

應用FMEA提昇軍事工程委託PCM管理績效之對策

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摘要

Due to the reduction of human resources in our National Army, many military construction projects have to be fulfilled by entrusting technical services. In recent years, entrusting professional construction management (PCM) companies to manage military construction projects has become a fashion. As the two parties involved an entrusting relationship have different standpoints, there are usually some blind points of execution and collaboration in every stage of project management. As a result, the implementation effectiveness is generally lower than expected. Before setting up a new project, preliminary evaluations and operations that are simple, reasonable, and feasible should be established. Through these operations, factors which have potential influence on the project in the future can be identified and eliminated to reduce project risk, and cooperating firms can be propelled to fulfill duties as mandated in the contract. As a consequence, unexpected obstacles and unnecessary arguments can be avoided.

In this study, Failure Mode & Effects Analysis (FMEA) was adopted to explore the factors affecting the PCM performance in the current military projects. . Through continuous verification and modification, experience could be gradually accumulated and finally serve as a reference for the National Army to improve PCM performance in military projects.

關鍵字：FMEA, PCM, military engineering