



MRO AMERICAS 2019 AGENDA

Agenda Subject To Change*
(Updated April 3, 2019)

DAY ONE – Tuesday, April 9, 2019

8:00 a.m. Registration Opens

8:20 a.m. – 9:45 a.m.

Session 101/201 -- Rm 308 - 309	
Welcome	Military All Access
Chairperson's Remarks: Leo Warmuth, FedEx	Military All Access
Airline Keynote - Ed Bastian, CEO, Delta Air Lines	Military All Access
MRO Lifetime Achievement Award + Nuts and Bolts	Military All Access

8:20 a.m. Welcome
Ed Hazelwood, Editor-In-Chief Conferences, Aviation Week Network
Greg Hamilton, President, Aviation Week Network

8:30 a.m. Chairman's Remarks
Leo Warmuth, MD Aircraft Engineering & Technical Planning, FedEx

8:45 a.m. Airline Keynote Fireside Chat
Ed Bastian, CEO, Delta Air Lines
Joe Anselmo, Editor-In-Chief, Aviation Week Network

9:30 a.m. Aviation Week Network's MRO Lifetime Achievement Award + 53rd Annual Airlines for America Nuts and Bolts Award
Lee Ann Shay, Chief Editor MRO, Aviation Week Network
Greg Hamilton, President, Aviation Week Network
Robert Ireland, MD Engineering & Maintenance, Airlines for America
Leo Warmuth, MD Aircraft Engineering & Technical Planning, FedEx Express

9:45 a.m. - 10:45 a.m.

Session 102/202 -- Rm 308 - 309	
Annual Industry Analysis and Forecast	Military All Access

Session 102: Annual Industry Analysis and Forecast
 Back by popular demand, leading aviation experts analyze the status and trends of the MRO and aviation industries, including challenges and opportunities for the future.
Dave Marcontell, SVP, Oliver Wyman / CAVOK
Kevin Michaels, Managing Director, AeroDynamic Advisory

10:30 a.m. Exhibition Hall Opens

10:45 a.m. Break

11:00 a.m. - 12:00 p.m.

Session 103/203 -- Rm 308 - 309	
Big Data = Cost Savings	Military All Access

Session 103: Big Data = Cost Savings
 Where will you invest the money and time efficiencies you can gain from the Big Data outcomes you'll learn in this session? Outcomes such as improved quality, maintenance efficiency, shorter TATs, lower costs and increased safety. Leaders in this emerging field share insights, outcomes and measurable business returns from Big Data—in MRO and across the aviation spectrum. Speakers will also explore the challenges ahead. This is the one Big Data session you should attend.
Moderator: Lee Ann Shay, Chief Editor MRO, Aviation Week Network
Eva Azoulay, VP Engine Services, Pratt & Whitney
Anne Brachet, EVP, Air France- KLM Engineering/MRO
Ghislaine Doukhan, EVP, Safran Analytics
Valerie Manning, SVP of Customer Support, Airbus
Dawen Nozdryn-Plotnicki, Director, Analytics Solutions, Boeing Global Services

12:00 p.m. Lunch Break

1:00 p.m. - 1:45 p.m.

Session 105 -- Rm 304-305	Session 205 -- Rm 312	Session 405 -- Rm 314
STATE OF THE AIRLINE - Copa Airlines	MALMS Forecast	Hosted Session
<i>Airline Individual Follow-up (Side Room 311) 45min</i>		

Session 105 : State of the Airline - Copa Airlines
 Copa Airlines operational and technical leadership candidly share their fleet status and upcoming projects for 2019-2020. They will provide an in-depth overview on what's new in tech-ops, their challenges and issues, and expectations from the aftermarket.

Rafael Samudio, Sr. Director, Technical Procurement & Contracts, Copa Airlines
Ahmad Zamany, VP Technical Operations, Copa Airlines

Session 205: Military Aviation Logistics & Maintenance Forecast

We will take a detailed look at the defense logistics and maintenance marketplace both in the U.S. and internationally. We'll cover the hard numbers and examine the trends, issues and strategies being implemented across the spectrum.

Moderator: Dr. Fred Cleveland, Managing Director, Operations, Transportation and Logistics, PwC

John Johns, CEO, Gryphon Defense Group

Brig Gen John Kubinec, Commander, Warner Robins Air Logistics Complex, USAF

Tim Matthews, (RADM Ret.) VP F-35 Sustainment Operations, Lockheed Martin

Michael Tint, Sr. Manager, Intelligence & Data Services, Aviation Week Network

Session 405: Hosted Session

Complimentary session! This session is open to all attendees of MRO Americas.

<i>Product Briefings</i>	
1:00 -1:30 p.m.	Session 305A: Rm 213 -
1:30 - 2:00 p.m.	Session 305B: Rm 214 - Component Control

1:00 p.m. - 1:30 p.m.

Session 305A: Product Briefing - Rm 213

Complimentary session! This session is open to all attendees of MRO Americas.

1:30 p.m. - 2:00 p.m.

Session 305B: Product Briefing - Rm 214 - Component Control

Complimentary session! This session is open to all attendees of MRO Americas.

Analytics in Optimizing Aviation MRO and Aftermarket Business Performance

Airlines and MRO's generate vast amounts of data when managing their businesses. Data analytics build top-level analysis of financial, sales, inventory, labor, and turn-around performance. Best practices can then be achieved through benchmarking and monitoring real-time conditions to optimize MRO and other aftermarket operations. This session will demonstrate how well-designed analytics enable optimization, efficiencies, and high-quality operations.

1:45 p.m. Break

2:00 p.m. - 2:45 p.m.

Session 106 -- Rm 312	Session 206 -- Rm 314	Session 406 -- Rm 304-305
STATE OF THE AIRLINE - Spirit Airlines	MALMS Predictive Logistics	Hosted Session

<i>Airline Individual Follow-up (Side Room 311) 45min</i>		
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Session 106: State of the Airline - Spirit Airlines
 Spirit Airlines operational and technical leadership candidly share their fleet status and upcoming projects for 2019-2020. They will provide an in-depth overview on what’s new in tech-ops, their challenges and issues, and expectations from the aftermarket.
Barry Fitzgerald, Director, Detroit Maintenance Operations, Spirit Airlines
Jim Kimball, Director, Maintenance Control, Spirit Airlines
Kirk Thornburg, VP Technical Operations, Spirit Airlines

Session 206: Predictive Logistics - Critical to Move Forward
 Anticipating issues before they happen can save the military significant money. Predictive logistics creates the capability for Condition-Based Maintenance (CBM.) With the use of sensors on critical parts, data and analytics make it possible for predict logistics requirements, predict parts needs, predict utilization rates, and more. Data is at the heart of faster military logistics. This session will look at efforts underway, what needs to be improved and the transformative potential.
Moderator: Dawen Nozdryn-Plotnicki, Director, Advanced Analytics, Boeing Global Services
Dennis D’Angelo, Dir. 448th Supply Chain Management Wing, Air Force Sustainment Center
Col. Robert Jackson, Chief Mobility Aircraft Division, Air Mobility Command, USAF
Debbie Naguy, Head Air Force Life Cycle Management Center, Product Support Engineering Division

Session 406: Hosted Session
 Complimentary session! This session is open to all attendees of MRO Americas.

<i>Product Briefings</i>	
<i>2:00 - 2:30 p.m.</i>	<i>Session 306A: Rm 213 - Ramco Systems Corporation</i>
<i>2:30 - 3:00 p.m.</i>	<i>Session 306B: Rm 214 - Eastman Aviation Solutions & Delta Tech Ops</i>

2:00 p.m. - 2:30 p.m.
Session 306A: Product Briefing - Rm 213 - Ramco Systems Corporation
 Complimentary session! This session is open to all attendees of MRO Americas.

L-3 MAS Improving Customer Service with Ramco Aviation Software
 Learn how L-3 MAS, Canada’s premier In-Service Support (ISS) integrator that offers its military and commercial customers a full range of Aircraft maintenance solutions, is using Ramco Aviation MRO software to streamline and optimize process-intensive activities, reduce TAT, and generate customer specific reports to meet the stringent requirements of its CC150 program.

2:30 p.m. - 3:00 p.m.

Session 306B: Product Briefing - Rm 214 - Eastman Aviation Solutions & Delta Tech Ops
 Complimentary session! This session is open to all attendees of MRO Americas.

Customer Needs vs. Technological Advancement: Who's Driving?

The airline industry can be described as ultraconservative in relation to safety, reliability, and consistency. However, the industry has seen tremendous advances in equipment technology since the dawn of powered flight a little over 100 years ago. This session will look into the future, examining potential stimuli for advancing turbine oil and hydraulic fluid products and services. How can we reconcile these drivers with the specific needs of equipment designs and the airlines as customers?

2:45 p.m. Break

3:00 p.m. - 3:45 p.m.

Session 107 -- Rm 314	Session 207 -- Rm 312	Session 407 -- Rm 304-305
STATE OF THE AIRLINE - American Airlines	MALMS Aging Aircraft - The Readiness Conundrum	Hosted Session Digital Advancements in Aviation
<i>Airline Individual Follow-up (Side Room 311) 45min</i>	MIL to Exhibit Hall	

Session 107 State of the Airline - American Airlines

American Airlines operational and technical leadership candidly share their fleet status and upcoming projects for 2019-2020. They will provide an in-depth overview on what's new in tech-ops, their challenges and issues, and expectations from the aftermarket.

Craig Barton, VP Technical Services, American Airlines
John Beavers, VP Engineering, Quality and Training, American Airlines
Kevin Brickner, SVP Technical Operations, American Airlines

Session 207 Aging Aircraft - The Readiness Conundrum

The average age of US Air Force aircraft has spiked to 27 years this decade. The increasing age of the Air Force fleet has a direct impact on readiness and mission-capable rates. Examples include about half of all B-1s and B-2s being grounded at any given time. Readiness declines also impact the F-15D, F-16C and D and F-35 fighters to mention just a few. Not only does the aging fleet affect mission capability but it also increases the demand for maintenance. And it is not just about the airframe. Engine obsolescence is a major issue too. The Air Force needs to revitalize old engines in new ways. This session will explore solutions to improve readiness and mission capability.

Moderator: Alex Ledesma, Military Business Director, HEICO Defense
Lt. Gen. Warren Berry, Deputy Chief of Staff for Logistics, Engineering and Force Protection USAF
CAPT Chris Janke (USN Ret), Govt. Relations & Sales Manager, Ontic
Kurt Vogel, GM Military & Govt. Programs, Delta TechOps

Session 407: Digital Advancements in Aviation

Hosted By: Collins Aerospace

Complimentary session! This session is open to all attendees of MRO Americas.

Every day, digital innovations propel the aviation industry forward. As these new, intelligent technologies are implemented, the industry is also working hard to validate the technology and build consumer trust. This panel will cover the many ways digital advancements are positively impacting the aviation industry and why we should be excited for what's to come!

Moderator: Shiv Trisal, Aftermarket Digital Strategy Lead, Collins Aerospace
Thomas Carroll, Flight Operations, Delta Air Lines
Justin Keppy, Vice President, Aftermarket Strategy & Growth, Collins Aerospace
Ahmad Zamany, VP Technical Operations, Copa Airlines

<i>Product Briefings</i>	
3:00 - 3:30 p.m.	Session 307A: Rm 213
3:30 - 4:00 p.m.	Session 307B: Rm 214

3:00 p.m. - 3:30 p.m.

Session 307A: Product Briefing - Rm 213 -

Complimentary session! This session is open to all attendees of MRO Americas.

3:30 p.m. - 4:00 p.m.

Session 307B: Product Briefing - Rm 214 -

Complimentary session! This session is open to all attendees of MRO Americas.

3:45 p.m. Break

4:00 p.m. - 4:45 p.m.

Session 108 -- Rm 304 - 305	Session 408 -- Rm 314
STATE OF THE ENGINE OEM - Pratt & Whitney	Hosted Session
<i>Individual Follow-Up (Side Room 311)</i>	

Session 108 State of the Engine OEM - Pratt & Whitney

Pratt & Whitney technical leadership candidly shares their engine program status and upcoming projects for 2019-2020. They will provide an in-depth overview on what's new in technology, their challenges and issues, and expectations from the aftermarket.

Paul Finklestein, Director - Marketing, Pratt & Whitney

Hamish Guthrie, General Manager - Columbus Engine Center, Pratt & Whitney

Arun Srinivasan, Senior Manager - Engine Health Management, Pratt & Whitney

5:30 p.m. Conference Adjourns for the Day

DAY TWO - Wednesday, April 10, 2019

8:00 a.m. Registration Opens

8:30 a.m. - 10:15 a.m.

Session 110/210 -- Rm 308 - 309	
Welcome	Military All Access
Airline Executive Discussion	Military All Access
Military Keynote	Military All Access

8:30 a.m. Welcome

8:45 a.m. Airline Executive Discussion

MRO decision makers from leading airlines address the most pressing challenges and issues they are facing in an evolving MRO landscape:

- How serious is the workforce shortage in MRO and what are the airlines doing to address it?
- What strategies are the airlines using to attract and retain talent?
- Where do they see the greatest potential for adoption of new technology?
- What are the key decision drivers in deciding to outsource MRO work?
- What are their expectations in the aftermarket?

Moderator: Abdol Moabery, President & CEO, GA Telesis

Jack Arehart, President, MRO Services, Delta TechOps

Colin Donohoe, Director, Heavy Maintenance and Business Partner Relations, JetBlue

Robert Ireland, MD Engineering & Maintenance, Airlines for America

Maarten Koopmans, VP Component Services, AFI KLM E&M

9:30 a.m. Military Keynote

Kenneth D. Watson, Deputy Assistant Secretary of Defense for Materiel Readiness

9:30 a.m. Exhibition Hall Opens

10:15 a.m. Break

10:30 a.m. - 11:15 a.m. CONCURRENT SESSIONS

Session 111 - Rm 313	Session 112 - Rm 314	Session 113 - Rm 312	Session 213 Rm 302-303	Session 413 -- Rm 304-305
OEM Benchmarks - Airline Customer Satisfaction	Blockchain for MRO: All Hype or the Next Revolution?	Connecting the Aging Aircraft: Issues and Opportunities	<u>MALMS</u> Software Sustainment: Overtaking Hardware in Terms	<u>Hosted Session</u>

			of Complexity and Cost	
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Session 111: OEM Benchmarks - Airline Customer Satisfaction

The relationship between airlines and OEMs does not end at the point of sale. What else are the airlines looking for the OEMs to deliver? What is the current status of intellectual property rights and operational data sharing concerns? How can OEMs help to reduce MRO costs for the airlines?

Moderator: Timothy J. Kuder, PMP, Senior Industry Analyst - Aerospace & Defense, Frost & Sullivan

Phil Bathurst, Managing Director, EAMS, Embraer

Lewis Prebble, SVP - Customers, Americas, Rolls-Royce

Session 112: Blockchain for MRO: All Hype or the Next Revolution?

The potential gains of using blockchain technology for aviation are huge. But its application will present challenges and implementing it safely will take time. Our experts will cut through the hype and weigh in on the real-world potential for blockchain in aviation and the MRO industry. How will it cut costs and provide efficient and secure record keeping? What key factors might delay or prevent adoption? How quickly can we expect adoption in an industry plagued by the sluggish adoption of new technology?

Moderator: Jim Clarke, VP - Planning & Performance, HAECO Americas

JD Marymee, CTO and Technical Evangelist/Principal SDE Architect, Microsoft

Jim Regenor, Founder, Blockchain Resources Group

Rachel Parker Sealy, Principal, PwC

Session 113: Connecting the Aging Aircraft: Issues and Opportunities

This session takes an all-encompassing look at the many issues and opportunities to be found in the aging aircraft market. As aircraft stay in the fleet longer, the increased need for maintenance of mature fleets creates many opportunities for MROs. How are independent MROs competing with OEMs in this market? What needs to be considered when retrofitting older aircraft with new technology to enable parts monitoring and predictive maintenance? What are the certification challenges of these modifications? How long do they need to stay in service for these upgrades to pay off?

Moderator: Raman Ram, Partner, McKinsey & Company

Yasin Birinci, SVP PPC, Turkish Technic

Martin Friis-Petersen, SVP MRO Programs, MTU Aero Engines

Rob Wilson, CEO, Turbine Aero

MALMS

Session 213: Software Sustainment: Overtaking Hardware in Terms of Complexity and Cost

Software is defining the capabilities of weapons systems and is growing exponentially. For example, 90% of the avionics requirements for the F-35 rely on software. New lines of code to existing hardware create advances and new capabilities. Software upgrades and maintenance are now required at the depot as a "core capability" by statute. However almost nothing in

government is oriented to software sustainment. In order to achieve this capability aircraft depot's need access to OEMs IP. Contractors want to keep control of their IP and do the maintenance. It becomes a skills and cost issue for the government. This session will look at the services needs and progress at the depot level and hear from the industry on their perspective.

Moderator: Michael Mclendon, Software Engineering Institute
Michael Jennings, Group Director, 76 Software Maintenance Group
Dr. John Seel, Distinguished Engineer for Warfare Systems Software, NAVSEA
Jim Sutton, Director Global Strategy & Relations, Northrop Grumman Corp.

Session 413: Hosted Session

Complimentary session! This session is open to all attendees of MRO Americas.

11:15 a.m. Room Change / Break

11:30 a.m. - 12:15 p.m. CONCURRENT SESSIONS

Session 115 -- Rm 302-303	Session 116 -- Rm 312	Session 117 -- Rm 313	Session 118 -- Rm B310	Session 217 Rm 304-305	Session 417 -- Rm 314
FAA Regulatory Update	Risk Management of New Technologies	Parts Traceability and Alternative Parts	Case Study: Ethiopian Airlines & Rhinestahl Corporation	MALMS Military Global Logistics	Hosted Session Increasing MRO Efficiency with AI and NLP

Session 115: FAA Regulatory Update

Key FAA personnel provide a high-level overview of the Agency's priorities and plans for 2019 and beyond. This session will cover administrative and regulatory updates as well as the status of current projects and upcoming developments affecting the MRO industry.

Kim Davies, Manager, Safety Standards, Aircraft Maintenance Division, FAA
Thomas Winston, Deputy Director, General Aviation Safety Assurance Office, FAA

Session 116: Risk Management of New Technologies

What do airline operators have to look out for when incorporating the disruptive technologies that are revolutionizing the MRO industry? This session will focus on how to best manage and mitigate the risks to operations that come with integrating new equipment, procedures, and hardware into their current MRO strategy.

Moderator: Steve Hampson, Director, Guidehouse
Greg Lambert, Business Manager, Tech Ops, Endeavor Air
Jim Mach, Director of Maintenance, Frontier Airlines
Richard Ross, SVP IT, Atlas Air
Don Wright, VP - Maintenance Operations, United Airlines

Session 117: Parts Traceability and Alternative Parts

What is the state of the current teardown market? Is it diversifying? This session will assess traceability in the future of heavy asset teardowns. What challenges and opportunities should be considered and what is the expectation for impending demand? What is the future of PMA in a world of heavy asset teardowns?

Moderator: Jason Dickstein, General Counsel, ASA

Benjamin Boehm, EVP, Wencor

Rudy Bryce, General Manager, Material and TrueChoice Transition, GE Aviation Materials

Rob Hill, Head of Business Development, Aviation Technical Services

Nestor Rodriguez, Corporate Director of Quality Assurance, HEICO Corporation

Session 118: Tooling Life Cycle – A Case Study with Ethiopian Airlines

This case study will dive into the relationship between Rhinestahl CTS and Ethiopian Airlines — from the start of the order, to the continued future of Ethiopian’s tooling. Focus points include:

- Shop optimization for tooling
- How Airline MRO’s and tooling providers partner to ensure smooth EIS’s
- Educating attendees of the pain points MRO shops face and how they work together with the OEM tooling provider
- The importance of technical capabilities and the life cycle of tooling.

Tradan Chase, Technical Program Manager, Rhinestahl CTS

Tamerayehu Danse, Director, Engine Maintenance, Ethiopian MRO

Addisu W.T. Hailu, Sr. Project Engineer - Engine Maintenance, Technical Support, Ethiopian Airlines

Brandon Lafferty, Director Aftermarket Services, Rhinestahl CTS

MALMS

Session 217:

Military Global Logistics

Dealing with the pre-planned and the unexpected. “Parts is parts” as the expression goes, but while the mechanics of the logistics process may be similar to what FedEx and UPS does globally, the requirements are often different and more intricate. Security, regulations, and in theater conditions mount significant challenges. How does the military provide for secure shipping on a global scale involving heavy lift and heavy haul to remote locations? What more can the industry do in an intermodal fashion to get the job done on time and efficiently. How can we meet the needs around the world of what the warfighter says he needs?

Moderator: Mark Buongiorno, Vice President & General Manager, StandardAero San Antonio

Jeffrey Allen, Director Landing Gear PBL, AAR Corp.

Maj. Gen. Allan Day, Director of Logistics, Civil Engineering, Force Protection and Nuclear Integration, Headquarters Air Force Materiel Command

Session 417: Increasing MRO Efficiency with AI and NLP

Hosted By: SparkCognition

Complimentary session! This session is open to all attendees of MRO Americas.

AI-powered predictive and prescriptive maintenance solutions are revolutionizing aerospace maintenance operations—leaving behind the preventative maintenance paradigm and instead enabling “as needed” maintenance.

Cognitive solutions analyze sensor data to flag anomalous operating states and identify impending failures long before they occur. Natural language processing (NLP) takes aerospace

manufacturers and operators from predictive maintenance into the realm of prescriptive maintenance, recommending the most effective maintenance procedures to fix the issues based on historical data. Together, these solutions reduce the time an aircraft has to spend on the ground and enable operators to increase availability while reducing maintenance costs.

Jim Fitzgerald, VP, Aerospace & Defense, SparkCognition

12:15 p.m. Break / Room Change

12:30 p.m. - 1:00 p.m.

Session 119/219 -- Rm 308-309	
Keynote	Military All Access

Session 119: Keynote Address
How to Further Optimize Aircraft Availability, Streamline Flight Ops and Enhance In-Flight Experience
Rémi Maillard, Head of Services by Airbus

1:00 p.m. Lunch Break

1:45 p.m. - 2:30 p.m. Concurrent Sessions

Session 120 -- Rm 314	Session 220 -- Rm 312	Session 420 -- Rm 313
STATE OF THE ENGINE OEM - GE Aviation and CFM	MALMS	<u>Hosted Session</u>
<i>Individual Follow-up (side room 311)</i>	Additive Manufacturing: Disruption in Future Design	Crossing the Digital MRO Divide

Session 120: State of the Engine OEM - GE Aviation & CFM
 GE Aviation technical leadership candidly shares their engine program status and upcoming projects for 2019-2020. They will provide an in-depth overview on what's new in technology, their challenges and issues, and expectations from the aftermarket.
Moderator: Bill Dwyer, General Manager, Services Marketing, GE Aviation
Vic Adams, Regional General Manager for GE/CFM Customer & Product Support, Americas Region, GE Aviation
Dan Fermon, General Manager, Component Repair, GE Aviation
Kris Shepherd, Director of LEAP-1B Programs, GE Aviation

MALMS

Session 220: Additive Manufacturing: Disruption in Future Design
 Additive Manufacturing is disruptive. While it is currently in a learning and process improvement stage it is fully expected that the way aircraft engines are designed and maintained will change substantially. Additive, or 3D printing as it is called, simplifies systems, reduces supply chain costs and accelerates design innovation. In a recent "science project" GE Additive started a complete redesign of an advanced turboprop engine. Weight was reduced by 5% and parts dropped from

855 to just 12 parts. This session will look at the advantages and its impact on military aircraft sustainment.

Moderator: Carol Howitz, President, Logistics Officer Association

Mark Shaw, Additive Leader, GE Additive

Paula Hay, Executive Director, Additive Design and Manufacturing, Collins Aerospace

Chris Saldana, Additive Lead, Georgia Institute of Technology

Session 420: Crossing the Digital MRO Divide

Hosted By: Capgemini

Complimentary session! This session is open to all attendees of MRO Americas.

Innovations follow a common lifecycle pattern – from visionary hype to difficult disillusionment to value-added productivity. Likewise, organizations follow adoption patterns of early visionaries, pragmatists, conservative followers and laggard skeptics. Capgemini presents its 2019 industry survey results on the adoption of MRO innovations such as interactive voice computing, service parts optimization, predictive maintenance, connected aircraft operations and the autonomic airline. Which innovations have stalled and which are accelerating? Industry leaders give their perspectives on what is delivering operational and financial value; what new business models these innovations are enabling; and what is in store for the future.

Session Leader: Michael Wm. Denis, Director, Aviation & Aerospace, Capgemini

Norman Baker, SVP Digital Transformation for Customer Services, Airbus

David Doyle, Head of Business Development, Innovation Management & Product Development, Lufthansa Technik

Mike Fleming, VP Commercial Services, Boeing Global Services

Gary Hammes, VP Engineering and Quality, Delta TechOps

MRO Americas - PANEL CALL

Product Briefings	
1:45 - 2:15 p.m.	Session 320A: Rm 213 - Realization
2:15 - 2:45 p.m.	Session 320B: Rm 214 - FedEx

1:45 p.m. - 2:15 p.m.

Session 320A: Product Briefing - Rm 213 - Realization

Complimentary session! This session is open to all attendees of MRO Americas.

Reduce Flight Cancellations and Increase Aircraft Utilization: How to optimize maintenance using constraints based management

Even with resource constraints, supply chain constraints, and maintenance uncertainties, it is possible to reduce turnaround times and create maintenance buffers. These buffers help you extend the operating cycle of the aircraft beyond the scheduled cycle time. This presentation showcases case studies and best practices from a few of the more than 75 MROs who have implemented these buffers to increase aircraft availability.

2:15 p.m. - 2:45 p.m.

Session 320B: Product Briefing - Rm 214 - FedEx

Complimentary session! This session is open to all attendees of MRO Americas.

Blockchain Goes Global

Blockchain technology is just one of many databases, however, what it does well will change the world. Where authenticity is important, and MRO and Aerospace are examples of that¹²¹¹², blockchain will transform industries. Also, when combined with sensor-based logistics, it will create a secure chain of custody that is unparalleled today. In the spirit of ‘coopetition,’ it will take a village to build it, which is why blockchain is referred to as a ‘Team Sport.’

2:30 p.m. Break

2:30 p.m. - 4:30 p.m.

Session 121 -- 310
Start-Ups Stand Up for Innovation

Session 121: Start-Ups Stand Up for Innovation

‘Powered by Starburst. Focused on Technology and Industry Revolution’

In these innovation lightning talks, start-ups looking to change and stimulate the industry will get ten minutes only to pitch their products and solutions to MRO Americas attendees. A live judging panel of industry experts will join you in listening to these entrepreneurs make exciting presentations on what they believe will invigorate and transform the industry. We will combine the audience and judges votes to determine the winner in this emerging technology session. Led by Starburst Accelerator, this session seeks to show you the best of what is out there and give you renewed passion for and insight into the future of the industry with comments and feedback from our industry experts.

2:45 p.m. - 3:30 p.m.

	Session 221 -- Rm 314	
	MALMS	
	Mil to Exhibit Hall	

MALMS Digital MRO

Session 221: In a desire to improve performance and cost of future programs the military aircraft industry is embracing Digital MRO. This will be done by the capture of data throughout a product's lifecycle, from design all the way through to MRO and then through detailed analysis. It incorporates the concepts of digital thread and digital twin. It includes overlaying aircraft performance data on digital mockups, linking configuration data with operating conditions or combining other aspects of operations, design and manufacturing. This digital records management capability will enhance capability and reduce costs. How does this get enabled? How is the data managed? How are decisions made and acted upon? How can it be kept secure?

- Moderator: Lorenzo Marandola, President, M1 Composites Technology**
- Timothy Abbott, Manager, Digital Transformation Technology, Moog, Inc.**
- Dennis D’Angelo, Dir. 448th Supply Chain Management Wing, Air Force Sustainment Center**

Jim Fitzgerald, Director, Aerospace Manufacturing, SparkCognition

Session 421: Hosted Session

Complimentary session! This session is open to all attendees of MRO Americas.

Product Briefings	
2:45 - 3:15 p.m.	Session 321A: Rm 213 - EmpowerMX
3:15 - 3:45 p.m.	Session 321B: Rm 214 -

2:45 p.m. - 3:15 p.m.

Session 321A: Product Briefing - Rm 213 - EmpowerMX

Complimentary session! This session is open to all attendees of MRO Americas.

Exclusive Interviews with Successful MRO Leaders

Maintenance efficiency, quality and improved TAT are all required attributes for successful MROs today. This panel will discuss how MROs are creating successful environments through the deployment of Planning, Production & Control technologies. Critical factors have all converged to create opportunity never before possible in this industry. Featured speakers include leaders from Embraer, GOL, Coopesa, Tech Ops Mexico, and EmpowerMX.

3:15 p.m. - 3:45 p.m.

Session 321B: Product Briefing - Rm 214 -

Complimentary session! This session is open to all attendees of MRO Americas.

3:30 p.m. Break

3:45 p.m. - 4:30 p.m.

Session 123 -- Rm 314
STATE OF THE AIRLINE- WestJet
Airline Individual Follow-up (side room 311)

Session 123: STATE OF THE AIRLINE - WestJet

WestJet operational and technical leadership candidly share their fleet status and upcoming projects for 2019-2020. They will provide an in-depth overview on what's new in tech-ops, their challenges and issues, and expectations from the aftermarket.

John Kelly, VP Technical Operations, WestJet

5:15 p.m. Conclusion of Conference Day Two

DAY THREE - Thursday, April 11, 2019

8:00 a.m. Registration Opens

9:30 a.m. Exhibition Hall Opens

9:30 a.m. - 9:50 a.m.

Session 124 -- Rm 313
Lightning Session

Session 124: Lightning Session: You Say You Want a Revolution?

It's the topic the entire industry is talking about - Urban Air Mobility. A game changer for transportation and smart cities, what will this mean for the MRO industry as we know it today? Hear the current status and trends that experts are seeing in the emerging UAM market. What are the enablers moving this forward? And what does it mean for the future of MRO?

Jono Anderson, Partner, Aerospace/Defense & Auto Strategy, KPMG

9:50 a.m. Room Change / Break

10:00 a.m. - 11:00 a.m. **CONCURRENT SESSIONS**

Session 125 -- Rm 314	Session 126 -- Rm 313
3D Printing Challenges and Solutions	Beyond Predictive Maintenance

Session 125: 3D Printing Challenges and Solutions

With shorter lead times for spares and lower inventory costs for maintenance providers, the advantages are clear when it comes to 3D printing in MRO. Who is leading the way in additive manufacturing and what have they learned? How does this process allow for continuous improvement to the durability and performance of AM parts? What is the future of metal printing and rapid tooling?

Doug Hedges, President, Sintavia

Scott Sevcik, VP Manufacturing Solutions, Stratasys

Session 126: Beyond Predictive Maintenance

Big Data has taken the predictability of leading fleet maintenance failures to new levels. Going further than physical science, this session will examine using statistical science to get the most value from the data you already have. Airlines can fly more planned schedules by collaboration across data sets. The use of maintenance log pages to add to aircraft failure messages, thus turning data into useful and actionable information to controllers is one example. The opportunity exists to change unscheduled maintenance to scheduled maintenance enhancing aircraft availability. Data can impact more than maintenance but also improve overall operations.

Moderator: Fred Cleveland, Managing Director, Operations, Transportation and Logistics, PwC

Jim Tisdale, MD Engineering Planning & Performance, FedEx Express

Shawn Gregg, General Manager – Predictive Technology Engineering, Delta Air Lines

Edgardo Lozano, Connected Solutions Architect, Honeywell Aerospace

Kumar Satyam, Director Analytics, PricewaterhouseCoopers Advisory Services

11:00 a.m. Room Change / Break

11:15 a.m. - 12:15 p.m. CONCURRENT SESSIONS

Session 127 -- Rm 313	Session 128 -- Rm 314
Next Gen Engine MRO, Repair Technologies & EIS Support	High-Tech MRO: AI, Robotics & Extended Reality

Session 127: Next Gen Engine MRO, Repair Technologies & EIS Support

This session will explore the projected impact of incoming platforms as the industry approaches a new era of aero-engine technology. How can MROs ensure cooperation with OEMs, which tooling and repair processes should aftermarket players invest in and what challenges can suppliers expect?

Moderator: Brandon Lafferty, Director Aftermarket Services, Rhinestahl CTS
Mike Rezman, VP Business Development, Component Services, StandardAero
Dennis Santare, Managing Director, MRO, Americas, Proudfoot
Jamie Sismey, Marketing Executive – Americas, Rolls-Royce

Session 128: High-Tech MRO: AI, Robotics & Extended Reality

Industry 4.0 technology is a key driver in revolutionizing today's MRO. This session delves into the latest advancements in emerging technology that have everyone talking. Who is adopting and successfully utilizing AI, Robotics and Extended Reality? What obstacles are they facing and what lessons have they learned? This panel will get to the bottom of the major challenges and opportunities that come when embracing the future of MRO.

Moderator: Lee Ann Shay, Chief Editor MRO, Aviation Week Network
Josselin Bequet, CEO & Co-Founder, Donecle
Marlo Brooke, CEO and Founder, Avatar Partners
Jeff Peiter, Manager – Enabling Technologies, Delta Air Lines
David Piotrowski, Senior Principal Engineer, Delta Air Lines

12:15 p.m. - 12:30 p.m.

Aircraft Model Raffle -- Rm 313
Conference Adjourns

12:15 p.m. Aircraft Model Prize Drawing & Closing Remarks

12:30 p.m. 2019 MRO Americas Conference Concludes

1:00 p.m. Exhibition Hall and Registration Close

MRO Americas 2019 Confirmed Speakers

- **Vic Adams, Americas Regional General Manager for Customer & Product Support, GE Aviation**
- **Jono Anderson, Partner, Aerospace/Defense & Auto Strategy, KPMG**

- Joe Anselmo, Editor-In-Chief, Aviation Week Network
- Jack Arehart, President, MRO Services, Delta TechOps
- Eva Azoulay, VP Engine Services, Pratt & Whitney
- Norman Baker, SVP Digital Transformation for Customer Services, Airbus
- Craig Barton, VP Technical Services, American Airlines
- Ed Bastian, CEO, Delta Air Lines
- Phil Bathurst, Managing Director, EAMS, Embraer
- John Beavers, VP Engineering, Quality and Training, American Airlines
- Josselin Bequet, CEO & Co-Founder, Donecle
- Yasin Birinci, SVP PPC, Turkish Technic
- Benjamin Boehm, EVP, Wencor
- Anne Brachet, EVP, Air France- KLM Engineering/MRO
- Kevin Brickner, SVP Technical Operations, American Airlines
- Marlo Brooke, CEO and Founder, Avatar Partners
- Rudy Bryce, General Manager, Material and TrueChoice Transition, GE Aviation Materials
- Tim Butzmann, Senior Manager Digital Product and Portfolio, Lufthansa Technik
- Thomas Carroll, Flight Operations, Delta Air Lines
- Tradan Chase, Technical Program Manager, Rhinestahl CTS
- Jim Clarke, VP - Planning & Performance, HAECO Americas
- Fred Cleveland, Managing Director, Operations, Transportation and Logistics, PwC
- Michael Wm. Denis, Director, Aviation & Aerospace, Capgemini
- Jason Dickstein, General Counsel, ASA
- Colin Donohoe, Director, Heavy Maintenance and Business Partner Relations, JetBlue
- Ghislaine Doukhan, EVP, Safran Analytics
- David Doyle, Head of Business Development, Innovation Management & Product Development, Lufthansa Technik
- Bill Dwyer, General Manager, Services Marketing , GE Aviation
- Dan Fermon, General Manager, Component Repair, GE Aviation
- Barry Fitzgerald, Director, Detroit Maintenance Operations, Spirit Airlines
- Jim Fitzgerald, VP, Aerospace & Defense, SparkCognition
- Mike Fleming, VP Commercial Services, Boeing Global Services
- Shawn Gregg, General Manager – Predictive Technology Engineering, Delta Air Lines
- Addisu W.T. Hailu, Sr. Project Engineer - Engine Maintenance, Technical Support, Ethiopian Airlines
- Greg Hamilton, President, Aviation Week Network
- Gary Hammes, VP Engineering and Quality, Delta TechOps
- Steve Hampson, Director, Guidehouse
- Ed Hazelwood, Editor-In-Chief Conferences, Aviation Week Network
- Doug Hedges, President, Sintavia
- Rob Hill, Head of Business Development, Aviation Technical Services
- Robert Ireland, Managing Director Engineering & Maintenance, Airlines for America
- John Kelly, VP Technical Operations, WestJet
- Justin Keppy, Vice President, Aftermarket Strategy & Growth, Collins Aerospace
- Jim Kimball, Director, Maintenance Control, Spirit Airlines
- Maarten Koopmans, VP Component Services, AFI KLM E&M
- Timothy J. Kuder, PMP, Senior Industry Analyst - Aerospace & Defense, Frost & Sullivan
- Martin Friis-Petersen, SVP MRO Programs, MTU Aero Engines
- Brandon Lafferty, Director Aftermarket Services, Rhinestahl CTS
- Greg Lambert, Business Manager, Tech Ops, Endeavor Air
- Edgardo Lozano, Connected Solutions Architect, Honeywell Aerospace

- Jim Mach, Director of Maintenance, Frontier Airlines
- Rémi Maillard, Head of Services by Airbus
- Valerie Manning, SVP of Customer Support, Airbus
- Dave Marcontell, SVP, Oliver Wyman / CAVOK
- Frank Martens, Head of Sales, Digital Fleet Solutions, Lufthansa Technik
- Kevin Michaels, Managing Director, AeroDynamic Advisory
- Abdol Moabery, President & CEO, GA Telesis
- Dawen Nozdryn-Plotnicki, Director, Analytics Solutions, Boeing Global Services
- Jeff Peiter, Manager – Enabling Technologies, Delta Air Lines
- David Piotrowski, Senior Principal Engineer, Delta Air Lines
- Lewis Prebble, SVP - Customers, Americas, Rolls Royce
- Raman Ram, Partner, McKinsey & Company
- Jim Regenor, Founder, Blockchain Resources Group
- Mike Rezman, VP Business Development, Component Services, StandardAero
- Nestor Rodriguez, Corporate Director of Quality Assurance, HEICO Corporation
- Richard Ross, SVP IT, Atlas Air
- Rafael Samudio, Sr. Director, Technical Procurement & Contracts, Copa Airlines
- Dennis Santare, Managing Director, MRO, Americas, Proudfoot
- Kumar Satyam, Director Analytics, PricewaterhouseCoopers Advisory Services
- Rachel Sealy, Industrial Products Advisory Partner, PwC
- Scott Sevcik, VP Manufacturing Solutions, Stratasys
- Lee Ann Shay, Chief Editor MRO, Aviation Week Network
- Kris Shepherd, Director of LEAP-1B Programs, GE Aviation
- Jamie Sismey, Marketing Executive – Americas, Rolls-Royce
- Arun Srinivasan, Senior Manager, Engine Health Management, Pratt & Whitney

- Kirk Thornburg, VP Technical Operations, Spirit Airlines
- Jim Tisdale, MD Engineering Planning & Performance, FedEx Express
- Shiv Trisal, Associate Director, Digital Programs, Collins Aerospace
- Leo Warmuth, MD Aircraft Engineering & Technical Planning, FedEx
- Mark Wibben, VP Engineering & Programs , Southwest Airlines
- Rob Wilson, CEO, Turbine Aero
- Thomas Winston, Deputy Director, General Aviation Safety Assurance Office, FAA
- Don Wright, VP - Maintenance Operations, United Airlines
- Ahmad Zamany, VP Technical Operations, Copa Airlines

MALMS 2019 Confirmed Speakers

- Timothy Abbott, Manager, Digital Transformation Technology, Moog, Inc.
- Jeffrey Allen, Director Landing Gear PBL, AAR Corp.
- Lt. Gen. Warren Berry, Deputy Chief of Staff for Logistics, Engineering and Force Protection USAF
- Mark Buongiorno, Vice President & General Manager, StandardAero San Antonio
- Dr. Fred Cleveland, Managing Director, Operations, Transportation and Logistics, PwC
- Dennis D'Angelo, Dir. 448th Supply Chain Management Wing, Air Force Sustainment Center
- Jim Fitzgerald, Director, Aerospace Manufacturing, SparkCognition
- Paula Hay, Executive Director, Additive Design and Manufacturing, UTC Aerospace Systems

- **Carol Howitz, President, Logistics Officer Association**
- **Col. Robert Jackson, Chief Mobility Aircraft Division, Air Mobility Command, USAF**
- **CAPT Chris Janke (USN Ret), Govt. Relations & Sales Manager, Ontic**
- **Michael Jennings, Group Director, 76 Software Maintenance Group**
- **Brig Gen John Kubinec, Commander, Warner Robins Air Logistics Complex, USAF**
- **John Johns, CEO, Gryphon Defense Group**
- **Alex Ledesma, Military Business Director, HEICO Defense**
- **Lorenzo Marandola, President, M1 Composites Technology**
- **Tim Matthews, (RADM Ret.) VP F-35 Sustainment Operations, Lockheed Martin**
- **Michael Mclendon, Software Engineering Institute**
- **Robert H. McMahon, Assistant Secretary of Defense, Sustainment**
- **Debbie Naguy, Head Air Force Life Cycle Management Center, Product Support Engineering Division**
- **Dawen Nozdryn-Plotnicki, Director, Advanced Analytics, Boeing Global Services**
- **Mark Shaw, Additive Leader, GE Additive**
- **Michael Tint, Sr. Manager, Intelligence & Data Services, Aviation Week Network**
- **Steve Trimble, Defense Editor, Aviation Week Network**
- **Kurt Vogel, GM Military & Govt. Programs, Delta TechOps**
- **Kenneth D. Watson, Deputy Assistant Secretary of Defense for Materiel Readiness**