Workshop 14 Summary

Day 1
Attendees

• Rick, Nicole, Art, Emma, Dave, Dick, Tim, Sam, Holly, Ken, Courtney, Ariela, Christine, David, Bill
• Heidi, Judith, Brian by phone
• Hoping for late arrivals
Objectives

• Agree on 2014/5 plans
• Agree on senior editors and EB roles/tasks
• GB/EB relationship and goals
• Plan for SEBoK 1.4 – due November.
Review

• V 1.3, dedicated to Ricardo
• Quick links and front matter reorganized
• Changes to attribution and release history – will “have a think about it.”
• Need to think about ‘core team edit’ – new process doesn’t scale to a full revision
  – Review of new content
  – Working through pre-publication checks (technical edit, links, format, etc)
  – Use of Wiki consultant
Editor interviews – take-aways

• Editors happy and correctly placed
• More connectivity with other editors and larger community
• Alignment to other BoK, standards, HB
• Interface with other disciplines
• Catching up on rapidly developing content: systems thinking, MBSE, Agile, SoS, and Enterprise, e.g.
• Scope, boundary, original vs summary of existing content, dealing with emerging fields
• Integration not seen as a serious problem
Part 1 - Ariela

- Introduction and structure articles planned for 1.4
- Discussion and systemigram of how the parts hang together.
Part 2 - Mike, Janet, Duane, Cihan, Dov

• Vision and discussion with Systems Science community (ISSS)
• Models and modelling
• Linking Systems Approach to complex problems and SE
• Challenge with linking to other societies / communities of interest – extended discussion of opportunities
• Difference between being an SE and doing SE
Part 2 plan for 1.4

• Articles:
  – What is a system
  – Types of systems
  – History of systems science
  – What is systems thinking

Also:
  Make MBSE more visible and central – issue that extends beyond Part 2

• Quick wins for 1.4, full plan for 1.5, 1.6

• Working on “Systems Approach” – a challenge, but important to connect systems science, systems thinking, and SE
Part 3 – Garry et al

- More mature. Stay aligned with ISO and SE HB 4.0
- “Coevolution”
- Plan for 1.4 – 1.6 exists, and is staffed
  - 1.4: two new articles, two updates
  - Life cycle models needs review
  - Lean and Agile?
- Discussion on progression of roles and talent recruiting
Part 4 – Judith, Mike, Sam, James

• Expand, especially Enterprise and SoS and their integration

• Fully cover product and service SE
  – Service SE has a narrow view based on SW
  – Discussion on capturing emerging domains

• SoS and Enterprise: still gelling on foundational issues
Part 5

• Check on currency and rethink structure – but don’t forget audience
• 1.4: SE Education article?
• Focus on 1.5 & 1.6
  – Align with competency working group and HELIX, etc.
  – Academic Forum Workshops
  – Review team
  – Find right authors
  – Need new editor
Part 6 - Alice

• Need authors – lots uncovered
  – IEEE?

• Nice tabular approach to looking at the part as a whole
  – thanks, Alice!

• 1.4: recruit team, develop roadmap, leave structure alone

• 1.5: fill out existing structure with new articles

• 1.6: finalize structure and content at ‘mature’ level

• Note how the security group is engaging with maintenance plan
Part 7 – Brian^2

• Think about structure and how they can be better integrated
• Taxonomy – nice 2x2 graphic; extensible to n-space
• Case study working group?
• Rethink organization and coverage
Summary slide

• V1.4: 5 new articles, 15 updates, 20+ minor updates
• 1.5/1.6
  – 8 major content and structure reviews in progress
  – Holistic content maintenance
  – Future of sandbox?
SEBoK Plans Summary

- **Part 1**
  - V1.4 Introduction & Use Cases (3 articles)
  - V1.5/1.6 complete Use Cases & Integration review

- **Part 2**
  - V1.4 System basics (4 Articles)
  - Modelling and Model Based review
    - V1.4 “quick wins”
    - V1.5/V1.6 improve MBSE coverage
  - Systems Approach review
    - V1.4 “quick wins”
    - V1.5/V1.6 improve Systems Approach definition and use

- **Part 3**
  - V1.4 Architecture & Design (4 Articles)
  - Review consistency and references against key standards (all articles)
    - V1.4 simple changes TBD
    - V1.5/V1.6 larger changes
  - Life Cycle models review
    - V1.4 “quick wins”
    - V1.5/V1.6 improve Life Cycle Models scope and integration

- **Part 4**
  - V1.4 Product SE (2 Articles)
  - Service SE review
    - V1.4 change to Part 4 Intro & Service Intro (2 Articles)
    - V1.5/V1.6 changes in scope of service
  - Enterprise & SoS review
    - V1.4 “quick wins”
    - V1.5/V1.6 improve ESE KA
    - V1.5/V1.6 SoS across SEBoK
  - V1.5/V1.6 new “Application Tailoring” and Case Study articles

- **Part 5**
  - V1.4 Education article
  - Review P 5 structure
    - V1.4 “quick wins”
    - V1.5/V1.6 layout and SME inputs

- **Part 6**
  - V1.4 essential updates (TBC)
  - V1.5/V1.6 expert consensus

- **Part 7**
  - V1.4 complete planned Case Studies (5 articles)
  - V1.5/V1.6 update Case Study organisation and coverage
Publishing: Nicole

• Reviewer role; taxonomy and purposes
• Author role; IP!
• Associate editor role;
• Process for new materials; roles and timeliness
• IP: authors certify and transfer copyright to us
EB Work norms

• When to meet? Where? How? Frequency? – F2F is important; good venues help

• Resurrect part cohorts for work
  – Need leaders
  – Virtual meetings

• Senior editors? GRCSE, Integration, Outreach, Publishing – go slow, but go

• Newsletter? Impact and coordination
Everything is Awesome!

- Everything is cool when you’re part of a team.
Publishing timelines

• Staggered deadlines, parallel processing
• ENFORCE deadlines (else they are just hurtlines for the staff)
• Two updates next year, and review for out years
• Keep sandbox; empower editors; keep current rhythm
• Use notifications in Disqus!