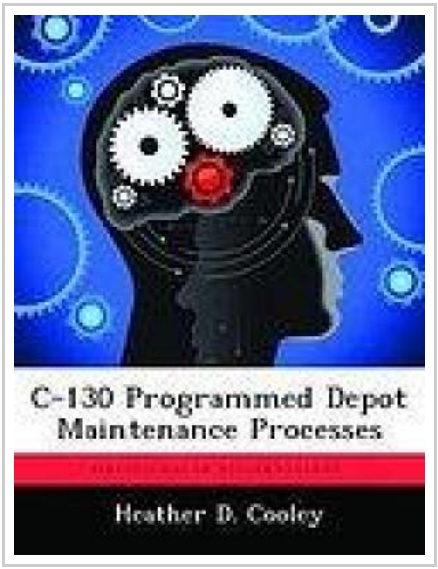

C-130 Programmed Depot Maintenance Processes

By Heather D. Cooley

Bibliioscholar Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x5 mm. This item is printed on demand - Print on Demand Neuware - The C-130 is a tactical airlifter and has been in steady use for decades in austere deployed locations. The inspection program to ensure its sustainment has faced increasing workload requirements due to structural issues related to heavy use and aging materials. The most in-depth inspection is the Programmed Depot Maintenance (PDM) inspection and is accomplished at two Air Logistics Centers (ALCs). In recent years, both centers have experienced increased maintenance time and decreased on-time production rates, with Due Date Performance (DDP) rates as low as 30%. This negatively impacts aircraft availability and mission capability. Another challenge facing the ALCs is the ongoing transition to High Velocity Maintenance (HVM), which is intended to improve aircraft availability to meet mission requirements. This study utilizes a simulation model to assess the impact of adding dock spaces and the impact of prioritizing one aircraft variant over other variants. The model represents the expectation for the entire PDM inspection process based on technical data inspection requirements for the C-130 fleet. Data was generated using expected (scheduled) flow times for major sub-processes from induction...

Reviews

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