

Using Function Point Analysis for Project Tracking and Earned Value Analysis

Steve Keim

s.keim@davidconsultinggroup.com

September 18, 2008

The David Consulting Group
Achieving Software Excellence

www.davidconsultinggroup.com

Determining Project Progress

- For each element (function) of the Function Point Count, determine what phases are complete
- Each phase is a percentage of the overall project
- Apply the percentage for the completion of the corresponding phase for the function against the number of function points for that function to determine the contribution of that function to the overall project completion

Project Plan

- Setting up your project plan correctly means having projected completion dates established for each part of your work breakdown structure (functions by phase)
- Planned Value can be determined using the same approach as earned value – and associated to the dates on the plan.

Bibliography

- http://en.wikipedia.org/wiki/Earned_value_management
- Defense Systems Management College (1997). *Earned Value Management Textbook, Chapter 2*. Defense Systems Management College, EVM Dept., 9820 Belvoir Road, Fort Belvoir, VA 22060-5565.
- Fleming, Quentin; Joel Koppelman (2005). *Earned Value Project Management*, Third Edition, Project Management Institute. [ISBN 1-930699-89-1](#).
- Marshall, Robert A. (2006-11-09). [The contribution of earned value management to project success on contracted efforts: A quantitative statistics approach within the population of experienced practitioners](#). PMI (www.pmi.org).
- (1998) *ANSI EIA-748A Standard*, June 1998, Electronic Industries Alliance.
- Sumara, Jim; John Goodpasture (1997-09-29). [Earned Value -- The Next Generation -- A Practical Application for Commercial Projects](#).
- Goodpasture, John C. (2004). *Quantitative Methods in Project Management*. J. Ross Publishing, pp. 173-178. [ISBN 1-932159-15-0](#).
- Sulaiman, Tamara (2007-01-08). [AgileEVM -- Earned Value Management The Agile Way](#). Agile Journal.