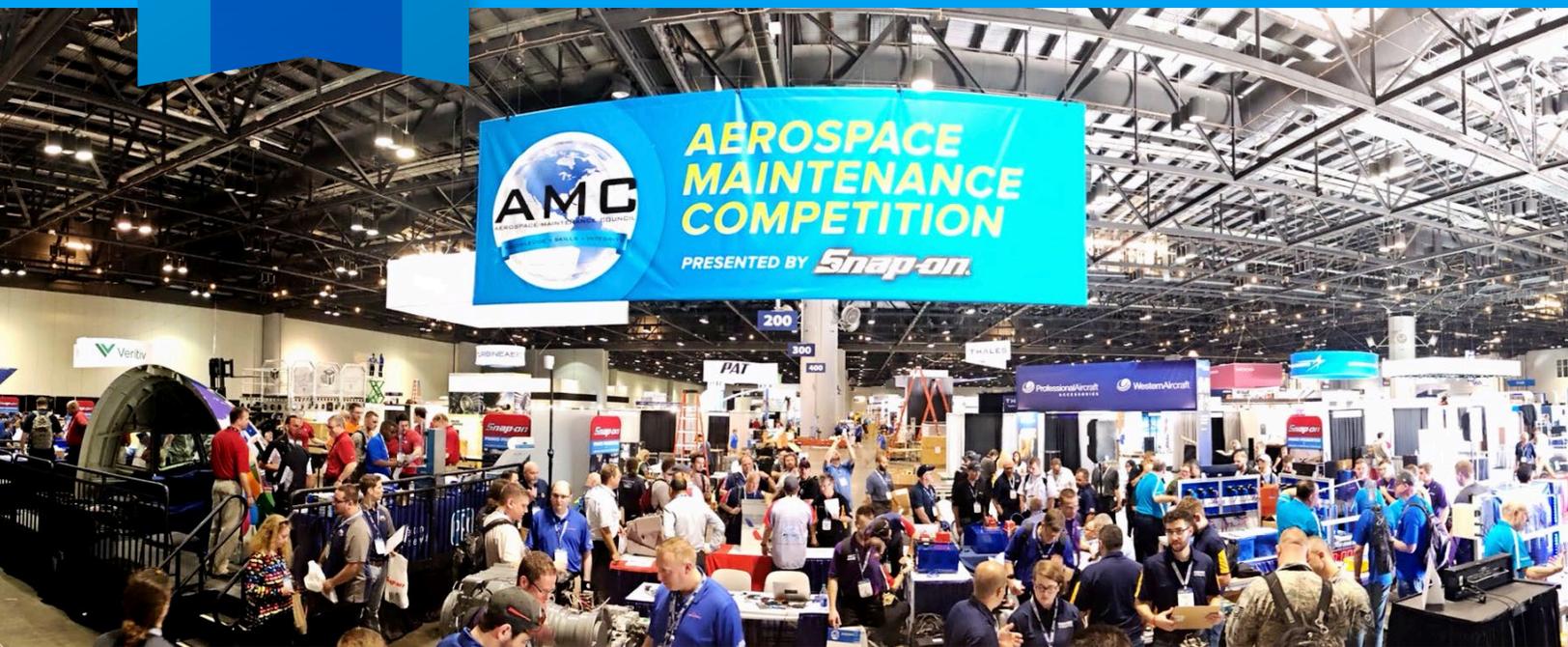




# 2019 AEROSPACE MAINTENANCE COMPETITION



PRESENTED BY

**Snap-on**

BOOTH 3359



# Welcome to the 2019 AEROSPACE MAINTENANCE COMPETITION

PRESENTED BY **Snap-on!**

Aircraft technicians like yourselves have often been described as the unsung, unseen heroes who keep passengers safe at 35,000 feet. This week, you're front and center for the whole world to see!

The Aerospace Maintenance Competition presented by Snap-on is the premier event in aircraft maintenance – and you're a part of it! Congratulations on representing your organization here in Atlanta.

You are part of a historic year as we have a record 84 teams competing in 30 events that represent a true test of your aviation maintenance skills. During the next two days, you'll be challenged like never before. The teams that emerge victorious in their respective divisions will take home the satisfaction of knowing they bested the deepest field we've ever seen.

Of course, the team with the best score will take home the grand prize in aviation maintenance – the William F. "Bill" O'Brien Award for Excellence in Aircraft Maintenance. Presented by Snap-on, this coveted award signifies the highest standard of excellence in aviation maintenance. The winning team receives the honor of displaying the 5-foot tall traveling trophy in their facility for a year.

The AMC would never have become the international phenomenon it is today without the support of the aviation community. Snap-on continues to demonstrate its commitment to the AMC by not only sponsoring the O'Brien Award, but awarding more than \$75,000 in tools and equipment as prizes to the top finishers this week. We are grateful to Snap-on for this partnership and involvement in the AMC.



The ever-increasing level of corporate sponsorship has greatly contributed to the expansion and recognition the AMC has experienced. This year, we are proud to have more than 50 additional companies, educational institutions, community organizations and countless individual volunteers contributing time, resources, prizes, products, and frequent-flyer miles to this event. We'd like to give a loud shout out to our special platinum sponsors, American Airlines and Pratt & Whitney, for their support and steadfast dedication to making the AMC successful.

While everyone attending is here to compete, the AMC is really about mentoring and giving back to the industry we all love. For the students, the AMC is a great place to talk with the pros, seek out their sage advice, and gather insight on the industry. For the professional technicians, your guidance and counsel are extremely appreciated by new entrants looking to land their first jobs.

Thank you for being here and being part of the AMC. Together, we're going to accomplish great things this week. Best of luck!

**The Honorable John Goglia**

*President, Aerospace Maintenance Council*

**Ken MacTiernan,**

*Chairman, Aerospace Maintenance Competition*

# SCHEDULE OF EVENTS

MONDAY, APRIL 8, 2019	
8:00 AM to 3:00 PM	<b>Pratt &amp; Whitney Columbus Engine Center Tour</b> Students & military only, RSVP required
8:00 AM to 12:00 PM	<b>Event Setup</b> Sponsors and judges only, booth 3359
2:00 PM to 3:00 PM	<b>Judge Briefing</b> Judges only, room B308-309
3:00 PM to 4:30 PM	<b>Competitor Orientation</b> Competitions, coaches and judges only, room B308-309
TUESDAY, APRIL 9, 2019	
8:00 AM to 9:00 AM	<b>Competitor Walk-Through</b> Booth 3359
9:00 AM to 5:30 PM	<b>COMPETITION</b>
WEDNESDAY, APRIL 10, 2019	
9:00 AM to 5:30 PM	<b>COMPETITION</b>
THURSDAY, APRIL 11, 2019	
8:00 AM to 11:00 AM	<b>Competition Make-Up</b> Time reserved if needed, no events scheduled
1:00 PM to 4:00 PM	<b>Award Ceremony</b> Open to the public, room B308-309

*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.*

Live streaming provided by  **AIR EXPERT** at <https://get.mroamc.live/>  
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 [TEAM@AEROSPACECOMPETITION.COM](mailto:TEAM@AEROSPACECOMPETITION.COM)  888-503-2914  [AEROSPACECOMPETITION.COM](http://AEROSPACECOMPETITION.COM)

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	TEAM MEMBERS REQUIRED
1	#9 Boeing Cable Rigging	2
	#13 Michelin Tires Aircraft Tire Inspection	1
	#22 American Airlines APU Burner Can	2
2	#20 Nida Corp Power Troubleshooting	2
	#29 FedEx Turbine Engine PDU Removal and Installation	2
	#31 Northrop Rice Aviation Training Solutions Charles Taylor Exam	1
3	#11 Daniels Manufacturing Corporation Safe-T-Cable	1
	#17 Barfield Air Data Testing	2
	#18 Barfield Rf Antenna Testing	2
4	#7 Eastern Florida State Space Vehicle - Vacuum Loading Operation	2
	#10 Daniels Manufacturing Corporation Electrical Troubleshooting	2
	#24 American Airlines Pedestal	1
5	#23 Perfect Point E-Drill Fastener Removal	1
	#1 Alaska Airlines External Power Receptacle	2
	#3 Click Bond, Inc. Adhesive-Bonded Fastener Installations	2
6	#28 PPG Aerospace Transparencies, Paint and Wing Sealant	5
7	#3 Aircraft Technology Group Sheet Metal Accuracy	1
	#5 U.S. Air Force Flex Fluid Lines	2
	#14 Alberth Aviation Wheel and Brake Removal and Installation	2
8	#1 8Tree & Alaska Airlines Airframe Damage Inspection	2
	#21 W.L. Gore & Associates, Inc. Leading Edge & Panel Sealing	3
9	#26 Spectro Scientific Oil Test Analysis	1
	#27 ABARIS Composite Repair	2
	#30 Pratt & Whitney ACC Valve R/R & Bleed Valve Solenoid Test	2
10	#8 ULTRAX Aerospace Condition Based Intelligence	2
	#15 Olympus & PPG Aerospace Ultrasonic Testing	1
	#23 United Airlines Fuel Tank Entry Precautions	2
11	#6 Aerospace Maintenance Council Safety Wiring	1
	#19 Boeing Fiber Optics	2
	#25 JetBlue University ADS-B Troubleshooting	2

## TEAMS

The following teams are confirmed to participate in the 2019 event. Each team is assigned a team number that will be used as an identifier on the event schedule and score sheets.

TEAM NO.	TEAM NAME	CATEGORY
1	Airbus	MRO/MFR
2	Alaska Airlines - ANC	Commercial
3	Alaska Airlines - SEA	Commercial
4	Alitalia	Commercial
5	American Airlines - DFW	Commercial
6	American Airlines - DWH	MRO/MFR
7	American Airlines - TUL	MRO/MFR
8	Australian Licenced Aircraft Engineers Association	MRO/MFR
9	Aviation High School	School
10	Aviation Institute of Maintenance - Atlanta	School
11	Aviation Institute of Maintenance - Houston	School
12	Boeing	MRO/MFR
13	Broward College - Team 1	School
14	Broward College - Team 2	School
15	United States Air Force - 317th MXG	Military
16	Elevate Aviation	Military
17	Embry-Riddle University	School
18	FedEx Express - INDY	Commercial
19	FedEx Express - LAX	MRO/MFR

TEAM NO.	TEAM NAME	CATEGORY
20	HAECO Americas	MRO/MFR
21	Horizon Air	Commercial
22	Indian Hills Community College	School
23	JetBlue	Commercial
24	Jetstar - Team 1	Commercial
25	Jetstar - Team 2	Commercial
26	Liberty University	School
27	Mexicana MRO	MRO/MFR
28	Middle Tennessee State University - Team 1	School
29	Middle Tennessee State University - Team 2	School
30	Mohawk Valley Community College	School
31	Pittsburgh Institute of Aeronautics - Hagerstown	School
32	Pittsburgh Institute of Aeronautics - Myrtle Beach	School
33	Pittsburgh Institute of Aeronautics - Pittsburgh	School
34	Pittsburgh Institute of Aeronautics - Youngstown	School
35	Pratt & Whitney - WiseMen	MRO/MFR
36	Pratt & Whitney - WiseWomen	MRO/MFR
37	Qantas	Commercial
38	Qatar Airways	Commercial
39	Republic Airline	Commercial
40	Rock Valley College	School
41	Royal Canadian Air Force - 4 Wing	Military

# TEAMS

TEAM NO.	TEAM NAME	CATEGORY
42	Royal Canadian Air Force - 4 Wing 401 TFS	Military
43	Royal Canadian Air Force - 435 Squadron	Military
44	Royal Canadian Air Force - All Female	Military
45	Royal Canadian Air Force - Search & Rescue Team	Military
46	Salt Lake Community College - Team 1	School
47	Southern Illinois University Carbondale - Detail Dawgs	School
48	Tarrant County College - Team 1	School
49	Tarrant County College - Team 2	School
50	TulsaTech	School
51	TulsaTech Aerospace Academy	School
52	United Airlines - Base Maintenance	MRO/MFR
53	United Airlines - Chicago	Commercial
54	United Airlines - Chix Fix	Commercial
55	United Airlines - CLE	Commercial
56	United States Air Force - 1 SOMXG	Military
57	United States Air Force - Edwards AFB/412 Maintenance Group	Military
58	United States Air Force - Fairchild	Military
59	United States Air Force - McChord	Military
60	United States Air Force - Ogden Air Logistics Complex	Military
61	United States Air Force - OKC Air Logistics Complex - Team A	Military
62	United States Air Force - OKC Air Logistics Complex - Team B	Military
63	United States Air Force - Warner Robins Air Logistics Complex - Team 1	Military

TEAM NO.	TEAM NAME	CATEGORY
64	United States Air Force - Warner Robins Air Logistics Complex - Team 2	Military
65	United States Air Force Reserves - 446 Aircraft Maintenance Squadron	Military
66	United States Army - 128th Aviation Brigade	Military
67	United States Army National Guard - CTARNG	Military
68	United States Coast Guard - Aero Engineers	Military
69	United States Coast Guard - Air Station Clearwater	Military
70	United States Coast Guard - C-27J APO	Military
71	United States Marine Corp - MAG 16	Military
72	United States Marine Corp - MALS 11	Military
73	United States Marine Corp - MALS 39 - Team 1	Military
74	United States Marine Corp - MALS 39 - Team 2	Military
75	United States Marine Corp - VMM 166	Military
76	University of the District of Columbia Community College	School
77	UPS	Commercial
78	Utah State University	School
79	Vaughn College of Aeronautics and Technology	School
80	West Los Angeles College	School
81	Western Michigan University	School
82	WestJet Airlines	Commercial
83	WestJet Encore	Commercial
84	WSU Tech	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 AM

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

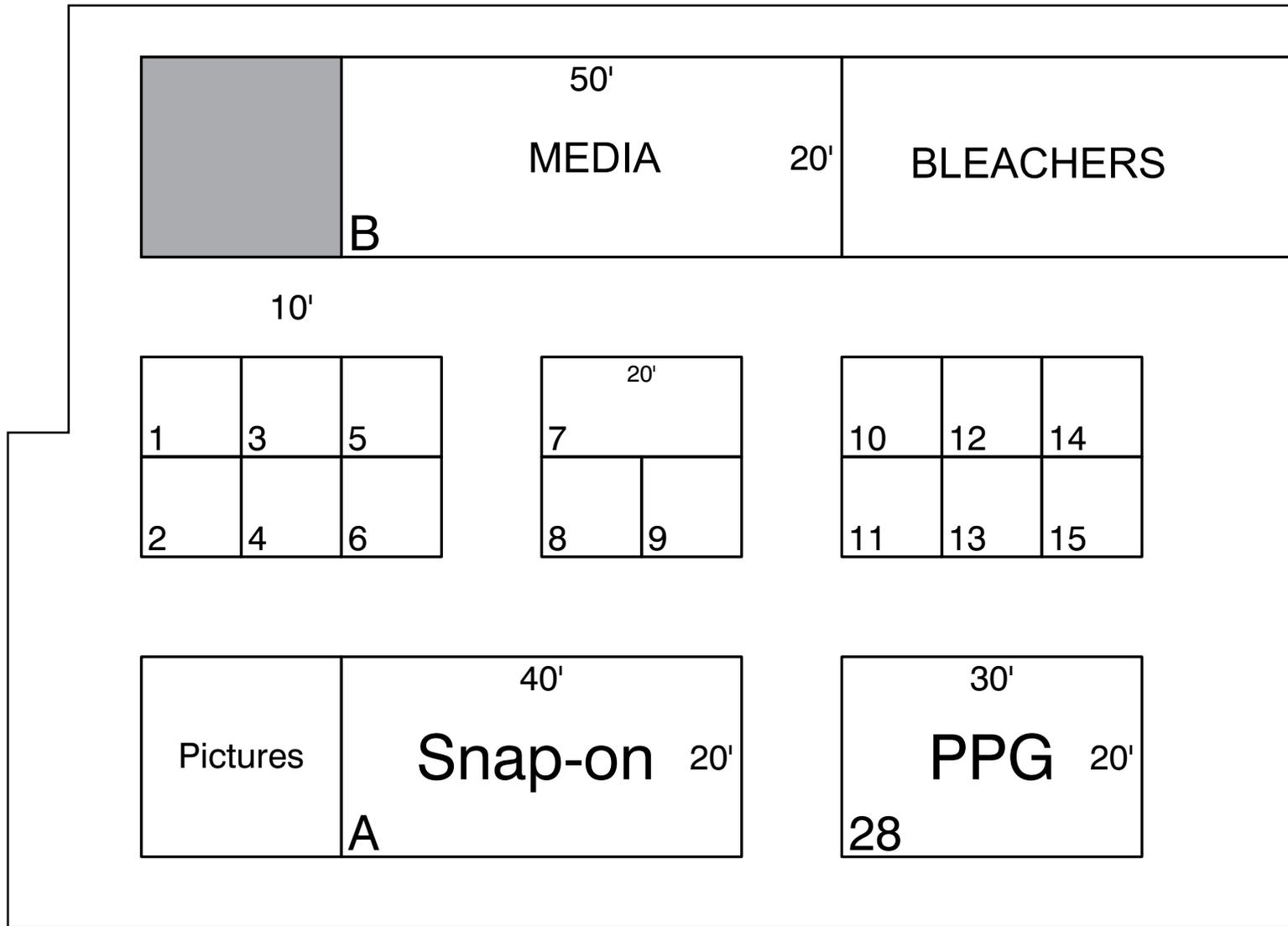
STAGE NO.	12	13	14	15	16	17	18	19	20	21	22
Start Time	1:40 PM	2:00 PM	2:20 PM	2:40 PM	3:00 PM	3:20 PM	3:40 PM	4:00 PM	4:20 PM	4:40 PM	5:00 PM
End Time	1:55 PM	2:15 PM	2:35 PM	2:55 PM	3:15 PM	3:35 PM	3:55 PM	4:15 PM	4:35 PM	4:55 PM	5:15 PM
Event Group 1	32 & 77	BREAK	9 & 54	20 & 65	31 & 76	42 & 45	8 &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

WEDNESDAY, APRIL 10

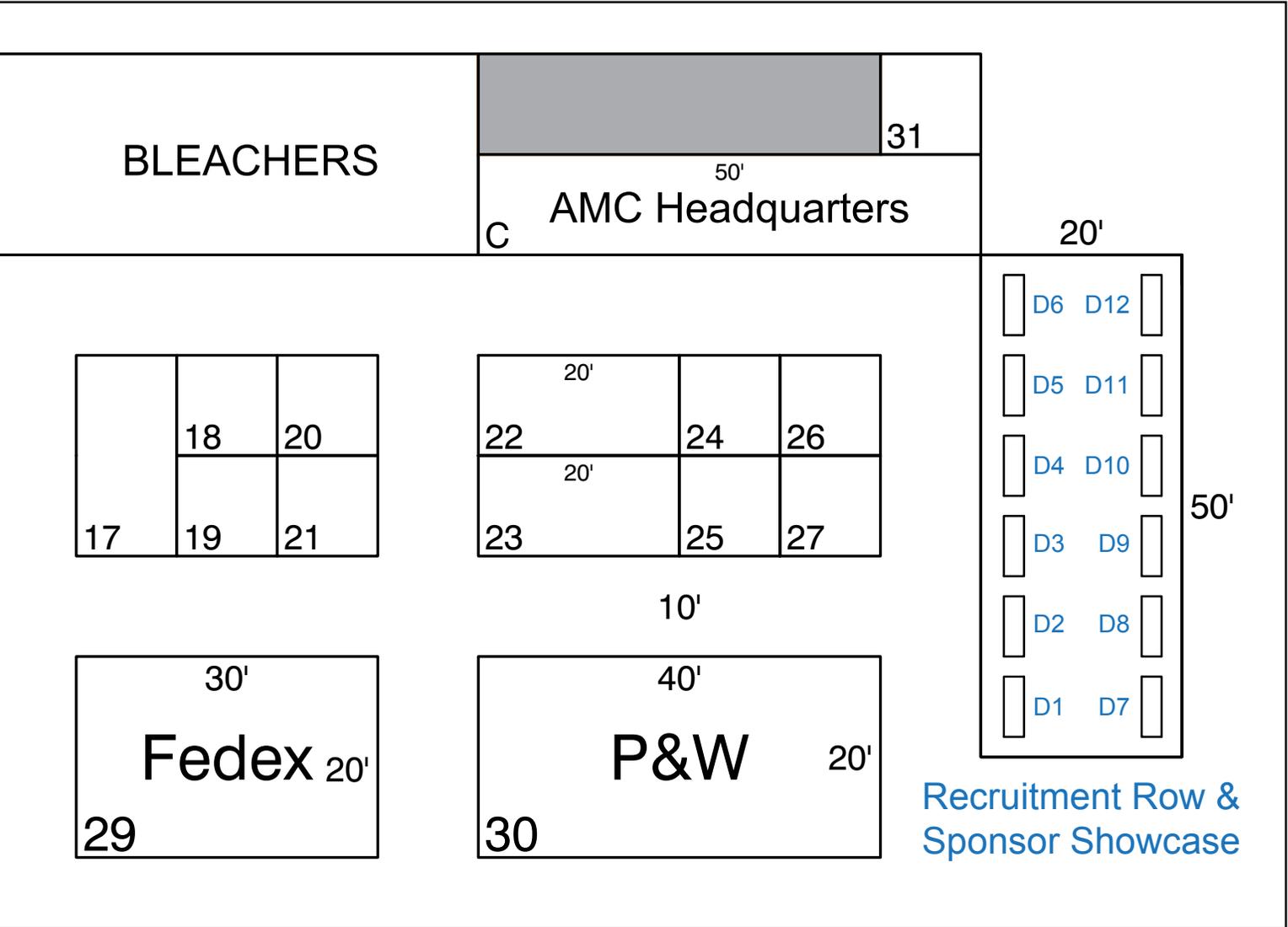
STAGE NO.	23	24	25	26	27	28	29	30	31	32	33	34
Start Time	8:00 AM	8:20 AM	8:40 AM	9:00 AM	9:20 AM	9:40 AM	10:00 AM	10:20 AM	10:40 AM	11:00 AM	11:20 AM	11:40 AM
End Time	8:15 AM	8:35 AM	8:55 AM	9:15 AM	9:35 AM	9:55 AM	10:15 AM	10:35 AM	10:55 AM	11:15 AM	11:35 AM	11:55 AM
Event Group 1	18 & 63	29 & 74	40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

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

# EVENT FLOOR MAP



- |   |   |
|---|---|
| <b>1</b> 8Tree & Alaska Airlines Airframe Damage Inspection               | <b>12</b> Click Bond, Inc. Adhesive-Bonded Fastener Installations   |
| <b>2</b> Perfect Point & Ntegrity Aircraft Parts E-Drill Fastener Removal | <b>13</b> Michelin Tires Aircraft Tire Inspection                   |
| <b>3</b> Aircraft Technology Group Sheet Metal Accuracy                   | <b>14</b> Alberth Aviation Wheel and Brake Removal and Installation |
| <b>4</b> Alaska Airlines External Power Receptacle                        | <b>15</b> Olympus & PPG Aerospace Ultrasonic Testing                |
| <b>5</b> U.S. Air Force Flex Fluid Lines                                  | <b>17</b> Barfield Air Data Testing                                 |
| <b>6</b> Aerospace Maintenance Council Safety Wiring                      | <b>18</b> Barfield RF Antenna Testing                               |
| <b>7</b> Eastern Florida State Space Vehicle - Vacuum Loading Operation   | <b>19</b> Boeing Fiber Optics                                       |
| <b>8</b> ULTRAX Aerospace Condition Based Intelligence                    | <b>20</b> Nida Corp Power Troubleshooting                           |
| <b>9</b> Boeing Cable Rigging   | <b>21</b> W.L. Gore & Associates, Inc. Leading Edge & Panel Sealing |
| <b>10</b> Daniels Manufacturing Corporation Electrical Troubleshooting    | <b>22</b> American Airlines APU Burner Can                          |
| <b>11</b> Daniels Manufacturing Corporation Safe-T-Cable                  | <b>23</b> United Airlines Fuel Tank Entry Precautions               |



- 24** American Airlines Pedestal
- 25** JetBlue University ADS-B Troubleshooting
- 26** Spectro Scientific Oil Test Analysis
- 27** ABARIS Composite Repair
- 28** PPG Aerospace Transparencies, Paint and Wing Sealant
- 29** FedEx Turbine Engine PDU Removal and Installation
- 30** Pratt & Whitney ACC Valve R/R & Bleed Valve Solenoid Test
- 31** Northrop Rice Aviation Training Solutions Charles Taylor Exam
- D01** Pratt & Whitney
- D02** United Airlines
- D03** Teamsters
- D04** United States Marine Corp
- D05** GRYPHON
- D06** Professional Aviation Maintenance Association
- D07** American Eagle
- D08** American Airlines, Military and Veterans Initiatives
- D09** JetBlue
- D10** Aircraft Mechanics Fraternal Association
- D11** Aviation Technician Education Council
- D12** Association for Women in Aviation Maintenance



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EVENT



PRIZE & PRODUCT



Support the 2020 competition in Dallas, April 28-30. More information 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 2019 in Atlanta. Stop by Booth 3359 to see speed, precision and accuracy at its finest.



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