



AEROSPACE MAINTENANCE COUNCIL COMPETITION

PRESENTED BY

Snap-on[®]



Welcome to the Windy City!

The time has finally arrived for all of you to demonstrate your incredible knowledge, skills and integrity at The Competition 2024. Being here means that you have earned the privilege of representing your organization. Regardless of how you place, that alone should make you very proud.

A total of 90 teams are here in Chicago this week competing across 27 events. We are thrilled to announce that we also have a record number of female technicians participating, with six all-female teams, including our first ever all-female military team. Thank you all for coming out and showing the next generation of young women the possibilities available to them in aviation maintenance. The aircraft does not care what nationality, race, gender or age the technician is, and we are proud to offer this platform for all demographics in the industry.

No matter who you are or what brought you here, all of you are about to compete in the premier event for aviation maintenance. By the end of the week, six teams will have navigated the challenging events and emerged victorious in their respective divisions: Commercial Aviation, General Aviation, Space, Military, MRO/OEM and School.

One team will earn the honor of taking home the biggest prize in aviation maintenance – the William F. “Bill” O’Brien Award for Excellence in Aircraft Maintenance. Presented by Snap-on to the team with the overall winning score, the 5-foot-tall O’Brien Award is a traveling trophy that goes home with the winners to be displayed in their facility for a year. FedEx Express is vying to keep the award in Indianapolis for a third consecutive year – let’s see if anyone can top them this week!

While winning is undoubtedly on everyone’s mind, we encourage you to take time to network with the other teams. We’ve heard countless stories of connections made at The Competition turning into job opportunities, and your story could easily be the next to come.

We know for our part that this event would not be possible without our connections, specifically the countless volunteers and dedicated sponsors. Every year we are humbled, both by the amazing display of skill and the people who come together to help us put on this event. Please thank the volunteers as you see them. We could not offer this platform without their time and support.

In addition to presenting the O’Brien Award, our presenting sponsor Snap-on supplies tools for the events and contributes more than \$140,000 in tools and equipment as prizes for the top finishers. Snap-on, American Airlines, Pratt & Whitney and many other generous sponsors have once again stepped up to help make this year’s event bigger and better than ever, and for that we’re very grateful. A full list of our great sponsors is listed in the back of this program. Seek them out this week and thank them for their support.

We are so grateful that you are here with us in Chicago this week! Be sure to tell your friends and family at home that they can stream the event here: mroamc.live.

Good luck and have fun!



**The Honorable
John Goglia**

President, Aerospace
Maintenance Council



Ken MacTiernan

Chairman, Aerospace
Maintenance Council
Competition

SCHEDULE OF EVENTS

MONDAY, APRIL 8, 2024	
7:30 AM – 3:00 PM	Student & Military Competitor Tour of American Airlines & United Airlines
8:00 AM – 6:00 PM	Registration & Badge Pick-Up for MRO Americas — S100 Ballroom
8:00 AM – 12:00 PM	Event Setup — Booth 5448 <i>No competitors please</i>
3:00 PM – 4:00 PM	Judge Briefing — Room N227 <i>Judges only</i>
4:00 PM – 5:30 PM	Competitor Orientation — Room N227 <i>Competitors, coaches, and judges only</i>
TUESDAY, APRIL 9, 2024	
7:30 AM – 8:00 AM	Student Meet and Greet with American Airlines — Room N227
8:00 AM – 9:00 PM	Event Setup and Competitor Walk-Through — Booth 5448
9:00 AM – 5:30 PM	COMPETITION
11:30 AM – 1:30 PM	A-WING Student Luncheon — SA2B-SA2C
WEDNESDAY, APRIL 10, 2024	
7:30 AM – 8:00 AM	Military Meet and Greet with American Airlines — Room N227
8:30 AM – 5:30 PM	COMPETITION
1:00 PM – 5:00 PM	A-WING Student Chill Out — SA2B-SA2C
5:30 PM – 7:30 PM	After Party — Fatpour Tap Works
THURSDAY, APRIL 11, 2024	
9:00 AM – 12:00 PM	Award Ceremony — Room W192
1:00 PM – 9:00 PM	Event Breakdown

Livestreaming provided by  **AIREXPERT** at mroamc.live
 Check your scores (teams and judges) at www.amc-scoring.com

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 TEAM@AEROSPACECOMPETITION.COM

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EVENT GROUPING

Teams are responsible for assigning individual competitors to each event. Teams will compete in simultaneous events according to the following event group schedule:

GROUP	EVENT	MEMBERS REQUIRED
1	#1 Eastern Florida State Simulated Spacecraft Vacuum Loading	2
	#2 Alaska Airlines Wire Troubleshooting	1
	#5 8Tree & Alaska Airlines Airframe Damage Inspection	2
2	#3 American Airlines APU Starter	1
	#4 American Airlines Logo Light Harness Troubleshooting	1
	#6 Abaris Training Composite Repair	2
	#7 Av-DEC Antenna Gasket Installation Test	1
3	#8 Aviation Supplies & Academics Human Factors Exam	1
	#9 StandardAero Engine Fan Blade Removal	2
	#10 Perfect Point E-Drill Fastener Removal	1
	#11 Pratt & Whitney Fuel Nozzle Remove and Replace	1
4	#12 FedEx Express Safety Wiring	2
	#13 FedEx Express Cargo Floor Lock	1
	#21 U.S. Air Force Flex Fluid Lines	2
5	#15 PPG Aerospace Transparencies	2
	#16 PPG Aerospace Virtual Reality Paint Booth	1
	#17 PPG Aerospace Wing Sealant	2
6	#14 Southwest Airlines & The Boeing Company Thrust Reverser Control Fault Troubleshooting and Repair	1
	#18 Daniels Manufacturing Corporation Tooling for Wire Harness Assembly	1
	#19 Michelin Aircraft Tire Inspection	1
	#20 Moeller Aerospace Click-Loc® Challenge – We Won't Back Off	1
	#26 U.S. Army Helicopter Main Rotor Track & Balance Adjustment	1
7	#22 22: Barfield Fault Test	2
	#23 23: Barfield Antenna Testing	1
	#27 27: Gore D-Nose Leading Edge Sealing	2
8	#24 24: United Airlines Fuel Tank Entry Precautions	2
	#25 25: United Airlines Render Safe	3

The following teams are confirmed to participate in the 2024 event. Each team is assigned a team number that will be used as an identifier on the event schedule and score sheets.

NO.	TEAM NAME	CATEGORY
1	American Airlines - Chicago	Commercial
2	Tarrant County College	School
3	Alaska Airlines - Team Anchorage	Commercial
4	American Airlines - Women in Tech-Ops	Commercial
5	Cape Cod Community College - All Female Sharks	School
6	Pittsburgh Institute of Aeronautics - Myrtle Beach	School
7	Pittsburgh Institute of Aeronautics - Youngstown	School

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Balcony SA2B - SA2C (Above the AMC Competition)



AVIATION WOMEN INSPIRING NEXT GENERATION
Come Visit A-WING at Booth 5380

RSVP & Save Your Spot
Coming to Lunch?





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A-WING FREE
Student Events

AMC Student Lunch
Tuesday 11:30 - 1:30

Chill Out Ice Cream Social
Wednesday 1:00 - 5:00

All Students are Welcome
Events at Balcony SA2B - SA2C

TEAMS

NO.	TEAM NAME	CATEGORY
8	Elevate Aviation	General Aviation
9	UPS	Commercial
10	Aviation High School	School
11	Portland Community College	School
12	United Airlines - Line	Commercial
13	United States Coast Guard - Aeronautical Engineering Team	Military
14	Cherry Creek Schools	School
15	Del Mar College	School
16	Royal Canadian Air Force - 443 (MH) Squadron	Military
17	West Los Angeles College	School
18	Bombardier - Team 2	MRO/OEM
19	Victory Lane Aviation, LLC	General Aviation
20	Alaska Airlines - Team Seattle	Commercial
21	Aircraft Engineers International	General Aviation
22	Eastern Florida State College	School
23	JetBlue Tech Ops	Commercial
24	American Airlines - Team Tulsa	MRO/OEM
25	Spirit Airlines	Commercial
26	American Airlines - DWH Air Raiders	MRO/OEM
27	Utah State University	School
28	Embry-Riddle University - Team 1	School

NO.	TEAM NAME	CATEGORY
29	Salt Lake Community College	School
30	Liberty University	School
31	United Airlines - Chix Fix	Commercial
32	Aviation Institute of Maintenance - Kansas City	School
33	Broward College	School
34	Bombardier - Team 1	MRO/OEM
35	Cape Cod Community College - Gray Sharks	School
36	AVIANCA	Commercial
37	United Airlines - Base	MRO/OEM
38	Mohawk Valley Community College	School
39	Puerto Rico Aviation Maintenance Institute	School
40	San Bernardino Valley College	School
41	Leonardo DRS Advanced Program Support	MRO/OEM
42	United States Army - 128th Aviation Brigade - Team Chinook	Military
43	George T. Baker Aviation Technical College	School
44	AzulTec - Team 2	Commercial
45	United States Air Force - 437th MXG JB Charleston	Military
46	Aviation Institute of Maintenance - Chicago	School
47	American Airlines - MCT Tech Warriors	Commercial
48	University of Alaska Anchorage	School
49	United States Air Force - 721 AMOG	Military

TEAMS

NO.	TEAM NAME	CATEGORY
50	Southwest Airlines - Team Colleen	MRO/OEM
51	Westjet Airlines	Commercial
52	Netjets	MRO/OEM
53	Pratt & Whitney - Team 2	MRO/OEM
54	Australian Licensed Aircraft Engineers Association	General Aviation
55	FedEx Express	MRO/OEM
56	Horizon Air	Commercial
57	Lewis University	School
58	Cape Cod Community College - Blue Sharks	School
59	United States Army - 128th Aviation Brigade - Team Blackhawk	Military
60	United States Air Force - 412 MXG, Edwards AFB	Military
61	Pittsburgh Institute of Aeronautics - Hagerstown	School
62	American Airlines - LAX Crew	Commercial
63	United States Air Force - 100 MXG "Bloody Hundredth"	Military
64	WSU Tech	School
65	South Seattle College	School
66	Southwest Airlines - Team Herb	Commercial
67	United States Air Force - 725 AMS	Military
68	Pittsburgh Institute of Aeronautics - Pittsburgh	School
69	Tulsa Tech - Aerospace Academy	School
70	Embry-Riddle University - Team 2	School

NO.	TEAM NAME	CATEGORY
71	Tulsa Tech - Adult Students	School
72	Gear Goddesses, with Aviation NETWorX	General Aviation
73	Textron Aviation	MRO/OEM
74	AzulTec - Team 1	Commercial
75	United States Air Force - 621 Contingency Response Wing	Military
76	Aviation Institute of Maintenance - Chicago All Female	School
77	United States Air Force - 86th MXG, Ramstein AB Germany - Team 1	Military
78	United States Air Force - 76 AMXG/EDMX	Military
79	United States Air Force - 402 EDMX	Military
80	United States Air Force - 309 AMXG/EDMX	Military
81	Society of Aircraft Engineers of Pakistan	Commercial
82	MIAT College of Technology	School
83	Royal Canadian Air Force - 12 Air Maintenance Squadron	Military
84	Pratt & Whitney - Team 1	MRO/OEM
85	Lufthansa Technik Puerto Rico	MRO/OEM
86	United States Air Force - 86th MXG, Ramstein AB Germany - Team 2	Military
87	Indian Hills Community College	School
88	United States Army - Dominator Aviation, Inc.	Military
89	United States Air Force - 354 Maintenance Group	Military
90	Vaughn College of Aeronautics and Technology	School

EVENT SCHEDULE

The competition consists of 15-minute stages. Two teams will complete each event group simultaneously, as indicated by the team numbers assigned in each stage and group in the schedule below.



TUESDAY, APRIL 9

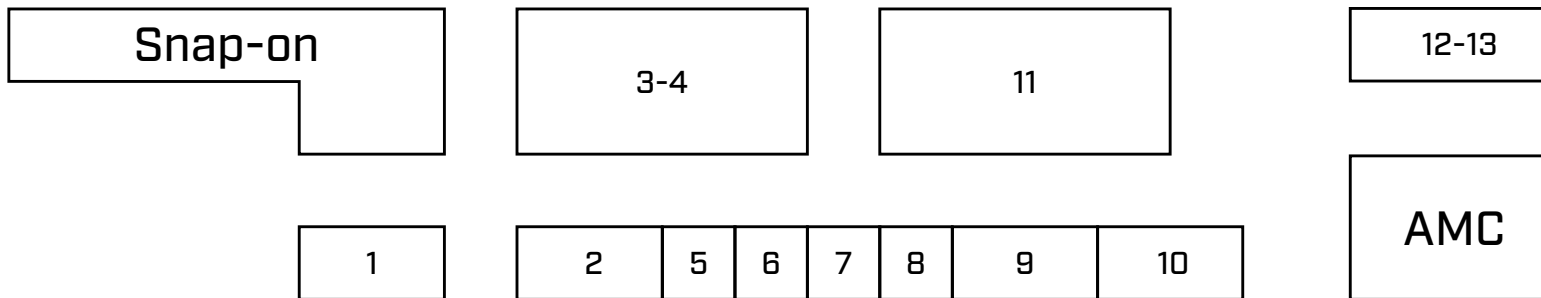
STAGE NO.	1	2	3	4	5	6	7	8	9	10		
Start Time	9:00 AM	9:20 AM	9:40 AM	10:00 AM	10:20 AM	10:35 AM	11:00 AM	11:20 AM	11:40 AM	12:00 PM	12:15 PM	1:00 PM
End Time	9:15 AM	9:35 AM	9:55 AM	10:15 AM	10:35 AM	11:00 AM	11:15 AM	11:35 AM	11:55 AM	12:15 PM	1:00 PM	1:15 PM
Group 1: Events 1, 2, 5	1 & 46	9 & 54	17 & 62	25 & 70	33 & 78	BREAK and SPECIAL RECOGNITION	41 & 86	4 & 49	12 & 57	20 & 65	LUNCH BREAK	28 & 73
Group 2: Events 3, 4, 6, 7	2 & 47	10 & 55	18 & 63	26 & 71	34 & 79		42 & 87	5 & 50	13 & 58	21 & 66		29 & 74
Group 3: Events 8, 9, 10, 11	3 & 48	11 & 56	19 & 64	27 & 72	35 & 80		43 & 88	6 & 51	14 & 59	22 & 67		30 & 75
Group 4: Events 12, 13, 21	4 & 49	12 & 57	20 & 65	28 & 73	36 & 81		44 & 89	7 & 52	15 & 60	23 & 68		31 & 76
Group 5: Events 15, 16, 17	5 & 50	13 & 58	21 & 66	29 & 74	37 & 82		45 & 90	8 & 53	16 & 61	24 & 69		32 & 77
Group 6: Events 14, 18, 19, 20, 26	6 & 51	14 & 59	22 & 67	30 & 75	38 & 83		1 & 46	9 & 54	17 & 62	25 & 70		33 & 78
Group 7: Events 22, 23, 27	7 & 52	15 & 60	23 & 68	31 & 76	39 & 84		2 & 47	10 & 55	18 & 63	26 & 71		34 & 79
Group 8: Events 24, 25	8 & 53	16 & 61	24 & 69	32 & 77	40 & 85		3 & 48	11 & 56	19 & 64	27 & 72		35 & 80

STAGE NO.	11	12	13	14	15	16	17	18	19	20	21	
Start Time	1:20 PM	1:40 PM	2:00 PM	2:20 PM	2:40 PM	2:55 PM	3:20 PM	3:40 PM	4:00 PM	4:20 PM	4:40 PM	5:00 PM
End Time	1:35 PM	1:55 PM	2:15 PM	2:35 PM	2:55 PM	3:20 PM	3:35 PM	3:55 PM	4:15 PM	4:35 PM	4:55 PM	5:15 PM
Group 1: Events 1, 2, 5	36 & 81	44 & 89	7 & 52	15 & 60	23 & 68	BREAK	31 & 76	39 & 84	2 & 47	10 & 55	18 & 63	26 & 71
Group 2: Events 3, 4, 6, 7	37 & 82	45 & 90	8 & 53	16 & 61	24 & 69		32 & 77	40 & 85	3 & 48	11 & 56	19 & 64	27 & 72
Group 3: Events 8, 9, 10, 11	38 & 83	1 & 46	9 & 54	17 & 62	25 & 70		33 & 78	41 & 86	4 & 49	12 & 57	20 & 65	28 & 73
Group 4: Events 12, 13, 21	39 & 84	2 & 47	10 & 55	18 & 63	26 & 71		34 & 79	42 & 87	5 & 50	13 & 58	21 & 66	29 & 74
Group 5: Events 15, 16, 17	40 & 85	3 & 48	11 & 56	19 & 64	27 & 72		35 & 80	43 & 88	6 & 51	14 & 59	22 & 67	30 & 75
Group 6: Events 14, 18, 19, 20, 26	41 & 86	4 & 49	12 & 57	20 & 65	28 & 73		36 & 81	44 & 89	7 & 52	15 & 60	23 & 68	31 & 76
Group 7: Events 22, 23, 27	42 & 87	5 & 50	13 & 58	21 & 66	29 & 74		37 & 82	45 & 90	8 & 53	16 & 61	24 & 69	32 & 77
Group 8: Events 24, 25	43 & 88	6 & 51	14 & 59	22 & 67	30 & 75		38 & 83	1 & 46	9 & 54	17 & 62	25 & 70	33 & 78

WEDNESDAY, APRIL 10

STAGE NO.	22	23	34	25	26	27	28	29	30	31	32	33	
Start Time	8:30 AM	8:50 AM	9:10 AM	9:30 AM	9:50 AM	10:10 AM	10:30 AM	10:50 AM	11:10 AM	11:30 AM	11:45 AM	12:30 PM	12:50 PM
End Time	8:45 AM	9:05 AM	9:25 AM	9:45 AM	10:05 AM	10:25 AM	10:45 AM	11:05 AM	11:25 AM	11:45 AM	12:30 PM	12:45 PM	1:05 PM
Group 1: Events 1, 2, 5	34 & 79	42 & 87	5 & 50	13 & 58	21 & 66	29 & 74	37 & 82	45 & 90	8 & 53	16 & 61	LUNCH BREAK	24 & 69	32 & 77
Group 2: Events 3, 4, 6, 7	35 & 80	43 & 88	6 & 51	14 & 59	22 & 67	30 & 75	38 & 83	1 & 46	9 & 54	17 & 62		25 & 70	33 & 78
Group 3: Events 8, 9, 10, 11	36 & 81	44 & 89	7 & 52	15 & 60	23 & 68	31 & 76	39 & 84	2 & 47	10 & 55	18 & 63		26 & 71	34 & 79
Group 4: Events 12, 13, 21	37 & 82	45 & 90	8 & 53	16 & 61	24 & 69	32 & 77	40 & 85	3 & 48	11 & 56	19 & 64		27 & 72	35 & 80
Group 5: Events 15, 16, 17	38 & 83	1 & 46	9 & 54	17 & 62	25 & 70	33 & 78	41 & 86	4 & 49	12 & 57	20 & 65		28 & 73	36 & 81
Group 6: Events 14, 18, 19, 20, 26	39 & 84	2 & 47	10 & 55	18 & 63	26 & 71	34 & 79	42 & 87	5 & 50	13 & 58	21 & 66		29 & 74	37 & 82
Group 7: Events 22, 23, 27	40 & 85	3 & 48	11 & 56	19 & 64	27 & 72	35 & 80	43 & 88	6 & 51	14 & 59	22 & 67		30 & 75	38 & 83
Group 8: Events 24, 25	41 & 86	4 & 49	12 & 57	20 & 65	28 & 73	36 & 81	44 & 89	7 & 52	15 & 60	23 & 68		31 & 76	39 & 84

STAGE NO.	34	35	36	37	38	39	40	41	42	43	44	45	
Start Time	1:10 PM	1:30 PM	1:50 PM	2:10 PM	2:30 PM	2:50 PM	3:05 PM	3:30 PM	3:50 PM	4:10 PM	4:30 PM	4:50 PM	5:10 PM
End Time	1:25 PM	1:45 PM	2:05 PM	2:25 PM	2:45 PM	3:05 PM	3:30 PM	3:45 PM	4:05 PM	4:25 PM	4:45 PM	5:05 PM	5:25 PM
Group 1: Events 1, 2, 5	40 & 85	3 & 48	11 & 56	19 & 64	27 & 72	35 & 80	BREAK	43 & 88	6 & 51	14 & 59	22 & 67	30 & 75	38 & 83
Group 2: Events 3, 4, 6, 7	41 & 86	4 & 49	12 & 57	20 & 65	28 & 73	36 & 81		44 & 89	7 & 52	15 & 60	23 & 68	31 & 76	39 & 84
Group 3: Events 8, 9, 10, 11	42 & 87	5 & 50	13 & 58	21 & 66	29 & 74	37 & 82		45 & 90	8 & 53	16 & 61	24 & 69	32 & 77	40 & 85
Group 4: Events 12, 13, 21	43 & 88	6 & 51	14 & 59	22 & 67	30 & 75	38 & 83		1 & 46	9 & 54	17 & 62	25 & 70	33 & 78	41 & 86
Group 5: Events 15, 16, 17	44 & 89	7 & 52	15 & 60	23 & 68	31 & 76	39 & 84		2 & 47	10 & 55	18 & 63	26 & 71	34 & 79	42 & 87
Group 6: Events 14, 18, 19, 20, 26	45 & 90	8 & 53	16 & 61	24 & 69	32 & 77	40 & 85		3 & 48	11 & 56	19 & 64	27 & 72	35 & 80	43 & 88
Group 7: Events 22, 23, 27	1 & 46	9 & 54	17 & 62	25 & 70	33 & 78	41 & 86		4 & 49	12 & 57	20 & 65	28 & 73	36 & 81	44 & 89
Group 8: Events 24, 25	2 & 47	10 & 55	18 & 63	26 & 71	34 & 79	42 & 87		5 & 50	13 & 58	21 & 66	29 & 74	37 & 82	45 & 90

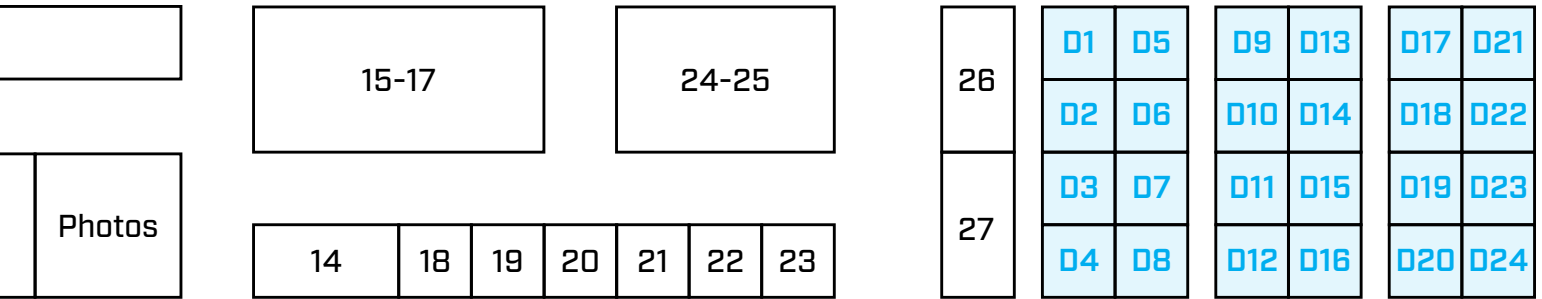


EVENTS

- | | |
|--|---|
| <p>1 Eastern Florida State Simulated Spacecraft Vacuum Loading</p> <p>2 Alaska Airlines Wire Troubleshooting</p> <p>3 American Airlines APU Starter</p> <p>4 American Airlines Logo Light Harness Troubleshooting</p> <p>5 8Tree & Alaska Airlines Airframe Damage Inspection</p> <p>6 Abaris Training Composite Repair</p> <p>7 Av-DEC Antenna Gasket Installation</p> | <p>8 Aviation Supplies & Academics Human Factors Exam</p> <p>9 StandardAero Engine Fan Blade Removal</p> <p>10 Perfect Point E-Drill Fastener Removal</p> <p>11 Pratt & Whitney Fuel Nozzle Remove and Replace</p> <p>12 FedEx Express Safety Wiring</p> <p>13 FedEx Express Cargo Floor Lock</p> <p>14 Southwest Airlines & The Boeing Company Thrust Reverser Control Fault Troubleshooting and Repair</p> |
|--|---|

CAREER RUNWAY

- | | |
|--|---|
| <p>D01 Air Force Civilian Service, 412th Maintenance Group, Edwards AFB</p> <p>D02 PSA Airlines</p> <p>D03 Choose Aerospace</p> <p>D04 TechForce Foundation</p> <p>D05 Air Wisconsin</p> <p>D06 SkyWest Airlines</p> | <p>D07 AMFA</p> <p>D08 AMFA</p> <p>D09 Pratt & Whitney</p> <p>D10 United Airlines</p> <p>D11 Victory Lane Aviation</p> <p>D12 MHIRJ</p> |
|--|---|



EVENTS

- 15** PPG Aerospace Transparencies
- 16** PPG Aerospace Virtual Reality Paint Booth
- 17** PPG Aerospace Wing Sealant
- 18** Daniels Manufacturing Corporation Tooling for Wire Harness Assembly
- 19** Michelin Tires Aircraft Tire Inspection
- 20** Moeller Aerospace Click-Loc® Challenge – We Won’t Back Off
- 21** U.S. Air Force Flex Fluid Lines
- 22** Barfield Fault Test
- 23** Barfield Antenna Testing
- 24** United Airlines Fuel Tank Entry Precautions
- 25** United Airlines Render Safe
- 26** U.S Army Helicopter Main Rotor Track & Balance Adjustment
- 27** Gore D-Nose Leading Edge Sealing

CAREER RUNWAY

- D13** American Airlines
- D14** Leonardo DRS
- D15** Teamsters
- D16** AWAM
- D17** Alaska Airlines
- D18** Endeavor Air
- D19** Barfield
- D20** TBD
- D21** FedEx
- D22** GE Aerospace
- D23** PPG
- D24** A-Wing

SPONSORS

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SCHOLARSHIP



EVENT



Support the 2025 Aerospace Maintenance Council Competition in Atlanta, Georgia on April 8–10. More info at www.aerospacecompetition.com.



Airlines for America[®]

2024 Airlines for America

Nuts and Bolts Award

Presented to

Aerospace Maintenance Council

Competition Chairman


Ken MacTiernan

The award recognizes individuals who demonstrate outstanding service and achievements in the engineering or maintenance fields within the commercial aviation industry. Each year, airline and nonairline honorees are chosen for the award. Ken is the first AMT to receive the award while actively practicing his profession.

Please join us to celebrate Ken and previous Nuts and Bolts Award winners on the competition floor during the April 9 morning break from 10:40 to 10:55 AM.



Photo courtesy of American Airlines



THE ROAR OF THE ENGINE IS THE ONLY APPLAUSE THEY NEED.

Hard work is its own reward. But, hey—a little competition never hurts. Welcome the industry's best AMTs to this year's Aerospace Maintenance Council Competition Presented by Snap-on. Stop by **Booth 5448** to see speed, precision and accuracy at its finest.



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