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PROJECT KNOWLEDGE MANAGEMENT FRAMEWORK UNDER THAI SPACE CONSORTIUM

Abstract

The Thai Space Consortium (TSC) is a collaboration of government organizations in Thailand, which comprise the government organizations that have the necessary facilities, technology, and human resources to develop and support space or satellite projects under the TSC. The National Astronomical Research Institute of Thailand (NARIT) is a founding member of TSC. In addition, NARIT has been appointed the TSC secretary, in charge of project management and technical workplace. The primary cause of the discontinuity and failure of the majority of government projects in Thailand is project knowledge management (PKM) failures. It cannot fully implement the best project management practices due to Thailand's government regulations, particularly procurement processes and related official documents. It has less flexibility than the private sector. This paper presents the project knowledge management (PKM) framework of the TSC, which is strictly applied to the TSC-1 satellite project to accomplish the project under Thai government constraints. Furthermore, this paper also presents a centralized management system to demonstrate how to manage, monitor control stakeholders in charge of work packages with limited time, budget and resources. This framework can serve as a guide for developing country propelling the satellite project initiative.

Keyword: Thai Space Consortium, Project Knowledge Management, TSC-1 Satellite, Developing Country