

International Software quality models and standards

Answer the following questions

Q1) what is CMMi

CMM is capability maturity model. It is a model and standard of process improvement that can be used to increase the quality of software development. The key concept of the standard is organizational maturity. A mature organization has clearly defined **procedures** for software development and project management. These procedures are adjusted and perfected as required.

Q2) How standards like ISO 9000 and CMM are important for software quality

Because software quality can be improved by applying methodologies and procedures of these standards which were previously applied in other organizations and proofed to be applicable for the development of a good quality software.

Q3)what is the difference between iso9000 and ISO 9000-3.

ISO 9000 is a generic quality management standard while ISO 9000-3 is dedicated for software development. Any organization that is intending to implement ISO standards should start first with ISO 9000 and then use ISO 9000-3

Q4)How can CMMi, PSP, and TSP help to improve an organizations software quality?

CMMi is used to improve quality of the overall organization while TSP is used to improve the quality of a single team working on a particular project and psp is useful to improve the quality work of a single software engineer