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A knowledge management methodology to enhance knowledge transfer between concomitant projects under construction

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ABSTRACT

The aim of this research work is to develop a knowledge management methodology that will enhance knowledge transfer between concomitant projects under construction in the North West Operating Unit (NWOU), a Distribution division of South Africa's power utility, Eskom Holdings SOC Ltd. A qualitative study was done to determine the current status of knowledge management in the NWOU. The Construction Activity Based Knowledge Management (ConABKM) framework was applied as a benchmark to assess the state of knowledge transfer in the NWOU. The data indicated a lack of knowledge management implementation in the NWOU's construction projects; this ranges from utilisation of knowledge management techniques and technologies, implementation of knowledge management processes/activities and management failure. A knowledge management methodology for NWOU was then developed to address these challenges and enhance knowledge transfer between concomitant projects under construction.

Keywords: Knowledge, knowledge management, knowledge transfer, concomitant projects under construction, knowledge management framework, knowledge management methodology