Abstract

Requirements management is an essential part of software engineering. The changes occurring in the requirements of the software, if not handled properly, can lead to catastrophic failures. It is due to this reason that the proper management of requirements change is considered a critical part of software development. In this paper, a brief review on change management in requirements is presented. Moreover, general concepts of requirements change management are elaborated along with the information on related tools that are available for different aspects of requirements change management activities in the market. Last but not least, various tools proposed by different researchers on several categories of requirements change management are compared with each other. It has been observed that ‘requirements traceability’ tools are discussed more frequently in the literature than others, and find more support than other classes of requirements change management.


Index Terms
Keywords

Change Impact Analysis, Distributed Software Development, Features Tree, Global Software Development, Requirements Traceability