

Implementing an Organizational Software Process Improvement Program

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What is Process Improvement?

- Key activities involved to implement a set of processes for software engineering
- Focus of this article is on “meta-process” descriptions
 - Create, use, and improve on set processes
 - Referred to as a “program”
 - Steps outlined here similar to ISO/IEEE standards, IDEAL model, and “PDCA”

Planning for Process Improvement

- Programs commonly initiated due to quality issues with software development
- Routes must be planned as to how to begin modifying the software process
- These may be modeled by software such as Capability Maturity Model for Software (CMM) from Carnegie-Mellon University

