



Research School for Operations
Management and Logistics

Forecasting Spare Part Demand using Service Maintenance Information

Sarah Van der Auweraer – KU Leuven

We improve inventory management of critical spare parts that are used for service maintenance. We make stocking decisions based on forecasts of the future spare part demand. These demand forecasts make use of information on the maintenance policy, the installed base of the part, and its failure behaviour. The research is motivated by and conducted in close cooperation with an Original Equipment Manufacturer.