An Object-Oriented Approach to Organizational Procedure Modeling

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The central role of computational information systems supporting administration is the improvement of efficiency in programmable task processing and programmability of task process. How to utilize advanced information technology to program procedures and how to design computerized information systems to represent and execute procedures are one of the key issues in organizational computing.

In this paper, we introduce an object-oriented approach to procedure modeling especially focusing on the specification of the relationship between agents that perform the procedures. Based on the approach, we develop information systems modeling methodology, which captures three major components of information system : man, software, and hardware into an unified model.