BKCASE Workshop III

Hyatt Regency Hotel
Rosemont, Illinois
July 7-8, 2010

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Author	Organization	SEBOK	GRCSE
Rick Adcock	Cranfield University	X	X
Johann Amsenga	Eclipse RDC	X	
Erik Aslaksen	Sinclair Knight Merz	X	
John Baras	University of Maryland		
Barry Boehm	University of California	X	
John Brackett	University of Boston		X
Edmund Conrow	Management and Technology Associates	X	
Paul Croll	CSC	X	
Cihan Dagli	Missouri University of Science and Technology	X	
Heidi Davidz	UTC Pratt & Whitney	X	
Joseph J. Ekstrom	Brigham Young University		X
Marcia Enos	Lockheed Martin		X
Dick Fairley			
Alain Faisandier	Association Francaise d'lingeniere Systeme	X	
Tim Ferris	University of South Australia		X
Kevin Forsberg	Center for Systems Management	X	
Richard Freeman	Air Force Institute of Technology	X	X
Sanford Friedenthal	Lockheed Martin	X	
Richard Frost	General Motors Corporation		
Brian Gallagher	Northrup Grumman		
Edward Ghafari	ICES Corporation		
Richard Grzybowski	Corning Incorporated		
Tom Hilburn	Embry-Riddle Aeronautical University	X	X
Nicole Hutchison	Analytic Services Inc.	X	X

Authors as of July 2010

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Author	Organization	SEBOK	GRCSE
Scott Jackson	University of Southern California	X	
Ken Kepchar	Federal Communications Commissions	X	
Naohiko Kohtake	Keio University in Japan		X
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Harold "Bud" Lawson	Lawson Konsult AB	X	
Yeaw lip "Alex" Lee	Defence Science and Technology Agency		
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James Martin	Aerospace Corporation	X	
Andrew McGettrick	Association for Computing Machinery	X	
Ken NiDiffer	Software Engineering Institute	X	
Dave Olwell	Naval Postgraduate School	X	X
Daniel Prun	Ecole Nationale de l'Aviation Civile (ENAC)		X
Art Pyster	Stevens Institute of Technology	X	X
Garry Roedler	Lockheed Martin	X	
Jean-Claude Roussel	EADS	X	
Sven-Olaf Schulze	Berner & Mattner		
Hillary Sillitto	Thales Group	X	
John Snoderly	Defense Acquisition University	X	
Alice Squires	Stevens Institute of Technology	X	X
Massood Towhidnejad	Embry-Riddle Aeronautical University		X
Guilherme Horta Travassos	Federal University of Rio de Janeiro (UFRJ)		X
Mary VanLeer	Arkansas Scholarship Lottery		X
Qing Wang	Institute of Software Chinese Academy of Sciences		
Brian Wells	Raytheon	X	

**Authors, *cont.*
as of
July 2010**

Our Partners

Under consideration

Under consideration

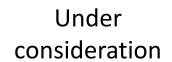# Workshop Objectives

1. Finalize release criteria for SEBoK 0.25

2. Review draft SEBoK 0.25 materials and agree on plan to produce 0.25 by September 15, 2010

3. Standardize and de-conflict terminology for SEBoK 0.25

4. Finalize SEBoK 0.25 review plan and materials

5. Review initial GRCSE materials and agree on plan to produce draft 0.25 by December 15, 2010

6. Review proposed Wiki structure, uses, technology, and protocols

Workshop Rules

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1. Primarily meet in plenary session

2. Everyone has a voice

3. Record decisions and major points in real-time on slides that all can see

4. Strive for consensus on all substantive matters

5. Expect courtesy and professional behavior at all times

6. Record extensive minutes and publish them after each workshop

Wednesday's Agenda

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Time	Topic
7:30a	*Continental breakfast in the meeting room*
8:00a	Agenda overview, opening remarks, new author and guest introductions – *Art Pyster*
9:00a	Finalize release criteria for SEBoK 0.25 – *Dave Olwell*
10:00a	Discussion of SEBoK 0.25 materials and issues – *Art Pyster*
10:30a	*Break*
10:45a	Discussion of SEBoK 0.25 (continues) – *Art Pyster*
12:00p	Lunch (*Garry Roedler, ISO/IEC Update for 15 minutes*)
1:00p	Discussion of SEBoK 0.25 (continues) – *Art Pyster*
3:00p	*Break*
3:15p	Discussion of SEBoK 0.25 and release plan – *Art Pyster*
5:00p	SEBoK 0.25 Review Plan – *Steph Enck and Nicole Hutchison*
6:00p	Adjourn
6:30p	*Group dinner at Carlucci's in Rosemont – Shuttle Service Provided*

Thursday's Agenda

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Time	Topic
7:30a	*Continental Breakfast in the meeting room*
8:00a	Review previous day – *Dave Olwell*
8:30a	References, RefWorks, and copyright permission – *Nicole Hutchison*
9:00a	Review of GRCSE materials to date – *Tim Ferris*
10:00a	*Break*
10:15a	Strategy for Developing GRCSE 0.25 – *Tim Ferris*
11:30a	*Lunch (Don Gelosh, NDIA SE Conference Update – 15 minutes)*
12:30a	Review and Discussion of Proposed Wiki Structure – *Sandy Friedenthal*
1:30p	Brief on Workshop IV in Toulousse, France – *Jean-Claude Roussel*
1:40p	Discuss Workshop VI – *Art Pyster*
1:50p	BKCASE Publications/Papers/Presentations by Authors – *Alice Squires*
2:00p	Meeting Review and Wrap Up – *Art Pyster*
3:00p	*Workshop Adjourn*

Reminder How We Got Here

At Workshop II in Daytona Beach:

1. Established SEBoK chapter structure

2. Initiated GRCSE effort

3. Agreed on author teams for chapters and GRCSE

4. Agreed on schedule to get to Workshop III

At EuSEC in Stockholm:

5. Made mid-course corrections towards Wkshp III

6. Agreed on September 15 SEBoK ship date

Since EuSEC:

7. Created draft of SEBoK being reviewed here

8. Drafted significant portions of GRCSE being discussed here

State of SEBoK 0.25

1. On track for September 15 release – tremendous job by authors

2. Submitted material uneven in completeness, depth, writing style, references, etc. -- very much expected

3. Core Team took great liberties in producing document sent to authors on July 2 – attempted to create single document from many

4. Now have 13 chapters – broke Technical Knowledge into 3 chapters – Early, Mid, and Late

5. Shrunk draft and moved material between chapters – there was lots of redundancy

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6. Sometimes too prescriptive – need to be more descriptive

7. Too oriented towards government contracting and government acquisition/supplier model

8. Changed Special Design Considerations to Cross-Cutting Knowledge

9. Added parenthetical advice to authors

10. Highlighted some places where references are needed

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11. Too much copying from other sources – even if properly cited and with permission

12. Writing is generally too focused on product SE without adequate coverage of service SE and enterprise SE

13. Glossary terms often not filled in and many terms not defined even in the text

Assessment of Work Remaining

- Low = no more than 10 hours of additional writing should be necessary before chapter is ready to ship

- Medium = between 10 and 25 hours …

- High = more than 25 hours …

Time does not include additional round of review by Core Team or tech editing and packaging for shipment.

Assessment of Work Remaining in Individual Chapters

1. Introduction: Low

2. Systems Concepts and Systems Thinking: Low

3. Systems Engineering Overview: Low

4. SE Life Cycle Knowledge: High

5. SE Organization Knowledge: High

6. SE Management Knowledge: Medium

Assessment of Work Remaining in Individual Chapters

7. Early Life Cycle SE Technical Knowledge: High

8. Mid Life Cycle SE Technical Knowledge: Medium

9. Late Life Cycle SE Technical Knowledge: High

10. SE Agreement Knowledge: Low

11. SE Cross Cutting Knowledge: High

Assessment of Work Remaining in Individual Chapters

12. SE Competencies Knowledge: Low

13. Application Domains and Case Studies: Low

Summary of Chapter Status

- 6 chapters require Low additional work

- 2 chapters require Medium additional work

- 5 chapters require High additional work

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1. Early, Mid, Late
2. Definition, Production, Utilization, Update (13)
3. System Definition; Implementation; Integration, Verification & Validation; Post-Development (7)
4. Analyze problem space, explore solution space, deploying value (11)
5. 2 = 15
6. 4 = 14