ABSTRACT

Effective supplier management requires timely and accurate information to keep the purchase-to-delivery cycle short orders easy to track, and vendor performance simple to verify. Without automated, integrated procurement system, buyers can end up spending the majority of their time on non-strategic processes, such as tracking down order status, and maintaining their own spreadsheets for analysis. As a result, they may miss opportunities for mutually beneficial vendor negotiations and process efficiencies.

VICO has a fundamental problem in the procurement system. Currently they have supply chain system called CATS (Contract Administration Tracking System) that is used only for recording tools. This thesis will try to update the CATS system from recording tools to working tools by supplementing current CATS system with document management and vendor performance management.

As VICO recognizes that information captured from discrete transaction can be transformed into a technically feasible single repository of corporate memory, they realize the wealth of opportunity that can be gained. Enterprise information systems allow decision makers from diverse areas to access the information gathered by any other member of the organization. No longer are decisions made based upon data local to the decision maker's business process. Instead, data from the entire enterprise can be used in decision making.

Key words: Information System, System Design, Entity Relationship Diagram, Database
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