CONCEPTUAL APPROACH MODELING FOR SUPPLY CHAIN EVENT MANAGEMENT IN PROCUREMENT PROCESS

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ABSTRACT

The objective of Supply Chain Event Management (SCEM) is enhancing supply chain business process to respond disruptive events including in procurement process. One of Indonesian Oil Company to timely accomplish any procurement processes that inline with one of company objective in supply chain fundamental i.e. right time objective. Nevertheless, as a contractor of Production Sharing Contract (PSC), it obliged to conducts several mandatory tasks within each of procurement process as guided by the Authority. Furthermore, numbers of procurement activities generated a requirement to have a support from tool which could monitor tasks, notify the person concerned, simulate action, control the quality of process and measure the performances (Steven & Kruger, 2004). Eventhough the company already equipped by two main systems i.e. ERP and ECM, the above requirements of support as tools could not be fully materialized. The research will be supported by data from the above mentioned two main systems. Modeling has been developed using ARIS Express 2.4 with the modeling base of ERM (Chen, 1976) that supported by event-based Computer-Aided Software Engineering, EPC (Mendling & Nuttgens, 2003) and BPMN to fulfill the major tasks of SCEM (Steven & Kruger, 2004).

Keywords : Supply Chain Event Management, Business Process Procurement Lead Time.