

PPDO-096
Inter-operability, Product life Cycle Management and Standards for Design and Manufacturing Engineering

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Abstract

Information exchange for integration of design, engineering analysis and manufacturing applications into single seamless environment is the objective of product life cycle proposals and programs. Currently, this objective is generally driven by the CAD and enterprise integration industries through extensions of CAD and/or enterprise based software such ERP.

This project addresses three areas of study: 1) Economic of standards for a networked manufacturing economy, 2) identification of needs for standards for Product life cycle management and to develop proto-standards and 3) development and role of tools in the standards development process. Development of a standards development tool could lead to major impact on the future of standards development and subsequent commercial potential beyond national standards agencies for individual companies to develop internal information modeling standards.