

PLMIG

PLM Interest Group

PLM Maturity Reference Manual

Version 1.0

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0 Executive Summary

This *PLM Maturity Reference Manual* has been produced as the first step on the journey to develop a comprehensive and useable PLM Maturity Reference Model (MRM) that is accepted as an industry standard.

PLM Maturity is a massively complex subject, and the PLMIG MRM initiative is the first to address it in a formal and comprehensive way. This Manual therefore has three aims:-

- (i) to set out the basic framework of theory on which the MRM will be based;
- (ii) to provide the first outlines of the Maturity assessment methodologies that can be used; and,
- (iii) to show to a PLM manager or team the activities that can be undertaken now in their own organisation to assess and improve its PLM Maturity.

By bringing together this material for the first time, the Manual fulfils the general need of industry for an open PLM standard that can be debated and developed, and the detailed need of PLM implementors for guidance within their own organisations.

The Manual explains the main issues of PLM Maturity to establish the context, and describes the scales, or metric criteria, against which Maturity can be scored. It then sets out two alternative assessment methodologies:-

- a Structure-Based approach, for organisations familiar with other conventional models such as CMMI
- an Activity-Based approach, for organisations which may prefer a more project-oriented, adaptive methodology

For each approach the logic and sequence of events is set out, so that the PLM Team can plan and execute the Assessment. There are no check lists in this version of the Manual, but at this stage there do not need to be. Every organisation will apply the Maturity Assessment in its own context, and generate its own roadmap and follow-on projects from the results.

This version of the *PLM Maturity Reference Manual* was created by members of the PLMIG based on a 3-day workshop held in Paris, France in December 2006, and will be updated by future events as the MRM initiative continues.

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