

## **An empirical comparison of periodic stock control heuristics for intermittent demand items**

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**Abstract:** Intermittent demand patterns are common amongst spare parts. Typically, the inventories related to intermittent demand SKUs are managed through periodic stock control solutions, though the specific policy selected for application will depend upon the degree of intermittence (slow/fast intermittent demands) associated with the SKUs under concern. In this research, the performance of some periodic stock control heuristic solutions that are built upon specific demand distributional assumptions is examined in detail. Those heuristics have been shown to perform well for differing spare parts demand categories and the investigation under concern allows insight to be gained on demand classification related issues.

**Keywords:** Spare parts management, intermittent demand, stock control, empirical analysis