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خلاصه مقاله:
System engineering is one of the most powerful tools for comprehensive project management and control. This tool emphasized the life cycle of the projects, manages every single activity and helps manage the main elements of the project through a set of management and engineering processes. The goal of the current study is to use a system engineering approach in design phase in order or to meet operational needs. This study proposes a conceptual design process with system engineering approach which institutionalizes configuration management, risk management, change management, requirements management and integration during the entire design process. The results indicate a significant increase in meeting customer requirements and a positive increase in project quality. .Finally, the indicators of design documents created using this approach are provided as an example

کلمات کلیدی:
System Engineering, Requirement Management, integration, Product Design and Implementation Process, Parametric Design

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