



**AMC**  
AEROSPACE MAINTENANCE COMPETITION  
KNOWLEDGE • SKILLS • INTEGRITY

# 2023 AEROSPACE MAINTENANCE COMPETITION

PRESENTED BY



BOOTH 5405



## Welcome!

The best of the best has officially arrived in Atlanta... and that's you! Congratulations on being selected to represent your school, airline, MRO/OEM, company or military branch. Your technical ability and strength of character brought you here, and we hope you can take advantage of the opportunities to demonstrate your skill on the industry's biggest stage, while also networking with the other amazing men and women in aerospace maintenance. Remember, although we may not wear the same uniform, each technician is bonded by the broader goal of keeping aircraft and spacecraft flying safe, and that bond goes deeper than any competition.

Whether this is your first time or you're a seasoned veteran, we are honored to have you at this year's Aerospace Maintenance Competition Presented by Snap-on! This year's competition has 84 incredible teams competing in 26 events in what is sure to be an unforgettable experience.

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. Each of these six teams will go back with the knowledge that they bested the top technicians from around the world.

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. This distinction is presented by Snap-on to the team with the overall winning score to celebrate their incredible achievement, and the 5-foot-tall trophy goes home with the winners to be displayed in their facility for a year.

The AMC would not be possible without 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.

Take the time to thank our volunteers when you see them. Each one dedicates their time and resources to

put on this event, and we are extremely grateful for their support.

Our presenting sponsor Snap-on presents the O'Brien Award, supplies tools for the events and contributes more than \$75,000 in tools and equipment as prizes for the top finishers. Their continued support has allowed the AMC to grow and provide more opportunities for our competitors. Other sponsors in the platinum level are American Airlines and Pratt Whitney, and gold, bronze, corporate, event and prize and product sponsors are listed in the back of the program.

We are so grateful that you are here with us in Atlanta this week!

Good luck and have fun!

### The Honorable John Goglia

President, Aerospace  
Maintenance Council

### Ken MacTiernan

Chairman, Aerospace  
Maintenance Competition



# SCHEDULE OF EVENTS

MONDAY, APRIL 17, 2023	
8:00 AM to 5:00 PM	<b>Registration (badge collection) for MRO Americas</b> All participants/visitors must register in advance
8:00 AM to 12:00 PM	<b>Event Setup — Booth 5405</b> No competitors, please
2:00 PM to 3:00 PM	<b>Judge Briefing — Room B313-314</b> Judges only
3:00 PM to 4:30 PM	<b>Competitor Orientation — Room B313-314</b> Competitors, coaches and judges only
TUESDAY, APRIL 18, 2023	
8:00 AM to 9:00 AM	<b>Competitor Walk-Through — Booth 5405</b>
9:00 AM to 5:30 PM	<b>COMPETITION</b>
WEDNESDAY, APRIL 19, 2023	
8:30 AM to 5:30 PM	<b>COMPETITION</b>
THURSDAY, APRIL 20, 2023	
9:00 AM to 12:00 PM	<b>Award Ceremony — Room B313-314</b>
1:00 PM to 9:00 PM	<b>Exhibitor Breakdown</b>

**Please note:** only AMC competitors, coaches, judges and sponsors will have early access to the show floor. AMC visitors and guests will only have access when the show floor is open to the public.

Livestreaming provided by  **AIREXPRESS** at [www.airexpert.net/2023dreamteam](http://www.airexpert.net/2023dreamteam)

Check your scores (teams and judges) at [www.amc-scoring.com](http://www.amc-scoring.com)

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 [TEAM@AEROSPACECOMPETITION.COM](mailto:TEAM@AEROSPACECOMPETITION.COM)  888-503-2914  [AEROSPACECOMPETITION.COM](http://AEROSPACECOMPETITION.COM)

# 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 8Tree & Alaska Airlines Airframe Damage Inspection	2
	#2 U.S. Air Force Flex Fluid Lines	2
	#9 Michelin Tires Aircraft Tire Inspection	1
2	#3 Barfield Air Data Test	2
	#4 Barfield Fault Test	2
	#8 Daniels Manufacturing Corporation Safe-T-Cable®	1
3	#5 FedEx Express Safety Wiring	2
	#6 FedEx Express Cargo Floor Lock	1
	#7 Abaris Training Composite Repair	2
4	#10 Moeller Aerospace Click-Loc® Challenge – We Won't Back Off	1
	#11 Pratt & Whitney Clearance Control Valve and Bleed Valve Solenoid	1
	#12 American Airlines Pedestal	1
	#13 American Airlines APU Starter	1
	#15 drbillj.com and Northrop Rice Human Factors Exam	1
5	#14 Av-DEC Antenna Gasket Installation	1
	#16 NBAA & StandardAero Engine Fan Blade Removal	2
	#17 Click Bond XR Process Optimization	2
6	#18 PPG Aerospace Transparencies	2
	#19 PPG Aerospace Virtual Reality Paint Booth	1
	#20 PPG Aerospace Wing Sealant	2
7	#21 United Airlines Fuel Tank Entry Precautions	2
	#22 United Airlines Cable Rigging	2
	#23 Perfect Point E-Drill Fastener Removal	1
8	#24 Eastern Florida State Simulated Spacecraft Vacuum Loading	2
	#25 Alaska Airlines External Power Receptacle	2
	#26 W.L. Gore & Associates, Inc. Leading Edge & Panel Sealing	1

The following teams are confirmed to participate in the 2023 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	Blue Origin Test & Flight Operations	Space
2	Virgin Galactic	Space
3	Aviation Institute of Maintenance - Atlanta	School
4	Cape Cod Community College - Team 1	School
5	Embry-Riddle University - Team 1	School
6	George T. Baker Aviation Technical College	School
7	Helena College	School

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SUITE B308-B309



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# TEAMS

NO.	TEAM NAME	CATEGORY
8	Indian Hills Community College	School
9	Lewis University	School
10	Liberty University	School
11	MIAT College of Technology - Team 1	School
12	Middle Tennessee State University - Team 1	School
13	Mohawk Valley Community College	School
14	NIAR WERX	School
15	Pittsburgh Institute of Aeronautics - Hagerstown	School
16	San Bernardino Valley College	School
17	Salt Lake Community College	School
18	Pittsburgh Institute of Aeronautics - Youngstown	School
19	Eastern Florida State College	School
20	South Seattle College	School
21	Tulsa Tech - Adult Students	School
22	University of Alaska College	School
23	Aviation High School	School
24	West Los Angeles College	School
25	WSU Tech	School
26	Pittsburgh Institute of Aeronautics - Myrtle Beach	School
27	Cape Cod Community College - Team 2	School

NO.	TEAM NAME	CATEGORY
28	Embry-Riddle University - Team 2	School
29	MIAT College of Technology - Team 2	School
30	Middle Tennessee State University - Team 2	School
31	Pittsburgh Institute of Aeronautics - Pittsburgh	School
32	Portland Community College	School
33	Tulsa Tech - Aerospace Academy	School
34	Aviation Institute of Maintenance - Chicago	School
35	FedEx Express	MRO/OEM
36	AzulTec MRO	MRO/OEM
37	ST Engineering	MRO/OEM
38	Pratt & Whitney - Team 1	MRO/OEM
39	Leonardo DRS Advanced Program Support	MRO/OEM
40	American Airlines - DWH Air Raiders	MRO/OEM
41	United Airlines - Base/Line	MRO/OEM
42	NetJets	MRO/OEM
43	Pratt & Whitney - Team 2	MRO/OEM
44	HAECO Americas	MRO/OEM
45	Bombardier	MRO/OEM
46	LATAM - MRO	MRO/OEM
47	Southwest Airlines - Team Colleen	MRO/OEM

# TEAMS

NO.	TEAM NAME	CATEGORY
48	American Airlines - Team Tulsa	MRO/OEM
49	United States Air Force - 721st Aircraft Maintenance Squadron	Military
50	United States Air Force - 6th Aircraft Maintenance Group, Macdill AFB	Military
51	United States Air Force - 86th MXG, Ramstein AB Germany	Military
52	Royal Canadian Air Force - 433 Tactical Fighter Squadron	Military
53	United States Air Force - 100 MXS	Military
54	United States Army - Dominator Aviation, Inc.	Military
55	United States Air Force - 412 MXG	Military
56	Royal Canadian Air Force - 12 Air Maintenance Squadron	Military
57	United States Coast Guard - Aeronautical Engineering Team	Military
58	United States Air Force - 60 MXG	Military
59	United States Army - Team Apache	Military
60	United States Air Force - 309 AMXG	Military
61	United States Army - 128th Aviation Brigade - Team Blackhawk	Military
62	United States Air Force - Kirtland Air Force Base	Military
63	United States Army - 128th Aviation Brigade - Team Chinook	Military
64	United States Air Force - 436 EDMX	Military
65	Elevate Aviation - Hangar Queens	General Aviation
66	Victory Lane Aviation, LLC	General Aviation
67	American Airlines - LAX Crew	Commercial

NO.	TEAM NAME	CATEGORY
68	United Airlines - Chix Fix	Commercial
69	Horizon Air	Commercial
70	Spirit Airlines	Commercial
71	WestJet Airlines	Commercial
72	United Airlines - Line	Commercial
73	AzulTec Line	Commercial
74	Australian Licenced Aircraft Engineers Association	Commercial
75	Aircraft Engineers International	Commercial
76	American Airlines - Chicago	Commercial
77	American Airlines - MCT Tech Warriors	Commercial
78	AVIANCA	Commercial
79	JetBlue	Commercial
80	Air Canada	Commercial
81	Southwest Airlines - Team Herb	Commercial
82	Alaska Airlines - Team Seattle	Commercial
83	American Airlines - Women in Tech-Ops	Commercial
84	Alaska Airlines - Team Anchorage	Commercial

# 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 18

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

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

## WEDNESDAY, APRIL 19

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

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

# EVENT FLOOR MAP

2	4
1	3

B01	B02	B03	B04	B05	B06	B07	B08	B09
Career Runway								
B10	B11	B12	B13	B14	B15	B16	B17	B18

AM

5-6	8	10
	7	9

11	12-13	15
		14

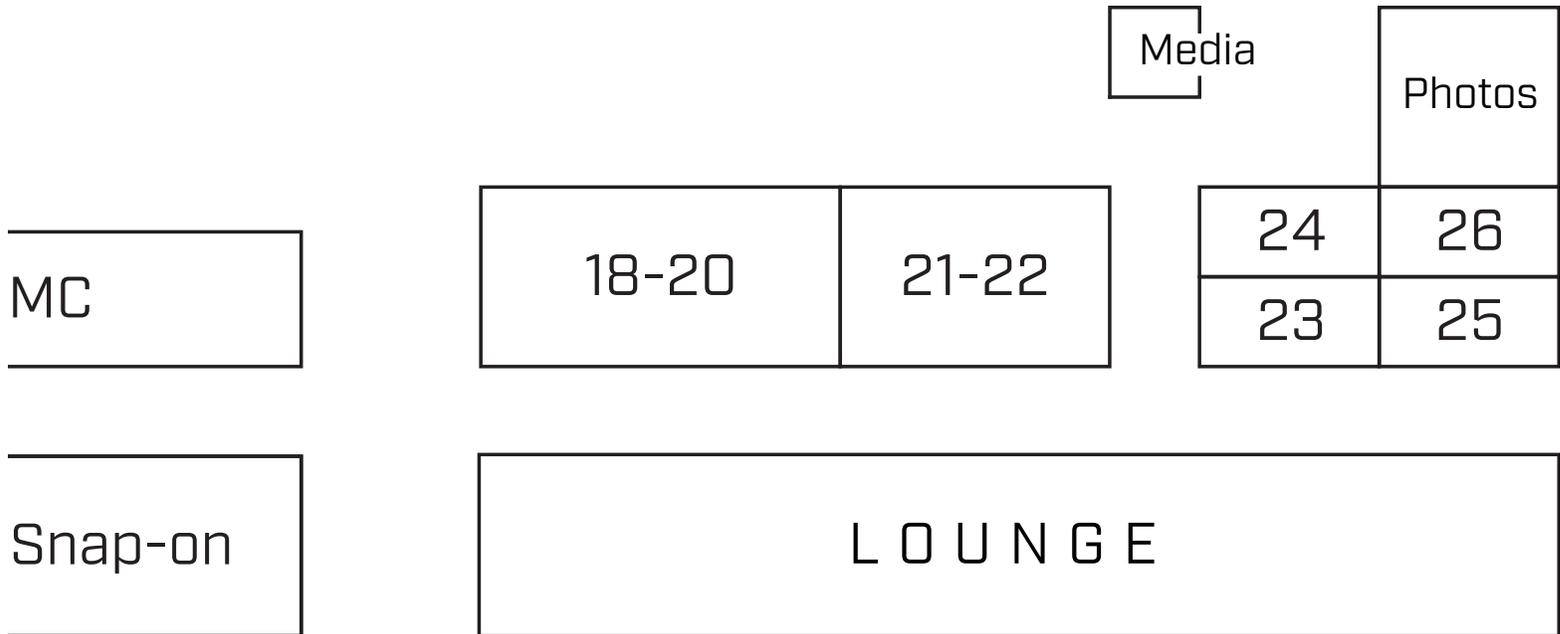
17	St
16	

## EVENTS

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li><b>1</b> 8Tree &amp; Alaska Airlines Airframe Damage Inspection</li> <li><b>2</b> U.S. Air Force Flex Fluid Lines</li> <li><b>3</b> Barfield Air Data Test</li> <li><b>4</b> Barfield Fault Test</li> <li><b>5</b> FedEx Express Safety Wiring</li> <li><b>6</b> FedEx Express Cargo Floor Lock</li> <li><b>7</b> Abaris Training Composite Repair</li> <li><b>8</b> Daniels Manufacturing Corporation</li> </ul> | <ul style="list-style-type: none"> <li>Safe-T-Cable®</li> <li><b>9</b> Michelin Tires Aircraft Tire Inspection</li> <li><b>10</b> Moeller Aerospace Click-Loc® Challenge - We Won't Back Off</li> <li><b>11</b> Pratt &amp; Whitney Clearance Control Valve and Bleed Valve Solenoid</li> <li><b>12</b> American Airlines Pedestal</li> <li><b>13</b> American Airlines APU Starter</li> <li><b>14</b> Av-DEC Antenna Gasket Installation</li> </ul> |
|--|--|

## CAREER RUNWAY

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><b>B01</b> Aircraft Mechanics Fraternal Association</li> <li><b>B02</b> Air Wisconsin</li> <li><b>B03</b> American Airlines</li> <li><b>B04</b> Alaska Airlines</li> </ul> | <ul style="list-style-type: none"> <li><b>B05</b> AWING</li> <li><b>B06</b> Barfield</li> <li><b>B07</b> FedEx</li> <li><b>B08</b> JetBlue</li> <li><b>B09</b> PPG Aerospace</li> </ul> |
|---|---|



## EVENTS

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><b>15</b> drbillj.com and Northrop Rice Human Factors Exam</li> <li><b>16</b> NBAA &amp; StandardAero Engine Fan Blade Removal</li> <li><b>17</b> Click Bond XR Process Optimization</li> <li><b>18</b> PPG Aerospace Transparencies</li> <li><b>19</b> PPG Aerospace Virtual Reality Paint Booth</li> <li><b>20</b> PPG Aerospace Wing Sealant</li> </ul> | <ul style="list-style-type: none"> <li><b>21</b> United Airlines Fuel Tank Entry Precautions</li> <li><b>22</b> United Airlines Cable Rigging</li> <li><b>23</b> Perfect Point E-Drill Fastener Removal</li> <li><b>24</b> Eastern Florida State Simulated Spacecraft Vacuum Loading</li> <li><b>25</b> Alaska Airlines External Power Receptacle</li> <li><b>26</b> W.L. Gore &amp; Associates, Inc. Leading Edge &amp; Panel Sealing</li> </ul> |
|---|---|

## CAREER RUNWAY

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><b>B10</b> Pratt &amp; Whitney</li> <li><b>B11</b> SkyWest Airlines</li> <li><b>B12</b> TechForce Foundation</li> <li><b>B13</b> United Airlines</li> <li><b>B14</b> Republic Airways</li> </ul> | <ul style="list-style-type: none"> <li><b>B15</b> Teamsters</li> <li><b>B16</b> GE Aerospace</li> <li><b>B17</b> Air Force Civilian Service, 412th Maintenance Group, Edwards AFB</li> <li><b>B18</b> IAMAW, Air Transport District 142</li> </ul> |
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Scenes from the **2022** AEROSPACE MAINTENANCE **COMPETITION**



PLATINUM



GOLD



SILVER



BRONZE

PATRON



EVENT



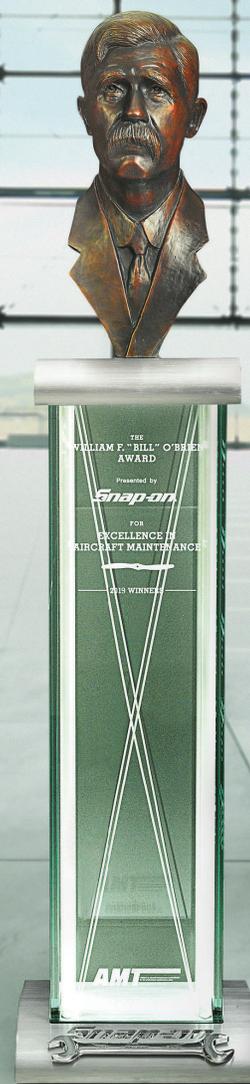
Support the **2024 Aerospace Maintenance Competition** in Chicago, April 9–11.

More info at [www.aerospacecompetition.com](http://www.aerospacecompetition.com).



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

Hard work is its own reward. But, hey—a little competition never hurts. And the industry's best AMTs will showcase their skills in the Aerospace Maintenance Competition Presented by Snap-on at MRO Americas 2023 in Atlanta. Stop by Booth 5405 to see speed, precision and accuracy at its finest.



**Snap-on**



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