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4.3-O1. Increase Data Availability and Reduce Logistical Support Cost through Maintenance Management Information Systems

Maintenance management information systems (MMIS) have evolved over the past decade to provide real time system design configuration with "error free" data, maintenance tasks with step by step instructions, and auto-populate reports used for logistical support and resource optimization is enabled by integrating parts marking with machine readable code with the MMIS. As the number of parts and system increases the need to provide "error free" data also increases. Limiting the number of data fields a user has to input reduces the opportunities for error because the MMIS auto-populates required data fields or provide drop down menus. Reports constructed within the MMIS are standardized and formatted to show the necessary information required in many different types of report. Step by step maintenance instructions can be integrated into the MMIS and will track all maintenance actions performed on the system. When procedures change, they are quickly and easily transmitted to all users throughout the globe. Incorporating the advances in MMIS will reduce logistical downtime, increase data availability, and cost effectiveness through logistical support optimization and improved process management capability.

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