

# Implementing ISO 26550:2013 model-based

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**Abstract** Engineering complex systems on time and within budget now requires implementing the concept of re-use not only by “cloning and owning” low-level artifacts, but also by including the notion of product lines into a suitable development process. The new norm ISO 26550, published in late 2013, defines a reference model for Product Line Engineering and Management of Systems and Software, and is in-line with other relevant Systems and Software Engineering norms like ISO 15288 for systems or ISO 12207 for software.

We will describe the new norm, its important concepts and terms, and we will show in this paper that Product Lines and a model-based approach for Systems Engineering are together ideally suited for pragmatically implementing a PLE process according ISO 26550:2013.

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