

Throughput impact of the strategic stabilizing capacity constraint  
resource by prolonging planning periods

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Abstract

The issue of capacity constraint resources (CCR) or bottlenecks wandering in product mix decision by applying TOC management philosophy has been mentioned and demonstrated in several papers. In this paper, the effect for prolonging the planning period (PPP) so as to stabilize the CCR is investigated. The results show that the effect for PPP alternative will be positive or negative which is depending on the environment condition. However, a majority cases which have positive effect for PPP alternative can be recognized prior knowing the marketing demand, which is significant in the real application.

Keyword : Theory of Constraints (TOC), Product Mix Determination, CCR Wandering, Strategic stabilizing CCR .