A multiprocess quality model: Identification of of key processes in the integration approach

Abstract

In this paper we investigate the use of multiprocess quality model in the adoption of process improvement frameworks. We analyze an improvement effort based on multiple process quality models adoption. At present, there is a possibility of a software development organization to adopt multi-quality and improvement models in order to remain competitive in the IT market place. Various quality models emerge to satisfy different improvement objective such as to improve capability of models, quality management and serve as IT government purpose. The heterogeneity characteristics of the models require further research on dealing with multiple process models at a time. We discuss on the concept of software process and overview on software maintenance and evolution which are important elements in the quality models. The concepts related to process quality model and improvement models are discussed. The research outlined in this paper shows that software processes, maintenance, evolution, quality and improvement have become really important in software engineering. The synergy among the multi-focused process quality model is examined with respect to process improvement. The research outcome is to determine key processes vital to the implementation of multi-process quality model.