Abstract

Requirements are the basis for every project, defining what the stakeholders need from it and also the end product must meet in order to satisfy that need. Requirements therefore form the basis for project planning, risk management, acceptance testing, tradeoff and change control. They are the essential elements of the briefing, design and construction stages of any development projects. However, research on literature reviews the lack of identification, management and traceability of the requirements during the life cycle of construction projects in the AEC industry. In addition, research on Requirements Management (RsM) in AEC industry is very limited in comparison with Requirements Engineering (RsE) in the system and software world. The aim of paper is to investigate the need of research on Requirements Management (RsM) in the AEC industry. A comprehensive literature review on RsE/RsM in the system and software engineering as well as the AEC has been conducted. The findings, imperatives and challenges for Requirements Management are discussed in this paper. A vision for future research directions on Requirements Management is also provided. This research is of significant value to professionals and academics in the AEC industry for improvement of RsM processes to achieve successful delivery of the construction projects.