorial Board for v. 1.5 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. 1.5 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. 1.5 Associate Editors. (SEBoK Original)
SEBoK Part 1 SEBoK Introduction

Ariela Sofer
George Mason University (USA)
asofer@gmu.edu
Responsible for Part 1

SEBoK Part 2: Foundations of Systems Engineering

Cihan Dagli

*Missouri University of
Science & Technology
(USA)*

dagli@mst.edu

Responsible for the
Systems Approach Applied
to Engineered Systems
knowledge areas

Duane Hybertson

MITRE (USA)

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

Mike Yearworth

University of Bristol (UK)

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

Dov Dori

*Massachusetts Institute of
Technology (USA) and
Technion Israel Institute of
Technology (Israel)*

dori@mit.edu

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

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

*University of Southern
California (USA)*

boehm@usc.edu

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

Kevin Forsberg

OGR Systems

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

Gregory Parnell

University of Arkansas (USA)

gparnell@uark.edu

Responsible for Systems
Engineering Management
knowledge area.

Garry Roedler

Lockheed Martin (USA)

garry.j.roedler@lmco.com

Responsible for the System
Concept Definition and
System Definition knowledge
areas.

Ricardo Valerdi

University of Arizona (USA)

rvalerdi@email.arizona.edu

Responsible for the System
Realization knowledge area.

Ken Zemrowski

TASC

kenneth.zemrowski@incose.org

Responsible for the Systems
Engineering Standards
knowledge area.

SEBoK Part 4: Applications of Systems Engineering

Judith Dahmann
MITRE Corporation (USA)
jdahmann@mitre.org
Jointly responsible for
Product Systems
Engineering and Systems of
Systems (SoS) knowledge
areas

Michael Henshaw
*Loughborough University
(UK)*
M.J.d.Henshaw@lboro.ac.uk
Jointly responsible for
Product Systems
Engineering and Systems of
Systems (SoS) knowledge
areas

James Martin
The Aerospace Corporation
james.martin@incose.org
Responsible for the Enterprise Systems Engineering
knowledge area.

SEBoK Part 5: Enabling Systems Engineering

Emma Sparks
Cranfield University
Jointly responsible for the
Enabling
IndividualsandEnabling
Teams knowledge area

Rick Hefner
*California Institute of
Technology*

Tim Ferris
Cranfield University

SEBoK Part 6 Related Disciplines

Alice Squires
*Washington State
University (USA)*
alice.squires@wsu.edu

Paul Phister
MANIAC Consulting
phisterp@juno.com

SEBoK Part 7 Systems Engineering Implementation Examples

Brian Sauser
*University of North Texas
(USA)*
brian.sauser@unt.edu
Responsible for Part 7:
Systems Engineering
Implementation Examples,
which includes Case Studies
and Vignettes

Brian White
CAU>SE (USA)
bewhite71@gmail.com
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. 1.5 Assistant Editors. (SEBoK Original)

BKCASE Assistant Editors

Claus Ballegaard Nielsen,
Cranfield University (UK)

Retrieved from

"https://sebokwiki.org/w/index.php?title=Development_of_SEBoK_v.1.5&oldid=70491"

This page was last edited on 8 March 2024, at 22:35.