



U.S. National Aerobatic Championships

Salina Regional Airport (KSLN)

2-7 October 2022

Salina, Kansas

USA

Bulletin No. 1

5 May 2022



Contents

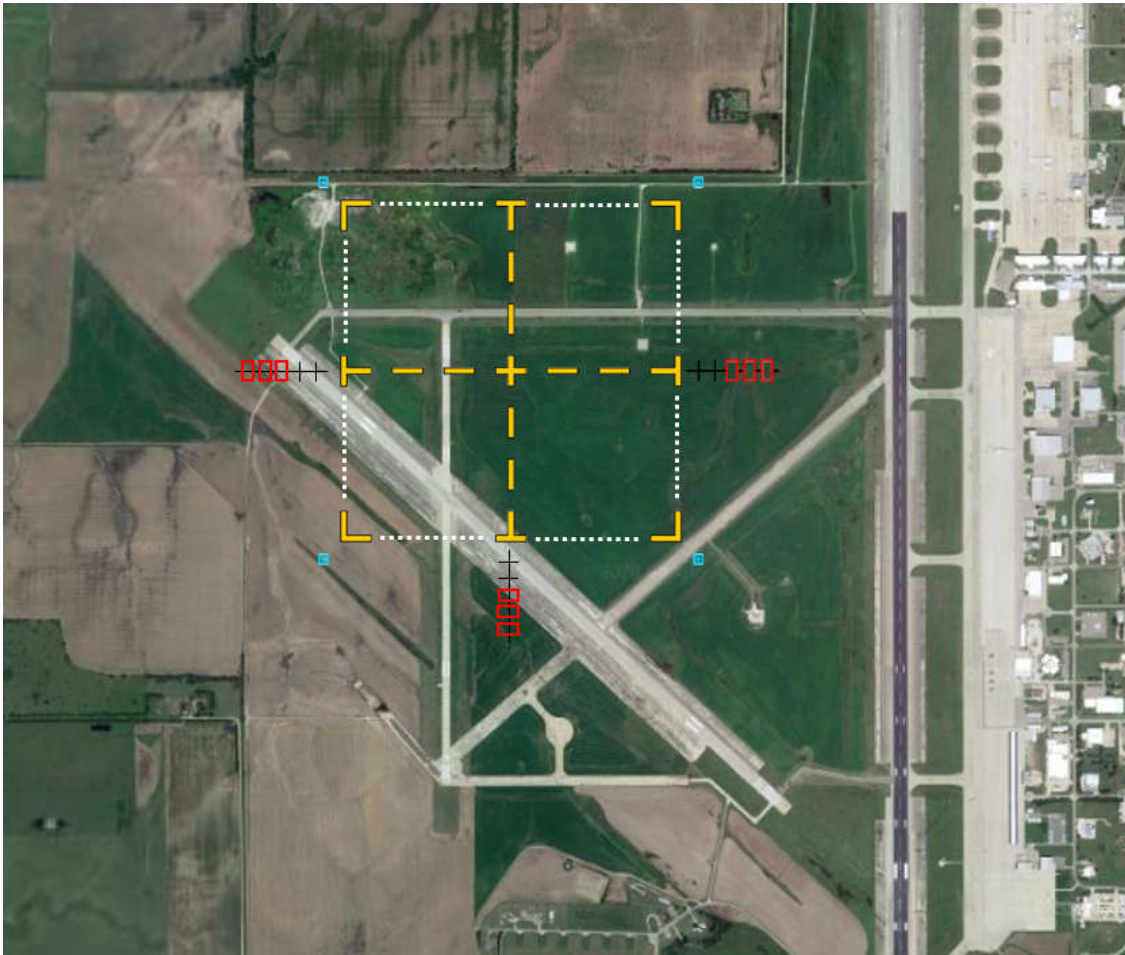
1. General
 2. Schedule
 3. Regulations
 4. Participation, Competitors, and Aircraft
 5. Arrival and Ramp Operations
 6. Internet Communications & Social Media
 7. Scoring at Nationals
 8. Miscellaneous
 9. Entry and Hangar Fees
- Appendixes (A, B, C, and D)

1. General

In the first week of October, the volunteers of the IAC will start to assemble in Salina to prepare the grounds for the 2022 U.S. National Aerobatic Championships. The purpose of this bulletin is to highlight some areas of interest to the pilots competing at the event. For more detailed information, please review our website at www.iac.org. There you will find more detailed information regarding hotels, rental cars, and all things Nationals.

1.1. Venue

The 2022 U.S. National Aerobatic Championship will be held at the Salina Regional Airport (KSLN), Salina, Kansas.



Salina, Kansas is 90 miles north of Wichita (KICT), Kansas. Kansas City is 181 miles east of Salina. KICT and KMCI are all served by scheduled airline services. At the time of this writing, there was no airline service into KSLN.



2. Schedule

The latest current schedule of events for U.S. Nationals will be posted on the IAC website and is subject to change to meet contest needs. Prior to the start of the contest, changes will be posted on the website. After the initial Contest Briefing, all changes will be posted in Hangar 606 and forwarded to pilots and volunteers via WhatsApp (See Communications below).

3. Regulations

3.1 General

The U.S. National Aerobatic Championships will be organized in accordance with the following:

- IAC Policy & Procedures Section 501 – IAC Championships
- IAC Policy & Procedures Section 503 – U.S. National Aerobatic Championships
- IAC Policy & Procedures Section 504 – Selection of U.S. Aerobatic Teams
- IAC Policy & Procedures Section 506 – Contest Juries at IAC Championships
- IAC Contest Rules 2022

The *IAC Policy & Procedures Manual* (P&P) can be found at <https://www.iac.org/policy-and-procedure-manual>. Member log-in required.

The *IAC Official Contest Rules* are available free of charge to IAC members and can be downloaded at <https://www.iac.org/download-contest-rules>. Member log-in required.

Please note, the *IAC Policy & Procedures Manual* (P&P) takes precedence over the *IAC Official Contest Rules* when conflicts occur.

It is the responsibility of each pilot to read and understand the above documents in their entirety especially the *IAC Policy & Procedures Manual* (P&Ps). The above listed P&Ps introduce several policies and procedures that are not standard at IAC regional contests and unique to Nationals.

4. Competitors, Aircraft and Fuel

4.1. All Competitors

4.1.1 All Competitors must comply with IAC Contest Rules 2022, Section 4.3

4.1.2 Consider completing your tech inspection form prior to arriving at Salina. Please note, this is a great way to make sure you have all the required documents for the contest. The tech inspection form is available on the IAC website.

- 4.1.3 It is mandatory that all Competitors bring **10 Forms A** and **20 each of your B and C Forms** of your Free Program to submit during registration.
- 4.1.4 In addition to the mandatory requirements of section 4.1.3, the contest staff is requesting pilots to also submit Frees in Adobe PDF format, as are generated by OpenAero. Although this is not a requirement, it will allow for a significant workload reduction in Registration and allow the contest to move along faster. Files are to be sent as individual A, B, and C PDF files using the naming convention as follows:

LastName_FirstName_IACNumber_Category_Freestyle_FormA.pdf
LastName_FirstName_IACNumber_Category_Freestyle_FormB.pdf
LastName_FirstName_IACNumber_Category_Freestyle_FormC.pdf

Examples:

Pilot_Joe_12345_Intermediate_Freestyle_A.pdf
Pilot_Joe_12345_Intermediate_Freestyle_B.pdf
Pilot_Joe_12345_Intermediate_Freestyle_C.pdf

Files are to be emailed to Bob “Bwana” Buckley at the following:

Bwana@comcast.net

Note this is in addition to the hard copies required as mentioned before. Bob Buckley will be preparing our scoring system in advance, and this saves time on site if he can get as many Free Programs loaded as possible before the start of Nationals.

- 4.1.5 Advanced and Unlimited competitors in the Power category should come prepared to submit Free Unknown figures in accordance with the rules provided in IAC Policy & Procedures, Section 503. Submission of Free Unknowns sequences to the Contest Jury requires submission with Open Aero computer files. Pilots are encouraged to become proficient in OpenAero or to partner with someone who is. See *Appendix A* to this Bulletin for additional details.

4.2 All 4-Minute Free Competitors

- 4.2.1 A USB thumb drive containing your music in mp3 format. Drive should be empty except for your music file which will be named YOURNAME.mps
- 4.2.2 A short bio which will be read to spectators (e.g.: hometown, day job, years in aerobatics, air show work, awards, past USA team participation, what sets you apart!). Please provide this in printed form at Registration. Narrator comments will also be live-streamed so this bio info is very important to inform those who will be watching from afar.
- 4.2.3 Smoke oil is available at the contest at no cost to the 4-Minute Free competitors.



4.3 Advanced Competitors in 4-Minute Free

A current 250 foot or lower Statement of Aerobatic Competency (SAC) card must be presented by Advanced category pilots who wish to fly the 4-Minute Free on the last day of Nationals.

4.4 Aircraft

Participating aircraft must comply with Section 5.3 of the IAC Contest Rules 2022.

4.5 Fuel

- 4.5.1. Fuel is not included with the entry fee. The IAC has negotiated a \$0.25/gallon discount with AvFlight during the contest and departure day on Saturday, 8 October 2022. See their web site as follows:

<https://www.avflight.com/Network/KSLN>.

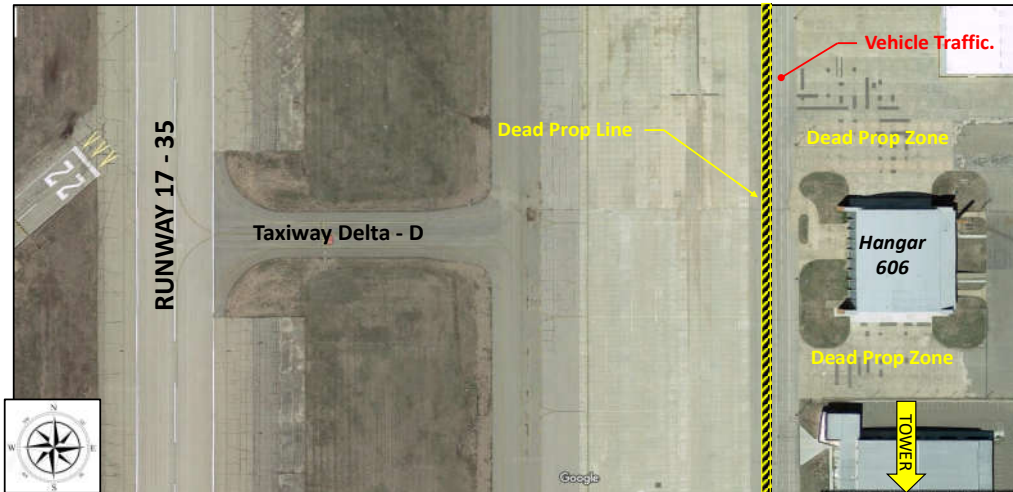
- 4.5.2. Competitors wishing to purchase fuel with AvFlight must fill out a Registration Form. The registration form is available upon arrival or may be downloaded from the IAC website and completed before arrival.

5. Arrival & Ramp Operations

5.1 Arrival

- 5.1.1 Competitors arriving by plane: if you are arriving prior to Thursday morning, contact AvFlight (Julie at 785-825-6739) for assistance with parking and hangar space. Hangar 606 will be available to competition pilots Thursday morning. Upon landing, request to taxi to Hangar 606. The “Dead Prop” area begins at the north/south painted road on the east side of the ramp as defined by the yellow line on the drawing below. Pilots are to ensure their propellers and their aircraft are stopped prior to being pushed across this line. Sportsman and Unlimited pilots are to stage in the north end of Hangar 606, Primary, Intermediate, and Advanced pilots are to stage in the South end of Hangar 606.
- 5.1.2 Arriving by car: exit interstate I-135 on West Shilling Road, exit 89. Go west for 1.25 miles. Turn right on Arnold Avenue. Drive North on Arnold Avenue for 0.4 miles. Arnold Avenue will turn to the right at that point. Turn left at the middle of that right turn and continue north for 0.2 miles to the parking lot on the east side of Hangar 606. Park your car and find a contest official.

5.2 Ramp



5.3 Practice Box

Prior to any pilot entering the practice box they MUST:

- 1) Complete a Technical Inspection and have a signed Tech Inspection Form
- 2) Read and sign the Liability Waiver (available at Tech Inspection)
- 3) Read and sign the Aerobatic Practice Area Waiver
- 4) Receive a Practice Box Briefing from the Box Monitor and sign the briefing form

NOTE: The Aerobatic Competition Box Waiver will be signed by the pilots at Registration.

6.0 Communications

6.1 Social Media

In the weeks prior to Nationals, news items will be published on various media sites including www.iac.org, Facebook, *Sport Aerobatics*, and IAC's *In the Loop* e-newsletter. Like us on Facebook. See aerobatic videos on YouTube.

Facebook: @EAAIAC

Twitter: @iachq

Facebook: <https://www.facebook.com/USNationalAerobaticChampionships>

6.2 Pilot Information and Schedules

- 6.2.1 Prior to Nationals, additional pilot information and schedule updates will be posted on the



IAC website.

- 6.2.2 While Nationals is in progress, the Communications Director will post schedule updates using **WhatsApp**. This will be the primary method of communication with participants as well as updates in Hangar 606. We recommend you install WhatsApp on your phone so we can begin to get that rhythm going prior to your arrival. WhatsApp is free. Two links are provided below to assist you. The first is for android phones and the second is for iPhones.

<https://www.androidcentral.com/how-set-and-start-using-whatsapp-android>
<https://www.imore.com/how-use-whatsapp-ultimate-guide>

For assistance, please email Monique Hartmann, mrsoilcan@gmail.com

6.3 Internet

Hangar 606 is equipped with WiFi. We will provide the WiFi network ID and required password to competitors and officials upon arrival.

7. Scoring at Nationals

Scores at the U.S. National Aerobatic Championships will be computed using JaSPer scoring software, the same system used at all regional IAC contests.

8. Miscellaneous

- 8.1 Contest organizers would also appreciate it you would bring a spare handheld radio for use during the contest. **NO RADIOS = NO CONTEST!** Please put your name on the back of the radio and the charger.
- 8.2 Pilots are encouraged to bring your own wheel chocks. ‘Normal’ ramp chocks are often too big to fit under wheel pants.
- 8.3 Alcohol is not allowed on any Salina Airport Authority property including the Hangar 606 parking lot.

9. Entry and Hangar Fees

Entry and hangar fees for the 2022 U.S. Nationals are as follows:

- Collegiate - \$250
- Primary - \$300
- Military (active duty and reserves) - \$300
- Sportsman thru Unlimited - \$500
- Unlimited 4-Minute - \$100
- Hangar Rent - \$125 per week

Appendix A

Free Unknown Process – Advanced and Unlimited

This Appendix to the Bulletin is a checklist and reminder of some of the issues regarding the selection of Free Unknown figures at the U.S. Nationals and preparation of Free Unknown sequences by competitors.

As a reminder, Advanced will fly two (2) Free Unknowns this year and Unlimited will fly only one (1). Two Free Unknowns are always scheduled in team selection categories. Pilots who declare as “team aspirants” will fly Free Unknown 2.

Please refer to the Nationals schedule on the IAC website and P&P Section 503. There is no need to repeat that text here. Pilots must come fully prepared to the briefing with figures to submit and to observe the limits that are described in 503.

Here are some tips:

- Be sure to have at least one alternate figure as repetitions are not allowed and it is also probable that the number of snap rolls may be met early in the selection process, and you may not be able to submit a figure with a snap if you are further down on the list.
- P&P requires that the Free Unknown sequence you prepare be submitted in OpenAero (.seq) format. We cannot accept PDF's or sequence strings. Only .seq files, please.
- Also note that when using OpenAero, you must use the **Free Unknown Designer** (FUD) feature (found in the menu at the top). Free Unknown Designer identifies the connector figures that you insert to make the sequence work (up to four) and you import the 10 figures we will provide you in a .seq file.
- Pilots will be called to the front to submit their figure on a poster board in your rank order in the Known results. For Advanced, the order of selection for Free Unknown 2 will be based on the provisional rank order of combined results at that point in the contest, to include team aspirants.
- Pilots must attend the briefing to submit a figure. There are no proxies.
- In Unlimited this year, it is possible we will have less than 10 pilots. If that is the case, then the Contest Jury will pick the additional figures needed to bring us to 10 figures for the Free Unknown.
- After 10 figures have been selected and checked, a list of official figures will be prepared and distributed to all pilots. These will be physically posted and available and also emailed to all pilots. Having your own email capability and access at the contest would be helpful. Notifications through WhatsApp will be done as well.



- In addition to the official list of figures (provided in PDF), we will also provide you a .seq file with the 10 figures. You upload this into OpenAero's Free Unknown Designer, and you are good to begin designing your sequence. It is a real time saver.
- Free Unknown sequences must be sent to the Contest Jury no later than the posted deadline. Sequences will not be accepted after that time. Be sure to keep this address handy as it is the email address the sequences must be sent to in .seq format:

iacfreeunknown@gmail.com

- After they have been checked and put into final form, all Free Unknowns will be posted physically and on the IAC website on the "Nationals" page. See the tab for "Sequences".

You must be sure to contact the Registrar with your sequence selection. They will be lettered, i.e. "A", "B", and so on. If you fail to select one by the deadline, the Contest Jury will select one for you, so the Registrar's assembly of the paperwork and clipboards is not delayed.

To summarize:

- Come prepared with figures. You also must have catalogue numbers when you submit your figure. Preparation minimizes delay and a lengthier briefing.
- You must submit a sequence using OpenAero. The file must be in .seq format. No sequence strings by email or PDF's. Sequences must be prepared using **Free Unknown Designer** (FUD) in OpenAero.
- Observe the deadlines for submission of your sequence and informing the Registrar of your choice.

Appendix B

Notes on OpenAero

OpenAero is free aerobatic sequence design software authored by Ringo Massa that runs inside your web browser. It works in almost any desk, laptop, phone, or tablet computer operating system that supports internet browsing.

OpenAero software is made available under the terms of the GNU General Public License as published by the Free Software Foundation. It is loosely based on OLAN sequence coding originally published by Michael Golan.

To use this software - simply click on this link or navigate your internet browser to <https://openaero.net/> and the latest version will appear.

If you are new to OpenAero or are having issues getting something to work as expected, then click the Help > Manual menu item to open the comprehensive technical help system.



Appendix C

Posters and Shirts – Designs by Susan Bell





2022 Nationals T-Shirt (Reverse)



Appendix D

Contact Info

Questions, comments, or suggestions should be directed to the Contest Director. If needed, he will put you in contact with the appropriate contest official. The Contest Director's contact information is as follows:

Mike Heuer
Mobile: (901) 230-9006
Email: mike@mheuer.com