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**A net present value assessment of make-to-order and make-to-stock manufacturing systems**

M.M. Nain<sup>a,\*,</sup>, J. Wikner<sup>b</sup> and R.W. Grubbström<sup>b</sup>

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Received 5 August 2003; accepted 14 September 2005. Available online 7 November 2005.

**Abstract**

This paper shows the impact of using the net present value (NPV) on parameter selection in the ordering policy of a production planning and control system. Using a well understood and documented model, the net present value is used as an objective function to determine the discounted future variance costs resulting from the model's dynamics. The NPV of the variance

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Keywords: System dynamics; Dynamic modeling; Financial performance

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