Darrell Mann "Hands on Systematic Innovation"

Errata and Q&A (Part 3)

Toru Nakagawa and the Translation Team in Japan Jan. 25, 2004

This is a document of errata, questions, and suggestions from the translation team in Japan to the Author and hopefully include the correspondences from the Author.

In this Part, we would like to show our current version of the hierarchical system of headings, i.e., chapters, sections and subsections. This is one of the major topic in our work of making the Japanese Edition as useful as possible for readers. Following points are difficulties in the original English version, we feel:

- Sections does not have a hierarchical numbering system. So the structure of contents is not always clear.
- Section headers have a few sorts of styles for showing their levels. However, their usage is not always consistent.
- In the starting parts of chapters and sections, there are often important descriptions of basic concepts without any (sub)section headers and then there appear (sub)sections with headers like 'another view'. This causes skews in the hierarchical structure of sections and difficulty for readers to pick up basic concepts of much importance.
- In the Case Studies there are a lot of important demonstrations of extensions and usage of tools, without explicit headings of them. So the readers cannot see them well.
- The table of contents shows the headings of the chapter level only. More detailed information is needed for readers.

To overcome all these difficulties, we have examined the texts carefully and have built a hierarchical numbering system of headings as follows:

- We attached hierarchical numbering to almost all headings at various levels.
- We have proposed to insert a number of section headers, wherever we think appropriate. Their wording in English should be refined further.
- We have constructed a detailed table of contents for working and a table of contents to be printed in the book.
- All these work does not propose any change in the text itself but just intends to clarify the author's original description.

In the following, the detailed table of contents for working and then the table of contents for printing are shown. The parts written in blue letters are either inserted or modified in this Q&A document.

We wish that the Author, Dr. Darrell Mann, refine this hierarchical system further and allow to use it in the Japanese edition, and future English edition as well.

We are also going to prepare Part 4 soon with some (not so many) Q&A on individual items. We are planning to build a detailed Index as well in March for the Japanese edition.

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	the S-Field Model; Case Study – Leakage of an Hydraulic Coupling]; Now What? [Summary of Various Design Methods for Reliability; Overcoming the Reliability Limit by a Paradigm Shift in the Design Methodology]; Someone, Somewhere Already Solved Something Like Your Problem	
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	1. Benefit Analysis (Project and its benefits); 2. Problem Hierarchy (What is the Problem?); 3. Functional Analysis (What is the Current System?); 4. Past and Future (How does Time Affect the System?); 5. Technical Resources (Function, Substance, Field); 6. Knowledge Resources (Sponsor, Customer, and Team); 7. Technical Constraints (Function, Specification, Process, Tools); 8. Business Constraints (Time, Cost, Risk, Skills); 9. Sore Point (What are the Things That are Stopping Us?); 10. Sore Point (What Aspects?); 11. Sore Point (Where/When are the	

Bottlenecks/Contradictions?); 12. Ideality (Ideal Final Result); 13. S-Curve (How Mature Is the Current System?)

Appendix B. Contradiction Matrix

Separated