



# U.S. NATIONAL AEROBATIC CHAMPIONSHIPS



**SALINA, KANSAS**  
**SEPTEMBER 22-27**

# 2024

# Bulletin 2

## 2024 U.S. National Aerobatic Championships

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# 1. General

As I write this, we are less than three weeks away from the first day of practice at the 2024 U.S. Aerobic Nationals. It is hard to believe a year has gone by so quickly. Planning for the 2024 U.S. Nationals began before the 2023 contest had even concluded. As the summer comes to an end, the volunteers who have been working tirelessly for many months are excited to welcome you back to Salina, KS.

If you are planning to attend the contest, and have not already done so, please register ASAP. Your registration plays a vital role in our planning purposes, such as ensuring proper head counts for the various social events throughout the week and guaranteeing we order enough contest shirts and other supplies to support our competitors and volunteers. Early registrations also play a crucial role in how the schedule is constructed. It is hard to estimate the duration of a category without knowing the expected level of participation. Finally, competitors are only able to secure their official practice slot after their registration and payment are made.

I hope you have all had a wonderful summer spent amongst family and friends, maybe even attended a contest or two. For those of you returning to Salina once again, I look forward to seeing you again. For those of you attending for the first time, I look forward to meeting you and our volunteers look forward to supporting you any way we can. Travel safe and we'll see you all in Salina soon!

## 1.1 Schedule

The official contest schedule has been published to the Nationals page. Please note – this schedule is still subject to change based on various factors i.e. level of participation in each category, weather, etc. Once the contest has commenced, any schedule change will be communicated to you by our Communications Director, Monique Hartmann. See communications below (10.2) for information on the medium used for Nationals. Competitors can plan for the opening briefing at 12 PM on September 22<sup>nd</sup>. The first official contest flights will tentatively begin at 1400 on September 22<sup>nd</sup> and will be the Advanced category.

## 1.2 Events

We received lots of positive feedback on the events and overall atmosphere from last year. We plan to build on that energy by hosting some new events in 2024. We're also planning to give a few more free evenings for folks to prepare for their contest flights and to enjoy smaller gatherings amongst new and old friends alike. The event schedule for the 2024 Nationals is as follows:

Saturday, Sept 21<sup>st</sup> – Key Volunteer Group Dinner, 7PM (Location TBD)

Sunday, Sept 22<sup>nd</sup> – Pancake Breakfast in Hangar 509, 7AM-10AM

Tuesday, Sept 24<sup>th</sup> – Medals Dinner 1 – Blue Sky Brewery – Drinks 6:30-7 PM, Dinner @ 7PM

Thursday, Sept 26<sup>th</sup> – BBQ w/ the Board, Medals Dinner 2 – Hangar 509 @ 6PM

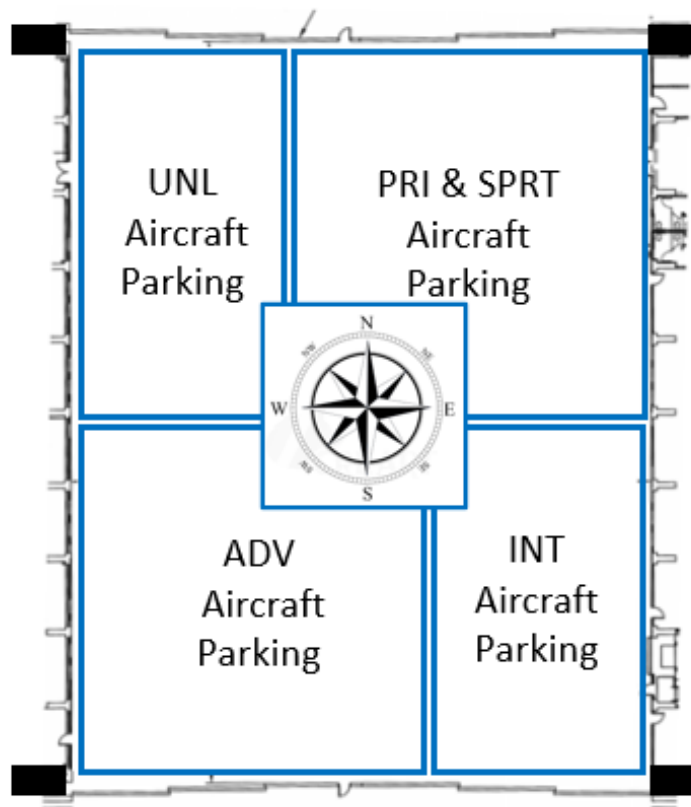
Friday, Sept 27<sup>th</sup> – Banquet & Auction – Hilton Garden Inn - Drinks 6:30-7 PM, Dinner @ 7PM

## 2. Hanger, Ramp Operations & Procedures

The 2024 U.S. Nationals will be headquartered in Hangar 509, which is located just North of the control tower (see Appendix B). Gliders and tow planes will use hangar 504, which is located to the South of the tower (see Appendix B).

### 2.1 Hangar Arrangements

Hangar 509 has doors on both the North and South end of the facility. We will group categories on each end of the hangars to allow our Starters to focus on one side or the other. The below distribution splits the aircraft.



Hangar 509 Parking Concept

**North Ramp** – Primary, Sportsman, Unlimited

**South Ramp** – Intermediate & Advanced



## 2.2 Ramp Operations

Below is the Starter's arrangement for the ramp. Please note the Dead Prop Line. Anyone operating a competition aircraft to the east of the yellow line shown (located to the west of the vehicle traffic roadway) is subject to penalties and/or disqualification.



## 2.3 Departures

Once cleared to start/started, contact Salina Ground. Expect an intersection departure on runway 17-35 from Taxiway D. Runway 17-35 is 12,301 ft. in length and taxiway D is nearly midfield. Upon departure from Runway 17-35 expect to fly runway heading or be given an EAST crosswind turnout. Continue to climb on the runway heading or crosswind until instructed to switch to the hold/Airboss frequency. At that time, you can proceed to the appropriate hold area, likely the secondary hold. You will be instructed to change to the HOLD frequency 122.125.

Please REMAIN on tower frequency until instructed to change. Please check in with the airboss once you have pushed to the hold frequency. You will be instructed by the Airboss when you are to proceed to the primary hold as well as when to switch to BOX frequency (129.925). Monitor the box frequency, but do not check in. A competitor may be in the box. You will be contacted as required. If you have been on the box frequency for some time without contact, please contact the Airboss on the hold frequency. Radio contact must be established with the chief judge and you must be cleared by the chief judge into the box.

## 2.4 Recovery, Landing, Taxi to the Ramp, and Parking

Remain on the West side of 17-35 and depart box downwind from runway you departed, descend/climb to 1,000' AGL, and on downwind to 17-35, contact tower on **119.3**. Turn base when advised by Tower and after landing:

- Turn off runway 17 at C - do not use D, E, or F unless directed by tower
- Turn off runway 35 at B or C

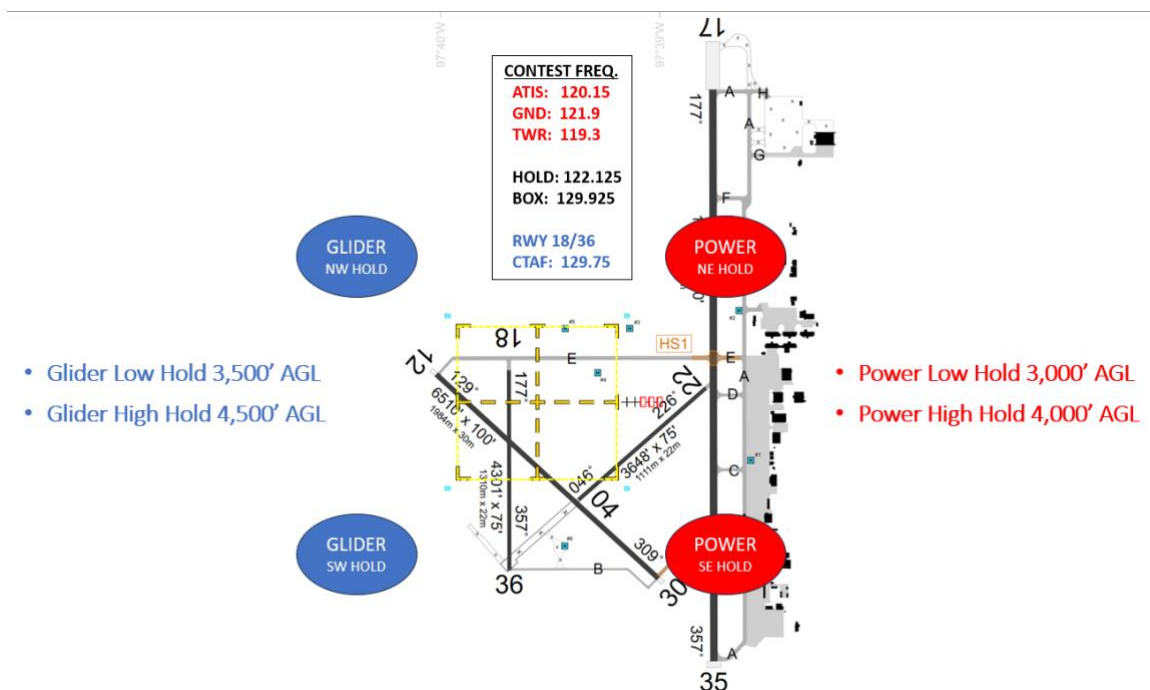
Contact Ground – **121.9**, taxi to fuel trucks by hangar 509 or to the North/Sound end of Hangar 509, as appropriate for your category.

## 2.5 Glider Operations

Glider operations will be briefed in detail at the opening briefing. We will use runway 18-36 for all tow plane and glider operations, as we have done previously. Runway 12-30 will also be available for crosswind situations.

## 2.6 Holding Patterns

As in the past, holding patterns will be used by gliders and powered aircraft. This will be briefed in detail during the opening briefing and each flight briefing. Hold locations remain the same as 2024 and this graphic is provided for general information.



### 3. Contingency Airport & Aborts

The following are possibilities for diversts in the event runways become unusable at Salina. Airports are ordered from closest to furthest. While Minneapolis City is the closest, Abilene Municipal is recommended due to the runway dimensions and available services. Below are the alternate airport specifications:

NAME	ID	BEARING	DISTANCE	RUNWAY(S)	FREQ
Minneapolis City	45K	347	18.5 NM	16-34 Asphalt (3,970'x20')	122.9
Abilene Municipal	K78	68	20.7 NM	17-35 Concrete (4,100'x75')	122.8
McPherson	KMPR	181	26.3 NM	18-36 Concrete (5,500'x100')	122.8
Ellsworth	9K7	262	27.2 NM	17-35 Asphalt (4,327'x50') 12-30 Grass (2,144'x250')	122.7
Lincoln Municipal	K71	301	28.9 NM	02-20 Grass (2,700'x130') 15-33 Grass (2,700'x370')	122.9





## 4. Waivered Airspace

The diagram below shows the waived airspace agreed to by the Salina Airport Authority, the ATC Tower, and FAA.



Note the **RED ARROW**. This is the eastern edge of the waived airspace that extends from the surface to 5,500 feet AGL. The segment of airspace to the east of that line is only waived from 500 feet AGL to 5,500 feet AGL. The vertical blue line, which is basically Runway 17/35 is a “deadline” for aerobatics below 500 feet that must be observed as this meets the Special Provisions of the FAA waiver which require 500 feet distance from occupied structures and non-essential personnel.



## 5. Rules & Deviations

The 2024 U.S. Aerobatic Nationals will be conducted in accordance with the 2024 IAC Rulebook, P&P's 501-506, and the FAI Sporting Code.

There are no rule deviations at the 2024 U.S. Nationals. However, P&P 503, which governs the U.S. Nationals, gives the contest director the discretion to schedule either a Known or a Free Known program in addition to a Free Unknown I and Free Unknown II program for the Advanced and Unlimited Categories. Furthermore, the P&P allows the Contest Director to schedule a traditional IAC Unknown in place of Free Unknown I. See below for applicable program format for the Powered Advanced and Unlimited categories.

### **ADVANCED**

IAC Known  
IAC Unknown  
Free Unknown II

### **UNLIMITED**

Free Known  
Free Unknown I  
Free Unknown II

This program format was reviewed and approved by the IAC Board of Directors. The Free Known program, as outlined by P&P 503, must be composed according to the FAI Sporting Code (see resources). All Free Unknown programs will be conducted and composed as outlined in P&P 503.

## 5.1 Free Unknown Programs

Advanced and Unlimited Competitors in the Power Categories should come prepared to submit Free Unknown figures in accordance with the rules provided in IAC P&P 503. Submission of Free Unknowns sequences to the Contest Jury requires submission with Open Aero computer files. Per P&P 503, the first Unlimited Free Unknown flight figures will be drawn from the IAC's list of allowable unknown figures and limited to minimum and maximum K values as defined in the P&P. The Advanced Free Unknown II flight and Unlimited Free Unknown II flight will have figures drawn from the CIVA catalogue of allowable unknown figures and limited to minimum and maximum K values as defined in the P&P.

## 6. Practice & Order of Flight

### 6.1 Practice Rules

Prior to practicing in the Aerobatic Box, pilots must:

- Sign the FAA Waiver located at the Box Monitor station.
- Have signed Aircraft Technical Review & Pilot Document Review forms, per the new IAC Tech Inspection process, and present them to the Box Monitor
- Have submitted [Letter of Intent](#) to fly with less than VFR minimum fuel requirements.
- Complete a briefing with the Box Monitor 60 minutes prior to your practice slot time.

**Open Practice** (Sunrise Wednesday, 18 September through 2 PM Friday, 20 September) – first come, first served. Upon arrival, check-in with the **Box Monitor** (Gary DeBaun) for any open practice slots. You may choose only one slot at this time. The Box Monitor has a checklist of items he is required to brief you on.

You may put your name and cell phone number on the Standby List for Open Practice. If someone has an open practice slot but does not check in with the Box Monitor **60 minutes** before their slot time it will be given to someone on the Standby List. If the box monitor calls you and you do not answer your phone, your standby slot will be given to the next person on the list.

**Official Practice** (2PM Friday, 20 September through 11 AM Sunday, 22 September) – You must have registered and paid your fees before you can pick an official time slot. All official practice day slots that do not have a contest fee payment associated with them will be released on Friday, September 13th. If you are having problems making the online payment for your registration, please contact Robin Simmons, Nationals Treasurer, for assistance or an invoice. Robin can be emailed at: [acronatstreasurer@outlook.com](mailto:acronatstreasurer@outlook.com).

You may choose only one slot at this time. Be aware slot times are hard times – if you want to change your time it may be difficult or not possible at all. The Box Monitor will do what they can to help you but remember – he is busy with pilots in the box and in the hold – interfering with them could be a safety issue to those already in the air.

#### Notes:

- Check your watch to ensure you have the **correct time zone**.
- You must be in the aerobatic hold at least **2 minutes before your Official Slot Time**.
- The Box Monitor will give you a two-minute warning before your time is up.
- You **must exit the box** when the Box Monitor tells you your time is up.

Questions? Don't wait till you get to the contest. Ask the Box Monitor(s) now:

Box Monitor  
Gary DeBaun  
[B747Inst@aol.com](mailto:B747Inst@aol.com)  
(612) 810-6783

Assistant Box Monitor  
Jeff Granger  
[jgranger230@gmail.com](mailto:jgranger230@gmail.com)  
(574) 721-4340

## 6.2 Order of Flight

We will be conducting drawings for the Order of Flight for the Power Advanced & Unlimited categories, as outlined in P&P 503. All other categories will have their order of flight randomly generated by JaSper. Drawings times for the Known program are outlined below. Drawings for the unknown and free unknown programs will occur during subsequent preflight briefings. While not mandatory, pilots are encouraged to attend their categories drawing to participate in the process. If the drawing conflicts with a scheduled practice slot or your pre/post flight preparations, a jury member will draw for you. The drawings will be held on Saturday, September 21st as follows:

1200	Unlimited Known Program Order of Flight Drawing
1230	Advanced Known Program Order of Flight Drawing

## 7. Sequence Submissions

**Pilots are requested to submit all Free Known (UNL) and Free programs (SPRT & INT) via email no later than **September 18<sup>th</sup>**.**

We will be preparing our scoring system in advance. This saves time on site if we can get the Free Known and Free programs loaded before the start of Nationals. Please email your Free Known and Free programs to the following email address: [nationals.freestyles@gmail.com](mailto:nationals.freestyles@gmail.com).

Please submit your freestyle in Adobe PDF format, including individual A, B, & C forms as well as a consolidated PDF of those forms using the following naming convention:

LastName\_FirstName\_IACNumber\_Category\_Freestyle.pdf

LastName\_FirstName\_IACNumber\_Category\_Freestyle\_FormA.pdf

LastName\_FirstName\_IACNumber\_Category\_Freestyle\_FormB.pdf

LastName\_FirstName\_IACNumber\_Category\_Freestyle\_FormC.pdf

Example 1:

Pilot\_Joe\_12345\_Intermediate\_Freestyle.pdf

Pilot\_Joe\_12345\_Intermediate\_Freestyle\_FormA.pdf

Pilot\_Joe\_12345\_Intermediate\_Freestyle\_FormB.pdf

Pilot\_Joe\_12345\_Intermediate\_Freestyle\_FormC.pdf

Example 2:

Pilot\_Joe\_12345\_Unlimited\_FreeKnown.pdf

Pilot\_Joe\_12345\_Unlimited\_FreeKnown\_FormA.pdf

Pilot\_Joe\_12345\_Unlimited\_FreeKnown\_FormB.pdf

Pilot\_Joe\_12345\_Unlimited\_FreeKnown\_FormC.pdf

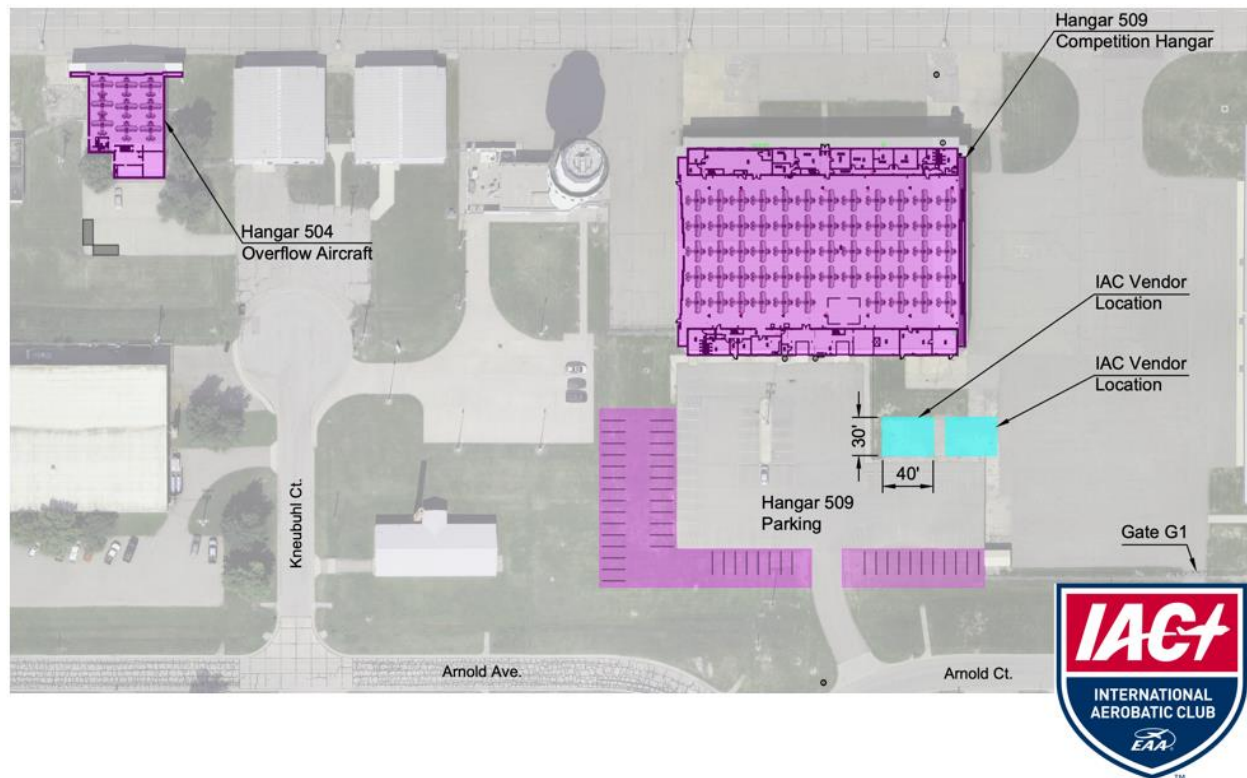
A confirmation email will be provided acknowledging receipt of your program files. Please contact Bob "Bwana" Buckley at [bwana@comcast.net](mailto:bwana@comcast.net) with any questions or concerns regarding your sequence submissions.



## 8. Parking & Airfield Driving

### 8.1 Parking at Hangar 509

The parking lot at hangar 509 is smaller than what we have had previously. The Salina airport authority has authorized additional parking in the grass, as needed (See diagram below). When able, please carpool and park in a manner that allows the maximum number of vehicles in the paved parking lot. Parking on Arnold Ave, Arnold Ct, or in the tower parking lot is prohibited.



### 8.2 Airfield Driving

As a reminder, all personnel operating a vehicle on the non-movement (ramp) and movement (taxiway/runway) areas are required to receive driver training. This training has been coordinated by our Logistics Coordinator, Jim Branstitre, and will be conducted on multiple occasions ahead of the contest start. Training dates and times will be announced in the future as they are still being coordinated with KSLN. Those vehicles/drivers who have gate access cards are requested to use Gate G1 (see above).

## 9. Banquet

This year, the U.S. Nationals medals dinner & Awards Banquet will be held free of charge to Nationals participants – pilots, officials, judges, and non-flying volunteers. This is thanks to the sponsorship of the banquet by **Aura Aero**, a French manufacturer of aerobatic aircraft. Our thanks to this fine company.



Guest tickets will be paid for onsite. However, a count of the final meal numbers is due to the Hilton no later than 14 Sept, 2024. If you are planning to bring a guest to the banquet, please contact our Events Coordinator, Sara Arnold (contact info below), prior to the date. Friends and family who were not accounted for are still welcome to attend the awards portion of the banquet but will not be allowed into the banquet room until after the meals have been served.

## 10. Miscellaneous

### 10.1 2024 U.S. Nationals is “Cashless”

No cash payments for entry fees, merchandise, auction items or donations will be accepted at nationals. We will accept all major credit cards, personal check, and PayPal.

### 10.2 Communications

WhatsApp will once again be the official communication medium for the U.S. Nationals. Please ensure you have downloaded the app and created an account to ensure you receive all pertinent contest communication.

## 11. Questions & Assistance

Please feel free to contact the Contest Director with any questions, concerns, or if in need of assistance.

Shad Coulson

Cell: (719) 650-6686

E-mail: [nationalsdirector@iac.org](mailto:nationalsdirector@iac.org)

## 12. Resources

[2024 U.S. Nationals Registration](#)

[IAC Rulebook](#)

[IAC Policies & Procedures](#)

[CIVA Free Known Power & Glider Figures – 2024](#)

[CIVA Section 6: Part 1 – Powered Aircraft 2024 v1](#)

[CIVA Free Known Program Guidance – Powered Aircraft 2024](#)

## Appendix A – Contest Officials

Key Volunteer Group			
Name	Title	Cell Phone	E-Mail
Shad Coulson	Contest Director	(719) 650-6686	<a href="mailto:shadcoulson@gmail.com">shadcoulson@gmail.com</a>
Mary Beth Rudd	Registrar	(850) 766-3160	<a href="mailto:marybethrudd@gmail.com">marybethrudd@gmail.com</a>
Alice Johnson	Volunteer Coordinator	(615) 579-0698	<a href="mailto:aljohnson487@gmail.com">aljohnson487@gmail.com</a>
Monique Hartmann	Communications	(561) 713-4280	<a href="mailto:mrsoilcan@gmail.com">mrsoilcan@gmail.com</a>
Keith Doyne	Safety Director	(717) 512-2608	<a href="mailto:kdoyne@verizon.net">kdoyne@verizon.net</a>
Dale Byrkit	Starter	(402) 366-7495	<a href="mailto:dbyrkit@windstream.net">dbyrkit@windstream.net</a>
Doug Vayda	Assistant Starter	(386) 327-5029	<a href="mailto:dougwayda@gmail.com">dougwayda@gmail.com</a>
John Smutny	Airboss (Overlord)	(206) 399-7097	<a href="mailto:johnsmutny@gmail.com">johnsmutny@gmail.com</a>
Jeff Baker	Asst. Airboss	(203) 417-2169	<a href="mailto:jbaker580rv@gmail.com">jbaker580rv@gmail.com</a>
Gary DeBaun	Practice Box Monitor	(612) 810-6783	<a href="mailto:b747inst@aol.com">b747inst@aol.com</a>
Jeff Granger	Assistant Box Monitor	(574) 721-4340	<a href="mailto:jgranger230@gmail.com">jgranger230@gmail.com</a>
Chris Rudd	Chief Tech Inspector	(850) 766-3756	<a href="mailto:marybethrudd@gmail.com">marybethrudd@gmail.com</a>
Pike Kelly	Asst. Tech Inspector	(805) 268-4962	<a href="mailto:pike.kelly@gmail.com">pike.kelly@gmail.com</a>
Teri Branstitre	Scoring Director	(503) 407-2543	<a href="mailto:teri.branstitre@gmail.com">teri.branstitre@gmail.com</a>
Bob Buckley	Asst. Scoring Director	(719) 277-7017	<a href="mailto:bwanabawb@comcast.net">bwanabawb@comcast.net</a>
Forrest Fox	Videographer	(763) 443-2428	<a href="mailto:f2p@comcast.net">f2p@comcast.net</a>
Sara Arnold	Hospitality & Events	(515) 991-0866	<a href="mailto:sarnold969@gmail.com">sarnold969@gmail.com</a>
Dr. Jonathan Apfelbaum	Medical Director	(801) 913-1211	<a href="mailto:jonathan.apfelbaum@gmail.com">jonathan.apfelbaum@gmail.com</a>
Jim Branstitre	Logistics	(503) 407-2542	<a href="mailto:branstitre@comcast.net">branstitre@comcast.net</a>
Mark Matticola	Glider Ops	(719) 440-1965	<a href="mailto:mark.matticola.1@us.af.mil">mark.matticola.1@us.af.mil</a>



IAC Officials			
Jim Bourke	President	(541) 231-6077	<a href="mailto:president@iac.org">president@iac.org</a>
Tim Dankhe	Executive Director	(608) 697-1648	<a href="mailto:execdir@iac.org">execdir@iac.org</a>
Lorrie Penner	Editor	(513) 284-5076	<a href="mailto:editor@iac.org">editor@iac.org</a>

Chief Judges			
D.J. Molny	Judges Coordinator	(303) 619-4814	<a href="mailto:judgeschair@iac.org">judgeschair@iac.org</a>
Mark Matticola	Primary/Sportsman	(719) 440-1965	<a href="mailto:mark.matticola.1@us.af.mil">mark.matticola.1@us.af.mil</a>
Nick Buckenham	Intermediate	+ 44 7773 768386	<a href="mailto:nick@nickandjenb.co.uk">nick@nickandjenb.co.uk</a>
D.J. Molny	Advanced	(303) 619-4814	<a href="mailto:judgeschair@iac.org">judgeschair@iac.org</a>
Hector Ramirez	Unlimited	(256) 651-1648	<a href="mailto:heclau@aol.com">heclau@aol.com</a>

Jury Members			
Barrett Hines (Jury Chair)	Southwest Region	(805) 217-3998	<a href="mailto:barretthines@verizon.net">barretthines@verizon.net</a>
Keith Doyne (Safety Director)	Northeast Region	(717) 512-2608	<a href="mailto:kdoyne@verizon.net">kdoyne@verizon.net</a>
Monique Hartmann	Southeast Region	(561) 713-4280	<a href="mailto:mrsoilcan@gmail.com">mrsoilcan@gmail.com</a>
Mike Lents	Mid-America Region	(218) 779-2725	<a href="mailto:michael.lents@und.edu">michael.lents@und.edu</a>
Mike Gallaway	South-Central Region	(214) 673-9935	<a href="mailto:mike.gallaway@tx.rr.com">mike.gallaway@tx.rr.com</a>
Rob Holland	Northeast Region	(603) 401-0001	<a href="mailto:rob@ultimateairshows.com">rob@ultimateairshows.com</a>
Aaron McCartan	Mid-American Region	(712) 346-8700	<a href="mailto:northernplanes@outlook.com">northernplanes@outlook.com</a>
Jury Alternates			
Craig Gifford	Southeast Region	(952) 681-0066	<a href="mailto:craig@craiggifford.com">craig@craiggifford.com</a>
John Shavinsky	Northeast Region	(917) 225-4286	<a href="mailto:jshavinsky@gmail.com">jshavinsky@gmail.com</a>
Phillip Gragg	Southwest Region	(208) 272-0141	<a href="mailto:phillip.gragg@gmail.com">phillip.gragg@gmail.com</a>
Dagmar Kress	South-Central Region	(303) 887-4473	<a href="mailto:dagmaraerobatics@me.com">dagmaraerobatics@me.com</a>
Jeff Granger	Southwest Region	(574) 721-4340	<a href="mailto:jgranger230@gmail.com">jgranger230@gmail.com</a>
Dick Swanson	Mid-America Region	(515) 571-7197	<a href="mailto:n79ss@yahoo.com">n79ss@yahoo.com</a>

# Appendix B – Airport Diagram

## Airport Diagram and Location of Hangars 509 (Power) & 504 (Glider)

