

AVIATION MRO DIGITAL MATURITY ASSESSMENT

Benchmark Your Aviation Maintenance Workflows



**Estimated
Completion
Time** Less
than 2
minutes

Evaluate where paper-based maintenance processes may be slowing execution and identify opportunities to improve compliance, efficiency, and operational visibility.

ASSESS YOUR CURRENT MAINTENANCE ENVIRONMENT

Identify where paper processes may be slowing maintenance execution and discover opportunities to improve compliance, visibility, and turnaround time.

Score each statement from 1 - 4

- 1 = Mostly Paper
- 2 = Hybrid Processes
- 3 = Mostly Digital
- 4 = Fully Integrated Digital

Digital Work Order Management

Question	1	2	3	4
Work orders are created and distributed digitally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance tasks are tracked in real time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technicians access work instructions digitally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Approvals and signoffs are digital	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Technician Workflow Execution

Question	1	2	3	4
Technicians complete tasks on tablets/mobile devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance documentation captured digitally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Historical records accessible instantly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parts, tools, and documentation linked to work orders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Compliance & Audit Traceability

Question	1	2	3	4
Maintenance records stored digitally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regulatory documentation produced quickly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electronic signatures provide traceability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compliance linked directly to work tasks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Maintenance Operational Visibility

Question	1	2	3	4
Leadership has real-time maintenance visibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dashboards identify delays quickly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance data used for forecasting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teams identify turnaround bottlenecks easily	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Industry Insight:

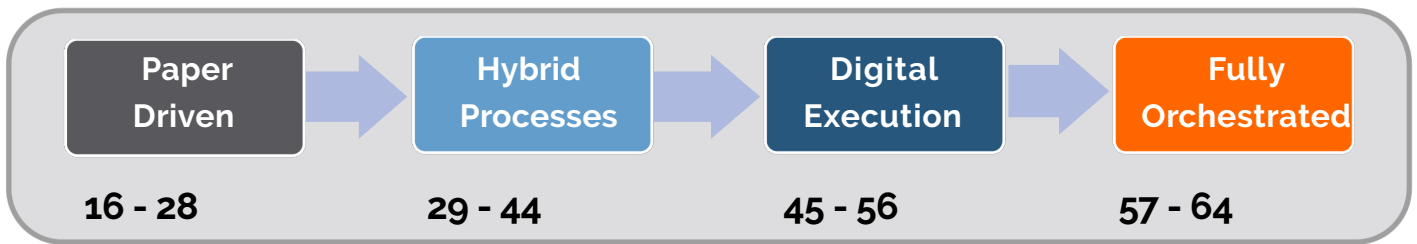
Many aviation maintenance organizations still rely on paper-based workflows, which can delay work execution, reduce operational visibility, and significantly increase audit preparation time.

RESULTS & BENCHMARK

Your MRO Digital Maturity Score

Add your responses. Maximum score = 64

MRO Digital Maturity Spectrum



Level 1: Paper-Driven Operations

16 – 28

Heavy reliance on manual processes and paper documentation.

Typical challenges

- Lost or misplaced paperwork
- Manual approvals and signoffs
- Delayed audits and limited operational visibility

Level 2: Hybrid Environment

29 – 44

Partial digital adoption but inconsistent execution.

Typical challenges

- Duplicate data entry
- Mixed documentation formats
- Limited workflow integration

Level 3: Digital Execution

45 – 56

Most workflows are digital and improving efficiency.

Benefits

- Faster documentation
- Stronger technician productivity
- Better compliance management

Level 4: Fully Orchestrated MRO

57 – 64

Maintenance execution is fully digital and integrated.

Benefits

- Real-time operational visibility
- Seamless documentation
- Predictable maintenance performance

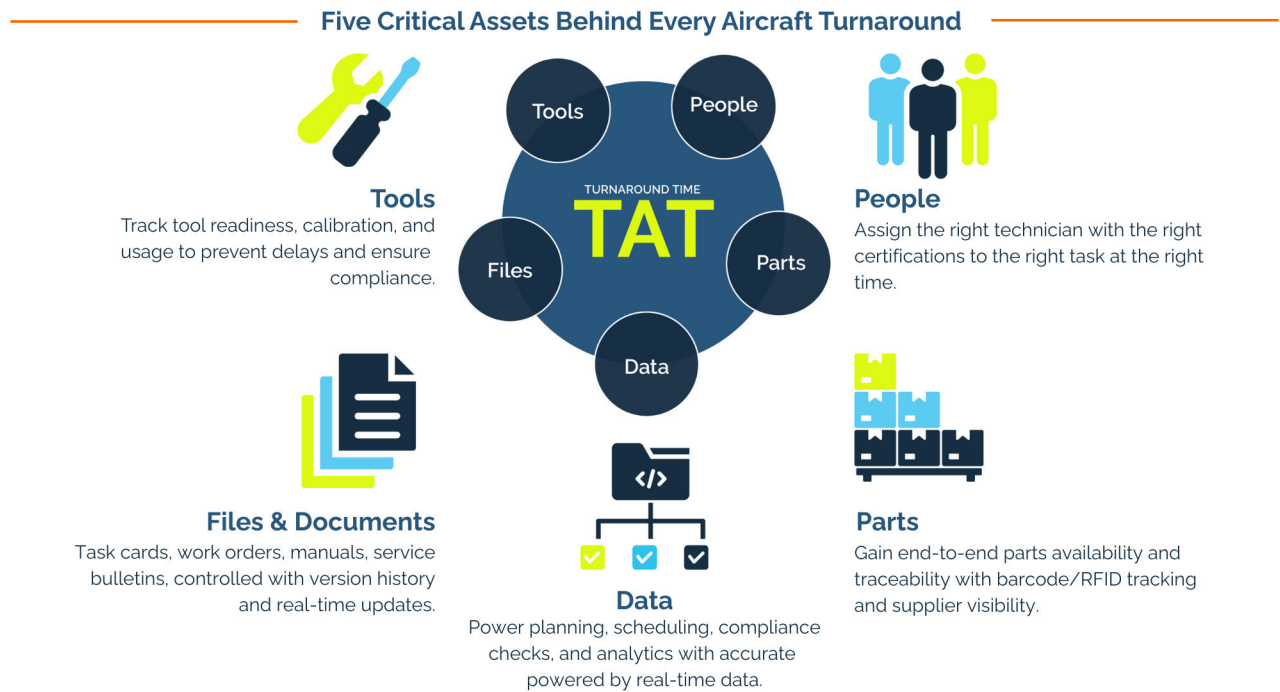
Ready to Modernize Your Aviation Maintenance Execution?

Impresa MRO software help aviation maintenance organizations connect people, parts, tools, files, and data to reduce turnaround time, improve compliance, and deliver real-time operational visibility.

Book a Demo: impresa-us.com

Digital aviation maintenance operations can deliver measurable improvements:

- 40% fewer documentation errors
- 80% reduction in audit preparation time
- Improved technician productivity and workflow visibility



© 2026 Impresa Corp. All rights reserved. This documents and its contents are the intellectual property of Impresa Corp. No part of this publication maybe reproduced, distributed, or transmitted in any form or by any means—electronic, mechanical, photocopying, recording, or otherwise — without the prior written permission of the publisher, except in the case of brief quotations used in critical reviews or scholarly works.

Impresa Corp. retains all rights to the methodologies, case studies, and concepts presented herein. For permissions or licensing inquiries, please contact: info@impresa-us.com

Disclaimer:

The information provided in this document is for general informational purposes only. While every effort has been made to ensure the accuracy and completeness of the content, Impresa Corp. makes no warranties, express or implied, and assumes no legal liability for the use of this information. Readers are encouraged to seek professional guidance specific to their operational or regulatory requirements.