



REPORT OF THE COSMIC MEASUREMENT PRACTICES COMMITTEE 2014/15

Charles Symons, MPC Chair

Agenda



COSMIC Method v4.0.1

- Other publications over the last 12 months
- Publications in the pipeline

The Measurement Manual v4.0.1 (April). Some technical changes

- Definition of NFR excludes project requirements & constraints
- 'Data movement uniqueness' rule does not now allow 2 DM's to differ due only to different data manipulation; exceptions clarified
- 'Error/confirmation message' definition now limited to human functional users

4.0.1 – Several editorial clarifications & simplifications

- New section on 'types' versus 'occurrences'
- Improved definitions of:
 - Functional process
 - Data group
 - Object of interest
- Improved explanation of how 'data manipulation' is *accounted for* by data movements



Translations need upgrading to **v4.0.1**

Published:

- Chinese

In progress:

- French, Italian, Portuguese, Spanish

To do:

- (v2.2) Arabic
- (V3.0) Dutch
- (V3.0.1) German, Polish, Turkish

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Guidelines

Updated to v4.0.1:

- 'Guideline for Sizing Service-Oriented Architecture Software', v1.1, (March)
- 'Guideline for sizing Data Warehouse Application Software', v1.1 (April)

New:

- 'Guideline for Early or Rapid COSMIC Functional Size Measurement by using approximation approaches', v1.0 (July)



The joint COSMIC/IFPUG Glossary

- 'Glossary of terms for Non-Functional Requirements and Project Requirements used in software project performance measurement, benchmarking and estimating', v1.0 (September)
- Excellent collaboration with IFPUG
- Very wide input

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New Guidelines under development

- 'Guideline on Non-Functional & Project Requirements. *How to consider non-functional and project requirements in software project performance measurement, benchmarking and estimating*', v1.0, (October)
- 'Guideline on how to convert 'First Generation' Function Point sizes to COSMIC sizes', v1.0, (end of 2015?)



Other publications under development or being updated

New

- 'COSMIC Data Model' (for tool builders)

Updates:

- 'Guideline for the use of COSMIC FSM to manage Agile projects'
- Quick Reference Guides
- Course Registration case study v2
- Rice Cooker case study

Minor defect corrections and more clarifications



Some issues must be solved together

Issues:

- Recommended ways of recording CFP measurements can be time-consuming
- Measurement repeatability
- Support to developers of automatic size measurement tools

Parts of the solution:

Goal: to improve speed and repeatability of measurement:

- Extend Measurement Strategy patterns to include measurement patterns
- The COSMIC Data Schema
- Improved recommendations on how to record measurements
- Open source tools

More ideas ?

- Guideline for measuring mobile applications*
- Guideline for UML/COSMIC mapping*
- Guideline for measuring workflow software*
- Project Estimating?
- Guideline on functional size metrics for project managers?

What else do we need? Priorities?

Volunteers to start work?

* Research and background papers, articles, etc. available



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C O S M I C

www.cosmic-sizing.org