



Navigating the MRO Supply Chain

Challenges and Strategies for Aerospace Directors of Maintenance (DOMs)

AVIONICS • COMPONENTS • DISTRIBUTION • ENGINES • MANUFACTURING/DER



The weight of ensuring a fleet of aircraft are flight-ready and on schedule, lands squarely on the shoulders of the DOM. Not only are they responsible for keeping aircraft properly maintained, it's the DOM's job to ensure compliance with all required aviation regulations.

Managing the maintenance, repair, and overhaul (MRO) of avionics, components, and engines should be a straight-forward operation. However, availability of parts required for safe takeoffs, flights, and landings is largely dependent on the DOM's access to a reliable MRO supply chain.

COSTS & BUDGETS

Compliant MRO parts are generally less expensive than new OEM parts, helping DOM's meet maintenance budgets and hedge against price fluctuations. However, reactive part sourcing is a costly, ineffective operational model at best. Relying on third-party resellers offers little control over turnaround times, inconsistent quality, and limited availability. With PAG's trademarked Inventory Supported MRO (ISMRO®), we can take these headaches out of the equation for you.

Strategies

- Use trusted MRO providers like PAG, who offer immediate parts accessibility and options to help reduce costs.
- Connect with our sales teams to leverage PAG's decades of experience and warehouses of inventory dedicated to supporting your needs.

DISRUPTIONS & DELAYS

MRO supply chains are highly complex and disrupted by global events such as pandemics, geopolitical conflicts, and natural disasters. Procurement delays can interrupt maintenance schedules and ground revenue generating aircraft. In fact, any pause in the flow of quality MRO parts can create inventory shortages, longer lead times, and higher costs.

Strategies

- Work with PAG to incorporate predictive maintenance technology to analyze real-time data from aircraft sensors and address issues before they escalate.
- Rely on us to reduce dependency on just-in-time (JIT) inventory with buffer stocks for high-demand and long-lead-time parts.

Avionics MRO Services, Sales, Repairs, Exchanges

Cockpit Panels, System Upgrades, Aftermarket Engineering & Installations

Eco-Friendly Coatings & Slurries for Direct Application or Distribution

200,000+ Flight-Ready Parts for Immediate Customer Access Worldwide

Comprehensive Fixed & Rotor-Wing MRO Services

Standardized Processes, Documentation, & Quality Management

Spares Inventory Consignment

*Helping customers stay in the air today,
and ahead of the curve tomorrow...*

DATA VISIBILITY & OBSOLECENSE

Without real-time data, DOMs struggle to make informed decisions, leading to overstocking, understocking, and maintenance delays. Monitoring parts repair progress and shipment status can be challenging. Over time, sourcing spares for older systems becomes increasingly difficult. Once obsolete, parts can no longer be repaired to meet regulation compliance — while at the same time technology continues to evolve.

Strategies

- Partner with PAG to immediately access comprehensive spares inventories and alternative solutions until parts can be replaced or upgraded.
- Incorporate digital supply chain management tools for real-time monitoring of parts availability, shipment status, and maintenance schedules.

REGULATION COMPLIANCE

Aviation is one of the most heavily regulated industries around the world. Stringent requirements from agencies such as the FAA (Federal Aviation Administration), EASA (European Union Aviation Safety Agency), and others may be revised without prior notification. Delays in compliance certifications can interrupt scheduled maintenance.

Strategies

- Contact PAG to learn about our standardized processes for certifications, documentation, audits, and quality control.
- Establish proactive communications with regulatory authorities to be informed before unexpected deadlines occur.

WORKFORCE GAPS

Irrespective of the era, the world of aviation maintenance consistently faces a shortage of skilled technicians and engineers specializing in MRO. Contributing to the shortage are technological advancements requiring ongoing updates, technician training, and specialized tools.

Strategies

- Collaborate with OEMs, and trusted MRO providers such as PAG to support training and recruiting initiatives that contribute to a highly skilled workforce.
- Make an early impression on aviation technical students by hosting instructional tours of your repair shops.

Conclusion

DOMs around the globe rely on PAG for tip-to-tail MRO support.

- ✓ 24 Repair Stations Worldwide
- ✓ \$240M+ Flight-Ready Parts Inventory
- ✓ 110+ Authorized OEM Product Lines
- ✓ 140,000+ Repairs Performed Annually



Inventory Supported
Maintenance • Repair • Overhaul