

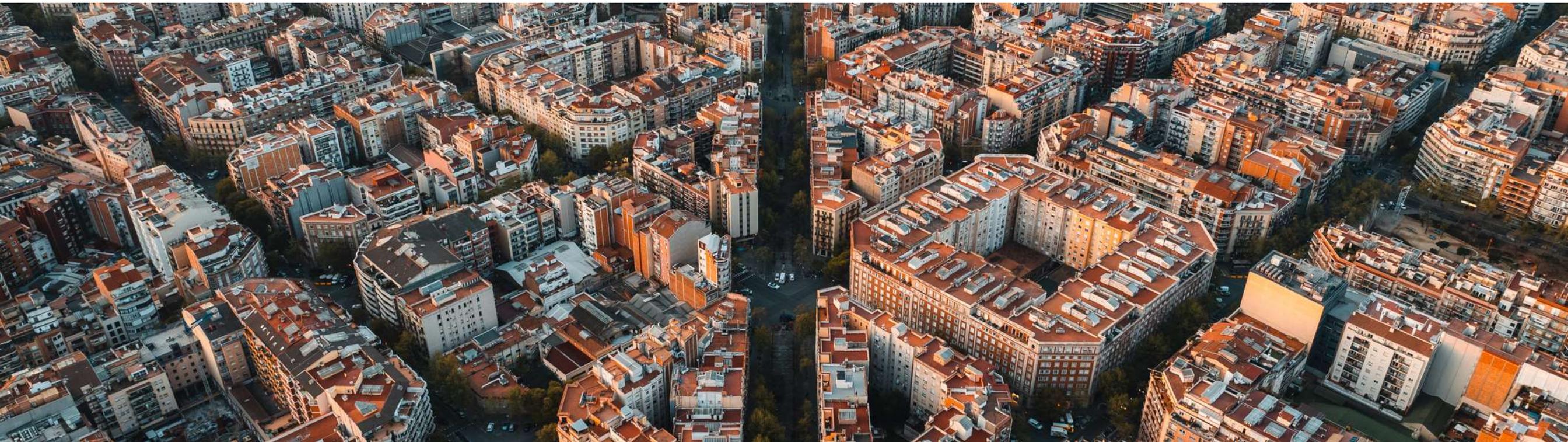
IATA

3rd MRO SMARTHUB FORUM

OCTOBER 22, 2024

BARCELONA, SPAIN





Development Agenda 2025 and IATA MCX

Garath Harries
Product Manager MRO SmartHub – IATA

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Development Outlook

 MRO SmartHub	2024	2025
Connector	Auto RFQ Response	MRO services
Evaluator	Decision Support	Decision Support v2
	Additional data sources	MRO services
Procurement Cockpit	Prototype	Initial version
Asset Manager	Asset Manager v4	
Teardown Module	Teardown Module v2	

Introduction to Maintenance Cost data eXchange (MCX)

www.iata.org/mcx
mcx@iata.org



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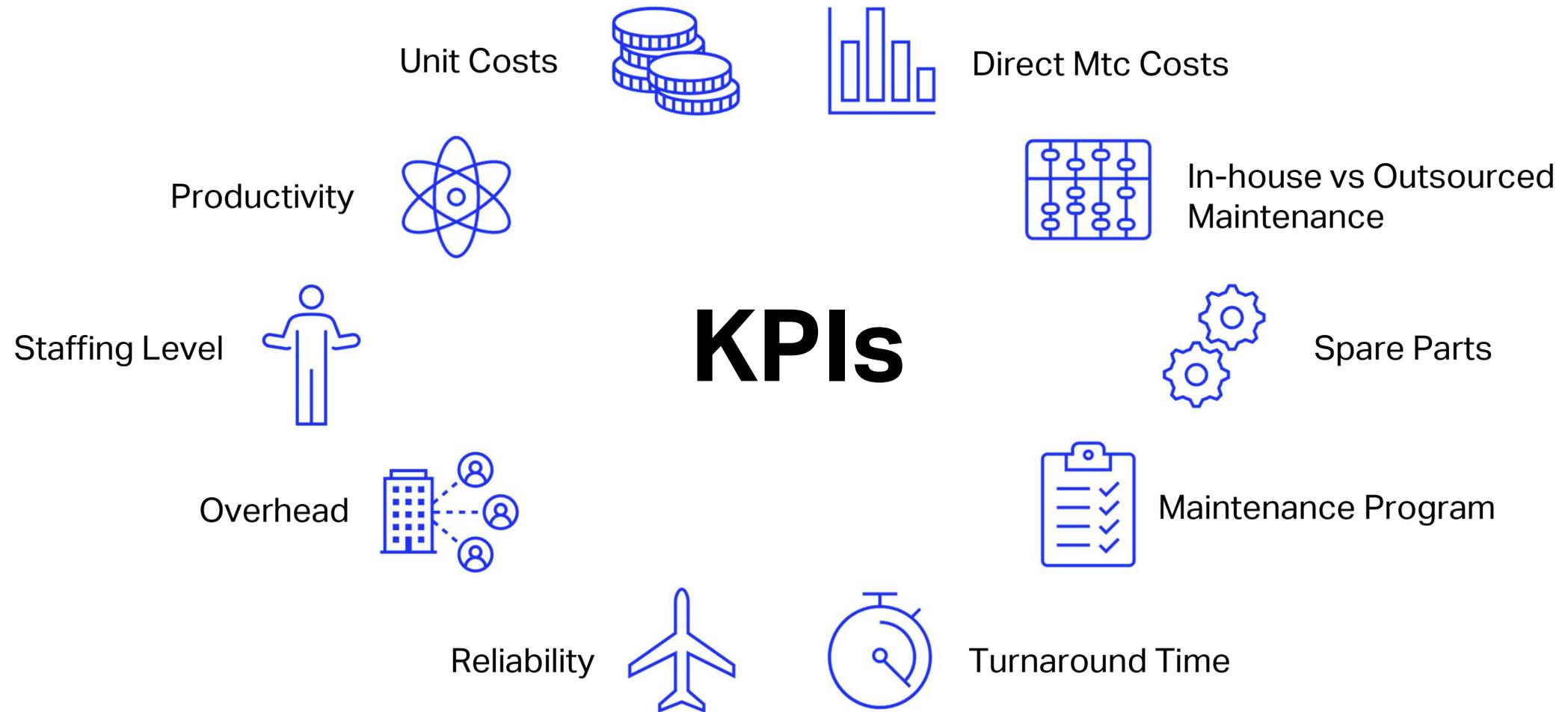
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About MCX

- Unique program with maintenance cost data since 2015; open to all airlines
- Free of charge, based on “give-to-get” principle
- Helps airlines understand maintenance costs and their drivers, support decisions on fleet management, and assess year-over-year trends.
- Provides the tools, the methodology and the definitions to allocate maintenance costs
- Annual data submission; de-identified and aggregated data

MCX Key Areas & Metrics



Exclusive MCX Membership Benefits

Annual Report



Airline Maintenance Cost Executive
Commentary
FY2022 Data

FY2022 Data Highlight – 31 Airlines			
Active Aircraft	2,815	Parked/Storage Aircraft	204
Maintenance Cost (\$/FH)	1,345	Parking/Storage Mtc Cost (\$/AC)	262
Maintenance Cost (\$/FC)	3,083	Parking/Storage (M/H/AC)	2,921
Average Utilization (hrs/day)	7.3	Parking/Storage Fees (\$/AC)	34



1 Airline Maintenance Cost Executive Commentary

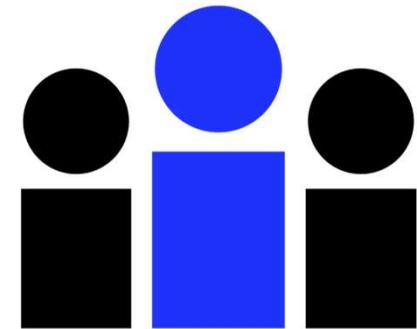
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Dashboards



1. Industry Overview
2. Operator Benchmark

Industry Group



Maintenance Cost Technical
Group ([MCTG](#))

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Where to find resources on MCX?

On the IATA site: www.iata.org/mcx

MCX Brochure

MCX report → public version

MCX Toolset → zip file also includes a user guide and sample data

Home > Services > Data Solutions > Global Aviation Data Management (GADM) > Aircraft Maintenance Cost Data eXchange (MCX)

RETURN TO SERVICES

Data Solutions >

Aircraft Maintenance Cost Data eXchange (MCX)

MCX is a data sharing program among the suite of programs by the IATA's Global Aviation Data Management, which provides benchmarking on aircraft maintenance costs. This program is available to member airlines at no cost.

Need Help? [Contact us](#)

MCX provides the tools, the methodology and the definitions to determine how much it costs an airline to maintain its fleet and support decisions in cases of new fleet introduction or expansion, "make vs. buy" assessment, year-over-year trends, etc.

We collect maintenance cost data from more than 50 airlines worldwide (representing about a quarter of the world's fleet and MRO spend) on an annual basis.

[Download MCX Brochure \(pdf\)](#)

Free tools for MCX contributors

Tools and reports are free and exclusive to airlines who contribute their aircraft maintenance cost data to the program.

Web-based Dashboard and Query Tool

Easy access to aircraft maintenance cost data:

- By aircraft & engine type
- By region
- By airline fleet size
- Per flight hour, per flight cycle, per AC
- By segments (line, base, component, engine)
- By segments (labor, material, subcontracted)

Comprehensive Analyses

Participating airlines receive the annual IATA Maintenance Cost Report with SME Insights, benchmark data, key performance indicators and 5-year trend analysis. A document worth distributing throughout your organization.

Check out an excerpt of the [FY2022 report \(pdf\)](#).

Join MCX

Participation in MCX is open to all airlines, including cargo, charter and low cost carriers.

If you are interested in joining the MCX program, download the latest version of the [MCX toolset \(zip\)](#) and submit your maintenance cost data at mcx@iata.org

Where to find resources on MCTG?

On the IATA site: www.iata.org/mctg

Guidance Material & Position Papers

Conference Material

Industry Agreements

Contact: mctg@iata.org

IATA
19th MAINTENANCE COST CONFERENCE
& 2ND MRO SMARTHUB USER FORUM
OCTOBER 4-6, 2023

Maintenance Cost Technical Group (MCTG)



IATA's Maintenance Cost Technical Group (MCTG) is the only airline volunteer group that gathers and analyzes maintenance cost. MCTG is dedicated to supporting Technical Operations (Maintenance and Engineering) in an environment where costs are ever increasing.

Need Help?
[Contact us](#)

DOWNLOADS

BENCHMARKING

CONFERENCES

AGREEMENTS

WEBINARS

ABOUT MCTG

Warranty Management Essentials - 1st Edition (2024)

The [Warranty Management Essentials](#) (pdf) provides a common understanding on warranties, explains the different contractual bases which could lead to a warranty claim and identifies claimable items related to warranty in aircraft maintenance.

Position Paper - Adopting Aircraft Electronic Records - 1st Edition (2024)

The [Adopting Aircraft Electronic Records position paper](#) (pdf) reviews some of the benefits, challenges, use cases and going forward steps as highlighted by recent surveys of the aviation industry. This pulse-check of priorities and lessons shared by aviation stakeholders is a snapshot of themes and elements dominating at this time the digital transformation wave of the aviation operations domain.

White Paper on AHM - 2nd Edition (2023)

IATA's white paper [From Aircraft Health Monitoring to Aircraft Health Management](#) (pdf) provides an overview of the status, perspectives, and challenges which the community of AHM stakeholders is engaged in. The document initial release (in Feb 2022), cumulating several aspects of the AHM path evolution, dominant themes, and main takeaways, was updated (in Nov 2023) to include AHM relevant achievements and changes emerged in the meantime. This white paper is geared to incite involvement of airlines, OEMs, regulators and other relevant actors to join forces in shaping the AHM solutions that civil aviation needs.

Aircraft Operational Availability - 2nd Edition (2022)

The [Aircraft Operational Availability](#) paper (pdf) aims at defining the different types of availabilities based on a common approach developed by operators and aircraft manufacturers, the measure being done on the unavailability times. It enables the identification of the Aircraft Unavailability drivers in planned and unplanned maintenance activities to identify all possible causes that will result in an aircraft becoming unavailable.

Guidance Material and Best Practices for Life-Limited Parts (LLPs) Traceability - 1st Edition (2020)

IATA's [Guidance Material and Best Practices for LLPs Traceability](#) (pdf) covers all topics that play a role in back-to-birth traceability of aircraft life-limited parts (LLPs). It's meant for a technical audience (engineers working at the airline technical/engineering departments as well as technical representatives from leasing companies, parts providers & distributors). It explores key challenges of capturing data/information and gathering support documentation to enable tracking of LLPs, and provides a methodology for accurate traceability of LLPs through their lifecycle. It tackles technical, regulatory, legal and commercial considerations.

IATA MRO SmartHub User Feedback

Participation from our community is the key in helping continue to deliver the benefits that MRO SmartHub offers to our customers.

- ❖ Better understand your needs and priorities
- ❖ Guide the product roadmap
- ❖ Identify and prioritize community change requests
- ❖ User feedback on features and functions



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Thank you!

Any questions?

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