



Highlights

- Automate asset life-cycle management in complex operational environments
 - Meet compliance reporting requirements for real-time asset configuration data
 - Evaluate operational status more accurately
 - Increase shop floor productivity
 - Reduce rotatable and repairable inventory costs
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Maintenance, repair and overhaul for aviation

Effectively manage complex assets

Managing complex, high-technology assets, such as aircraft and missile and defense systems, has become increasingly complex due to advances in technology, changes in business processes, increased safety and security concerns, heightened competition and rising costs. Maximizing the availability, reliability and performance of assets and asset-based services through better maintenance, repair and overhaul (MRO) capabilities is more critical to success than ever before.

The core of the maintenance, repair and overhaul solution for aviation from IBM is IBM® Maximo® Asset Configuration Manager, which allows organizations to better support their unique processes within engineering maintenance programs, line maintenance, airframe, engine and component maintenance, and outsourced service management. The solution helps companies meet the stringent requirements of regulatory bodies while adhering to industry standards. Best practices built into the solution can help extend asset life; optimize spare parts, rotatable and repairable inventory; reduce maintenance incidents; and better control maintenance checks.

This IBM solution enables you to manage as-designed, as-built and as-maintained asset configuration, component life accounting and equipment operational status information that is critical to the success of your operation. You can better manage assets through the maintenance and overhaul process, and more accurately track the current status of historical changes to the configuration of assets and their components. As a result, maintenance and engineering gain an automated asset life-cycle management capability that helps provide a real-time calculation of both an asset's build—from install or remove transactions—and a component's life—from install or remove and usage transactions—including the real-time application of meter formulas.



Our maintenance, repair and overhaul solution provides key capabilities designed to help optimize your critical assets. Solution features include:

- Assets application for managing physical builds of aircraft and other complex configuration-managed assets with a Build Data Interpreter (BDI) that constantly tracks and validates changes to builds, and flags components that do not comply with defined configuration rules.
- Technical records management for critical time-dependent maintenance or design change tasks that typically apply fleet-wide, supporting records that include airworthiness directives, service bulletins, configuration rules, change documentation, customer service notices, engineering and design publications, and fleet-level and component-level projects.
- Flight logs that allow users to create logs, record flight and sortie details, track pilot reported problems (PIREP), record maintenance evaluations, initiate recertification work orders, and record the crew and crew certifications.
- Specify deferral actions for work through a formal process, and track status and revision.
- Creation of a complex dynamic value list framework based on a range of attributes—including model, build item and label—and related to the events management application.
- Fleet management and fleet forecasting of maintenance events to monitor future work and align assets based on fleet utilization and maintenance due dates, resource totals, labor and material costs related to work requirements.
- Dynamic maintenance planning and work packaging to manage the content and structure of preventive maintenance activities, and the alignment of maintenance location capability and capacity.

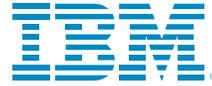
Additionally, the solution's enhanced capabilities can help you implement a service-centric business model that takes advantage of the IBM Service Management approach. This business model encourages partnerships between the maintenance organization and its internal and external customers. It broadly supports third-party service providers by tracking relevant activities and monitoring asset and service performance to agreed service levels.

No matter the size of your organization or the number of your sites, our maintenance, repair and overhaul solution helps you manage your unique MRO business processes with agility. The aviation, aerospace and defense, and government industries have come to rely on IBM solutions to help optimize their asset management organizations, decrease the amount of time it takes to schedule and assign work, monitor and manage their efforts to meet safety and quality requirements, and reduce administrative time.

For more information

To learn more about our maintenance, repair and overhaul solution for aviation, please contact your IBM representative or IBM Business Partner, or visit:

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