

**From:** Emily Rice <emilyr@modelaircraft.org>  
**Subject:** UAS4STEM 2021 national competition  
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CONGRATULATIONS!!! On behalf of the AMA Education Department, we would like to invite your team to participate in the 2021 UAS4STEM National Competition to be held at AirVenture in Oshkosh, Wisconsin on July 29-30. Your team's presentation at regionals impressed our judges and we can tell that you are prepared to compete against the best on a national stage!

After conferring with your team, please reply to this email and confirm whether you plan to compete or send your regrets! We understand that travel at this time may not be feasible for everyone, so if you are uncertain about attending, please let us know. We will start gathering estimated numbers of participants from each team so that we can focus on properly planning for entry credentials, campsites and other needs.

We are planning a live discussion via Microsoft Teams for this Thursday, May 6<sup>th</sup>, at 7:00 pm ET. It will be an opportunity for the team managers of all qualifying teams to ask questions and get answers. [Here is the link to join the meeting.](#) We may do this type of meeting monthly leading up to the competition to keep everyone informed.

We will begin check-in for all teams at 9:00 am on July 29. We are still finalizing the oral presentation times, but competition flying will be from 10:30 am to 1:30 pm each day. We will randomly draw for flight order.

Having this event at AirVenture is very exciting for all of us. We cannot even begin to list all the potential activities your teams can enjoy throughout the event. Please see the AirVenture website (<https://www.eaa.org/en/airventure>) for a full list of scheduled events. We do encourage team members to bring their own aircraft and drones as RC flying will be held every evening at Pioneer Airport.

We are planning an informal awards cookout on Friday evening at Pioneer Airport, to coincide with evening flying there. Burgers, hotdogs and drinks will be provided.

For lodging, we will thankfully have primitive campsites available at no cost to teams. Camping will be done at Camp Scholler where they have full modern bath houses available. More information about Camp Scholler can be found here <https://www.eaa.org/airventure/plan-your-eea-airventure-trip/eea-camping-and-lodging/camp-scholler>.

If you would prefer hotel or home rental accommodations, please start looking soon as they can be tough to find in and around Oshkosh during AirVenture. If staying offsite, please also plan to add an extra hour to your morning commute time, to account for the entrance line.

Finally, there will be a few modifications to the challenge for the national competition:

- A total of 16 waypoints/commands will be used during the National event. The same rules as regionals will apply: they must all be done in order, and if one is missed, the following waypoints/commands will be scored at 0.
- A total of 7 or 8 targets will be placed. These will spell a word out of the ground school as well as X's that will be markers for drops. We will let teams know at the pilots meeting the exact number of letters that will be used.
- Minimum altitude will be enforced
- Maximum altitude of 200' will be STRICTLY enforced due to airspace limitations.
- 7 Questions from the Ground School will be asked rather than 5.
- Only one device (computer, tablet, etc) can be used during oral briefing.
- Power will be available for flight operations, but an extension cord and power strip should be provided by each team to access the electricity.

Congratulations again! We are so pleased to extend this invitation to your team. We hope to see you at our meeting on Thursday at 7:00 pm ET, linked above, or to hear from you via email to confirm your attendance or regrets. Well done! You will receive another email shortly with more details about your team's regional score.

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