Failures of the Software Projects show no sign of significant decline. This poses a serious problem as the vulnerability of a social infrastructure. So to speak, it is not an overstatement that the success or failure of each project has posed a big threat for IT company not only for balance of payment but loss of social trust and a confidential relation with a customer, especially for the company using IT.

Software Engineering Center of Information Technology Promotion Agency, Japan (SEC/IPA) organized the IT project “MIERUKA(Visualization)” committee since 2005 with specialists who had had abundant experiences and carried out an investigation and research based on a practical experience and problem recognition at a project actual situation. This committee proposed visualization of the IT project in the term to say “MIERUKA”.

Japanese editions of “MIERUKA” of IT project were published by IT project “MIERUKA” committee as four books of SEC BOOK series in 2006-2008. These books obtained a strong response and broad support from wide-ranging people of the software industry, such as “The project which is not easily visible could come to be seen,” or “I have held the hint to problem solving of a project from a practical project case data.” These English editions of “MIERUKA(Visualization)” of IT project were published in order to have such a benefit utilized in the global field of software development.

2010 April

IT project “MIERUKA” committee
Software Engineering Center
Information Technology Promotion Agency, Japan (SEC/IPA)


Japanese edition of “MIERUKA” books consists of the following four volumes.

“MIERUKA (Visualization)” of IT Projects (Summary) 135pages
“MIERUKA (Visualization)” of IT Projects (Upstream Process) 208pages
“MIERUKA (Visualization)” of IT Projects (Midstream Process) 167pages
“MIERUKA (Visualization)” of IT Projects (Downstream Process) 211pages

And Japanese edition has some downloadable tools and documents as special appendixes of them.
Also all books are downloadable in PDF format from IPA/SEC’s web-site.
Related software project monitoring tool EPM (Empirical Project Monitor) is distributed by SEC/IPA in CD or DVD media at Japan. EPM has English user interface but English documents are insufficient yet.

This English-language edition was translated equivalent about 200 pages of the fundamental portion of these. (Total 280 pages in English)
Using this English edition, total view of the “MIERUKA” methods is available and also the fundamental “MIERUKA” methods for upstream and downstream process can be concretely performed.
Followings are detail of English translation ranges. (Board shows the translation range.)

[1] “MIERUKA (Visualization)” of IT Projects (Summary)
Preface
Chapter 1 MIERUKA (Visualization) Objectives
Chapter 2 Overall View of MIERUKA (Visualization)
Chapter 3 Qualitative MIERUKA (Visualization) Tools
Chapter 4 Quantitative MIERUKA (Visualization) Tools
Chapter 5 Integrated MIERUKA (Visualization) Tools
Chapter 6 Analysis Case of Problem Project
Chapter 7 Project Management with MIERUKA Methods
Chapter 8 Total Management utilizing the PMO
Chapter 9 The figure of PMO which should exist
Conclusion

Appendix 1 Upstream Process, Midstream Process, and Downstream Process Derived Scale List
Appendix 2 Inquiry survey report to PMO
References

[2] “MIERUKA (Visualization)” of IT Projects (Upstream Process)
Preface
Chapter 1 MIERUKA (Visualization) Objectives
Chapter 2 Overall View of MIERUKA (Visualization) in Upstream Process
Chapter 3 Qualitative MIERUKA (Visualization) Tools
Chapter 4 Quantitative MIERUKA (Visualization) Tools
Chapter 5 Integrated MIERUKA (Visualization) Tools
Chapter 6 Management of Ambiguity and Uncertainty
Chapter 7 Project Operation with Determination
Chapter 8 Over view of the Environmental Change and Issues of Software Project
Conclusion

Appendix

MIERUKA (Visualization) Tools and Reference Materials
Appendix 1. Self-Check Sheet
Appendix 2. Interview Sheet
Appendix 3. Project Trouble Events and Countermeasures (Summary of Problem Projects)
Appendix 4 Risk Categorized Item Table
References

[3] “MIERUKA (Visualization)” of IT Projects (Midstream Process)
Preface
Chapter 1 MIERUKA (Visualization) Objectives in Midstream Process
Chapter 2 Overall View of MIERUKA (Visualization) in Midstream Process
Chapter 3 Qualitative MIERUKA (Visualization) Tools
Chapter 4 Quantitative MIERUKA (Visualization) Tools
Chapter 5 Integrated MIERUKA (Visualization) Tools
Chapter 6 Project Management through MIERUKA (Visualization) of the Midstream Process
Conclusion

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Appendix 2. Interview Sheet
Appendix 3. Project Trouble Events and Countermeasures (Summary of Problem Projects)
Appendix 4. Midstream Process Analyzing Tool
Appendix 5. Measured Analysis Data Table
Appendix 6. MIERUKA (Visualization) Tools and References
Appendix 7. About Knowledge Area
Appendix 8. Activity of SEC and the Project MIERUKA committee

References

[4] “MIERUKA (Visualization)” of IT Projects (Downstream Process)
Preface
Chapter 1 Overall View of MIERUKA (Visualization) of IT Project
Chapter 2 Project Management of MIERUKA (Visualization)
Chapter 3 MIERUKA (Visualization)
Chapter 4 IERUKA (Identification)
Chapter 5 NAOSERUKA (Correction)
Chapter 6 Description of Research related to MIERUKA (Visualization)

Appendix

MIERUKA (Visualization) Tools and References

Appendix 2. Check Sheet (Self-Check Sheet)
Check Sheet (Interview Sheet)
Appendix 3. Project Trouble Events and Countermeasures (Summary of Problem Projects)
Appendix 4. Measurement Item List
Appendix 5. Analyzing Indicator of EPM tool
Appendix 6. Case Classification Table
Appendix 7. About Knowledge Area
Appendix 8. Activity of SEC and the Project MIERUKA committee

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3. Index of English Edition

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