

Welcome to
**SAE AERO
DESIGN®**
East 2025
All Hands Briefing

Aero Design East Organization

Brett Foley
SAE




 **Zeke Bowden** **Boeing**
Rules Committee
Comp Director (TX) / Air Boss

Jaclyn Mejia **LM**
Volunteer Coordinator /
Director (TX)

Ron Anderson
FW Thunderbirds President




Sara Guffey
SAE



 **Lonnie Dong** **LM**
Rules Committee
Chief Scoring


 **Mike Beriswill** **LM**
Rules Committee
Competition Director (FL)

Sam Corelitt
Safety/Pilot Coordinator



Victoria Ewing
SAE



 **Glenn Cashion** **LM**
Rules Committee
Chief Air Boss

 **Dr. Ryan Reynolds** **LM**
Rules Committee
Rules Chairperson

 **David Moroniti**
Rules Committee

 **Tom Blakeney**
Rules Committee
Lead Tech Inspector

 **Josh Childs** **LM**
Rules Committee
Tech Inspection



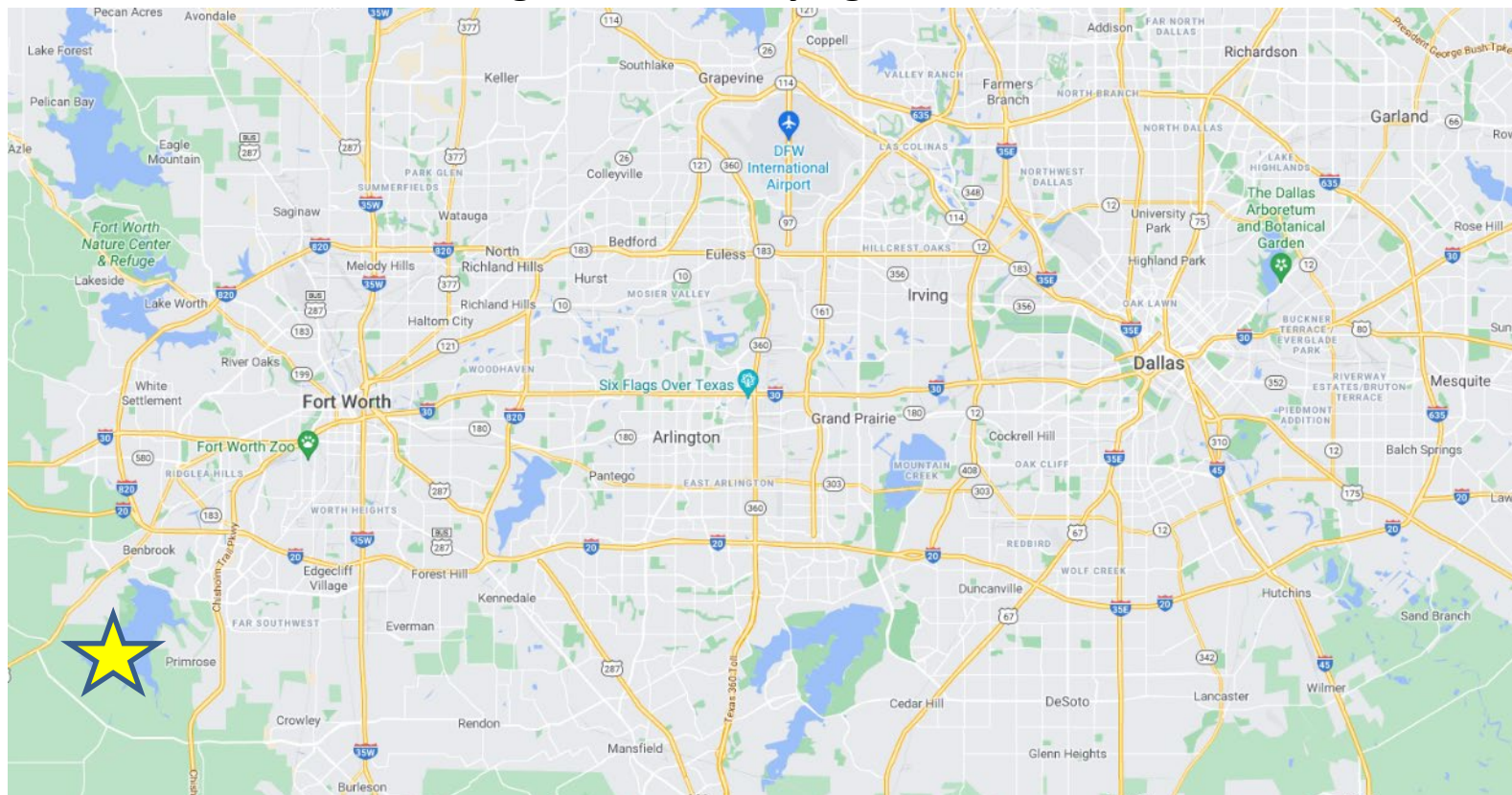
Red Hat = Rules Guidance

Friendly Competition

2025 is the 39th year of SAE Aero Design

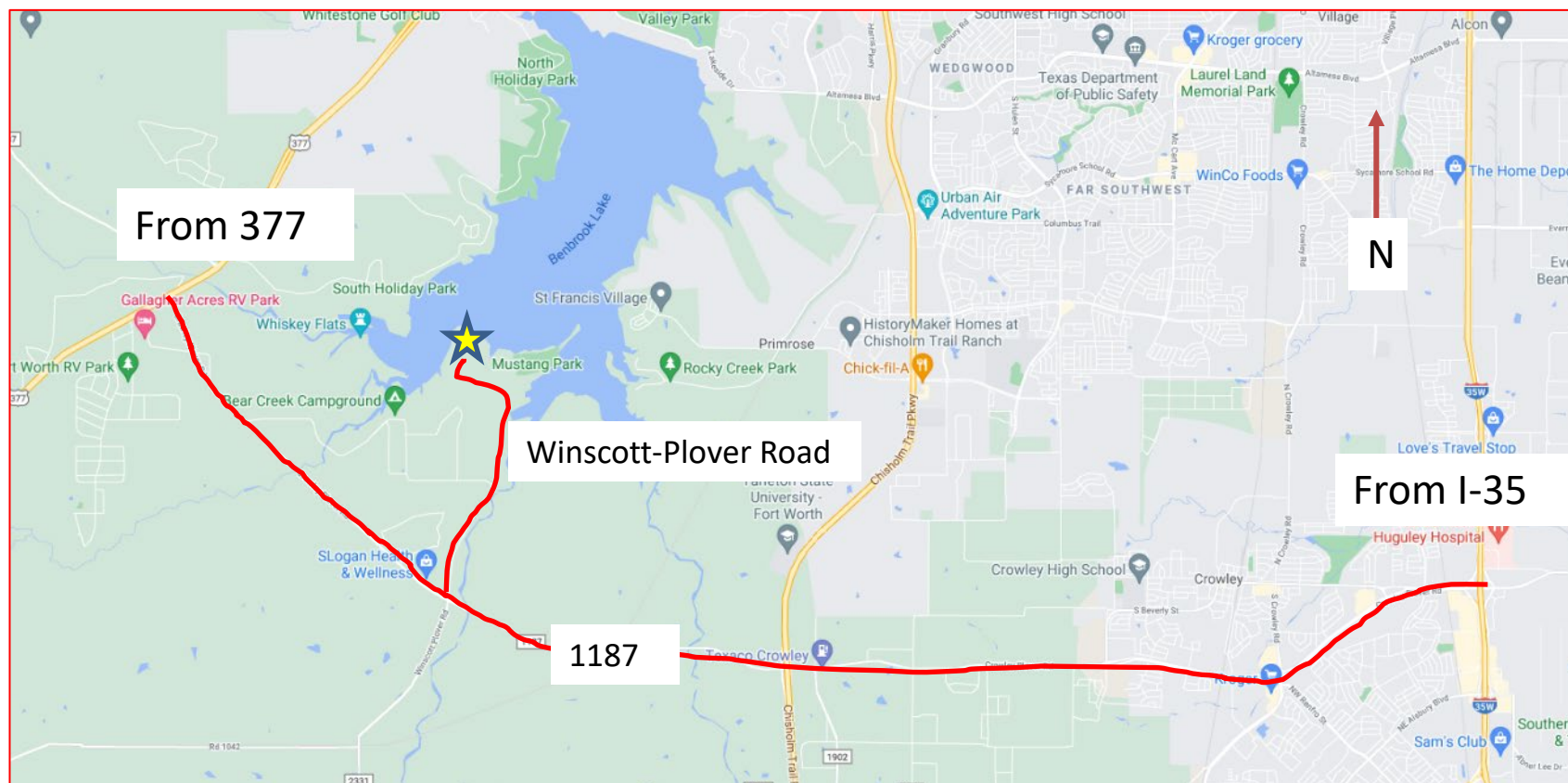
- **We have been doing this for a long time and continue to refine and improve the competition based on your feedback and industry trends**
- **We have dedicated volunteers who judge reports and presentations year after year. We have seen many examples of rules violations over the years.**
- **Plagiarism is not tolerated**
 - Written reports, oral presentations, etc.**
- **Aircraft designs must be original**
 - Be clear which design elements (if any) are recycled**
- **Serious consequences for infractions up to and including disqualification and notification of university officials**

Aero Design East 2025 flying site location



4300 Winscott Plover Road, Fort Worth TX 76126

Aero Design East 2025 flying site location

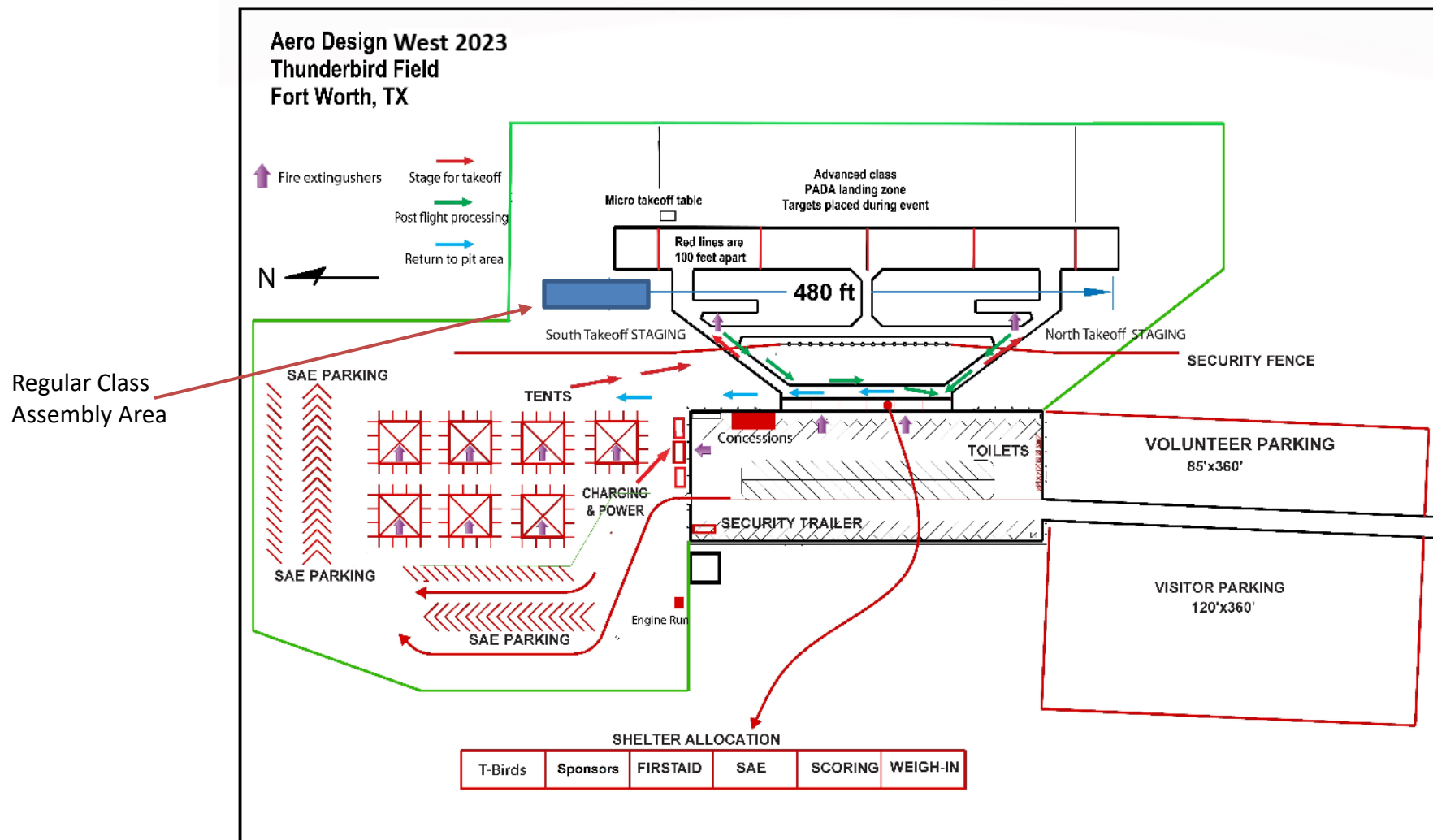


4300 Winscott Plover Road, Fort Worth TX 76126

Aero Design East 2025 flying site location



Aero Design East 2025 flying site diagram



Flying site access

The following entry and exit rules below are government requirements set by the US Army Corps of Engineers, who manage the park the flying site is in.

1. The park **cannot** be entered before 6AM. Please do not ask to get in before 6AM.
2. Teams must use the Mustang Park gate for field access.
3. **Speed limits in the park must be observed.**
4. Teams that do not have their own vehicles must prearrange for their own reliable and scheduled transportation. This transportation must be at the field to pick teams up no later than 6PM Saturday and 3PM Sunday. You must have transportation with enough seats for all team members.
5. All SAE traffic must exit via the Mustang Park gate
6. All teams must be out of the park by 7 PM.
7. Our last volunteer workers cannot leave the field until all teams have left.
8. Please be polite and cooperative at all times with all park officials and with the event officials and volunteers. See rules number 1.17.1 and 1.17.2.
9. Typical April weather can **easily exceed 80 degrees**, and lows can be in the 50s. Please plan accordingly. **Stay hydrated!** We have free bottled water on or near the paved parking lot.
10. Don't forget the sun block!

Tents

- One table per team
- Four chairs per team
- No electricity in tents: use power/charging area for power needs.
- Electric aircraft can be ground tested outside the tents and well away from people No motor running in the tents.
- Please remember: only team members can work on aircraft.
Please do not allow ineligible people to work on your aircraft.

Schedule for Friday, April 14, 2025

Thunderbird Field, Lake Benbrook

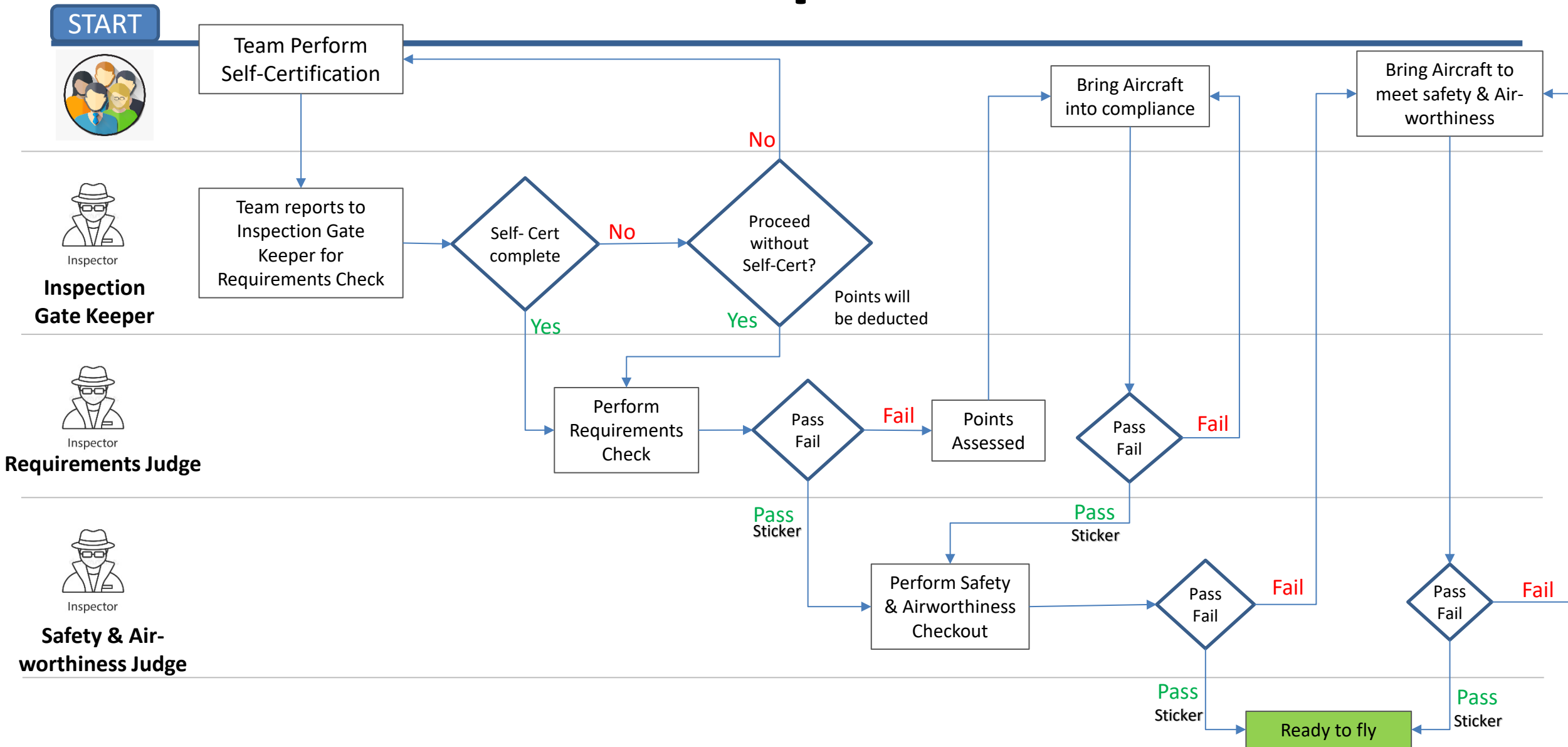
- 6:15 AM: Park And Flying Field Open
- 7:20 AM: Inspection process review with inspectors
- 8:00 AM: Registration Opens – Mandatory before inspection
- 8:30 AM – 5:00 PM: Inspections. Teams are assigned tables and time slots. Please show up on time at the correct table

Please come prepared for Technical/Safety Inspection on Friday at your designated time.

New

- Teams **MUST** complete Self-Certification this year via www.saesars.com
 - Teams will receive team subscription code to perform this task 2 weeks prior to event.
- Teams MUST be registered and have wrist bands in order to be inspected
- Passing Technical Inspection is required to participate in Competition Flying on Saturday and Sunday
- If you are not prepared and/or miss your scheduled inspection time, you will be subject to delays which could impact your ability to compete (you may not get inspected until Saturday)

New Tech Inspection Flow



Self-Certification

- Create an account and log into www.saestars.com

1. Enter Team
Subscription Code

Event Score Tracking and Recording System

Menu - [Admin, SAE](#)

My Dashboard

Subscription Code:

Subscribe +

Online ECR

Weather Data

Assess Report

Assess TDS

Assess Drawings

Assess Requirements

Presentations

Inspections

Tech-ECR Assessment

Crash - Reinspection

Flights

Airboss

Publish

Manage Teams

2. Click on Subscribe after you
enter the team subscription
code

Self-Certification

Once you've subscribed, your team dashboard should appear

Team #

Team Name

Status of your
Requirement Inspection
by Judge


3. Click on the
Requirements Button


My Dashboard


000
Starlink


☒ Requirements
Requirements Check
Not Started


☒ Safety
Safety Check
Not Started

 0.0000
Design

 0.0000
Presentation

 0.0000
Penalties

 0.0000
Flights

 0.0000
Results

Subscription Code:

Subscribe +

Point value of Requirement:

- If team self-certified that they met the requirement and the judge confirms, **no points** will be assessed
- If team self-certified that they met the requirement and the judge cannot confirm, **requirement's point value** will be assessed
- If team **elect to skip self-certification**, requirement's point value will be **automatically assessed** and the team will need to bring the aircraft into compliance
- **Teams CANNOT elect to skip self-certification on [Absolute Requirements]**

Requirement Checks

Self-Certification means the team has certified that the requirement line-item is in compliance with the rules

1 - Empty CG Design Requirement and Empty CG Markings

2.00 pts

Not Started

1.1 - Aircraft empty CG is located in a safe flyable position

☐**Self-Certified to be in Compliance with this Requirement.**

Please reference [Section 6.6 REQUIREMENTS CHECK & SAFETY AND AIRWORTHINESS INSPECTION PENALTIES] in the rules document for further details
All penalties accrued will be deducted from the team's FINAL Overall Score

2.00 pts

Not Started

1.2 - All aircraft have the fuselage clearly marked on both sides with classic CG symbol (at least .5

☐**Self-Certified to be in Compliance with this Requirement.**

Please reference [Section 6.6 REQUIREMENTS CHECK & SAFETY AND AIRWORTHINESS INSPECTION PENALTIES] in the rules document for further details
All penalties accrued will be deducted from the team's FINAL Overall Score

2.00 pts

Not Started

1.3 - Empty CG position on aircraft matches submitted drawing

☐**Self-Certified to be in Compliance with this Requirement.**

Please reference [Section 6.6 REQUIREMENTS CHECK & SAFETY AND AIRWORTHINESS INSPECTION PENALTIES] in the rules document for further details
All penalties accrued will be deducted from the team's FINAL Overall Score

2 - Aircraft Conformance to 2D Drawing

5.00 pts

Not Started

2.1 - Aircraft length, wingspan and height measured and compared to 2D drawing. Tolerance: total deviation no more than 3" for all three dimensions. Any other measurement on the drawing may be inspected.

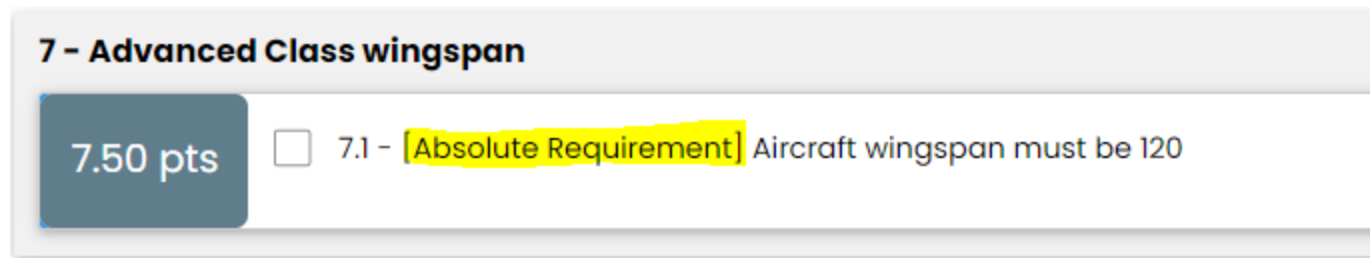
☐**Self-Certified to be in Compliance with this Requirement.**

Please reference [Section 6.6 REQUIREMENTS CHECK & SAFETY AND AIRWORTHINESS INSPECTION PENALTIES] in the rules document for further details
All penalties accrued will be deducted from the team's FINAL Overall Score

Place a "check" to self
certify that your team
is in-compliance with
the requirement

Self-Certification

- [Absolute Requirement] – A requirement that must be satisfied to participate in the flying portion of the event
 - *Example: If the [**absolute requirement**] is to have a maximum wingspan of 10ft (120 inches), the team cannot skip this [**absolute requirement**] and elect to take the penalty points and use a 20ft wing instead.*
- [Absolute requirements] will be clearly marked on the Self-Inspection screen



7 - Advanced Class wingspan

7.50 pts ☐ 7.1 - **Absolute Requirement** Aircraft wingspan must be 120

Schedule for Saturday, May 3, 2025

Thunderbird Field, Lake Benbrook

- 6:15 AM: Park and Flying Field Open
- 7:00 AM: Inspection open
- 7:00 AM: Pilot's Safety Briefing followed by Flight line Staff Briefing
- 7:30 AM: Flight Stewards briefing & Walk thru
- 8:00 AM – 12:00PM: Fly (Note. Flying starts at 8AM sharp!)
- 12:00 – 12:30 Break for lunch
- 12:30 – 5:00 Fly

Schedule for Sunday, May 4, 2025

Thunderbird Field, Lake Benbrook

- 6:15 AM: Flying Field open
- 7:00 AM: Inspection open
- 7:00 AM: Pilot's Safety Briefing followed by Flight line Staff Briefing
- 7:30 AM: Flight Stewards briefing & Walk thru
- 8:00 AM – 12:00PM: Fly (Note. Flying starts at 8AM sharp!)
- 1:30 PM – 2:30 PM Award Ceremony
- 3:00 PM Close Competition

Getting Ready to Fly

1. Pickup Flight Log & Flight Ticket from HQ
 1. **Flight Log:** History of aircraft flight – Cannot fly without log
 2. **Flight Ticket:** For Scoring - Cannot earn points without ticket
2. Proceed to Pit Area and meet a pre-flight Flight Steward
 1. No repairs in the pit area.
 2. Team Must be ready to fly.
 - Flight ticket, Flight log, safety glasses, arming plug, radio(s), pilot(s) (if shared, must be in close proximity), necessary hardware and tools, Recovery Crew, Assembly & Launch Crew, spotter for photography

Note: Details on the Flight Deck, Staging Area, and Flight Order of Operations will be shared closer to event date

Post Flight Procedures

Successful flight:

- Meet a Post Flight Steward who will have your flight card and flight ticket to assist at the weigh station
- Be prepare for the unloading time event at the Weigh Station

For Unsuccessful Flight attempts

- Must wait for team's flight log to return to HQ (By Flight Steward) before another flight ticket can be issued
- If Re-Inspection is required, team must have Tech Inspection cleared by tech inspector before a ticket is issued

Score Announcements

Scores will be posted on Saturday Only

- **Noon**
- **Evening**

No Score will be posted on Sunday

On-site Contacts for SAE Aero Design East 2025

- Event Directors for SAE and Lockheed Martin:
 - Zeke Bowden (281-620-7728 cell, emergency only)
 - Jaclyn Mejia
 - Thunderbirds: Sam Corlett

Other topics:

- PLEASE clean up your area as you go and at the end of each day of flying.
- Items below are **Strictly Prohibited**:
 - Alcohol
 - Smoking (Vaping Included)
 - Open Toe Shoes / Sandals
 - Drones / Flying Objects of any kind, size or weight
- Typical April weather can **easily exceed 80 degrees**, and lows can be in the 50s. Please plan accordingly. **Stay hydrated!** We have free bottled water on or near the paved parking lot.
- Don't forget the Sun Block!
- Lots of wildlife in the park area. Drive the speed limit.