

SUAS 2010

Judges Observations

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The Early Stuff

- Register early – First year that we shut out teams
- Read rules early – develop lists of questions
- Participate in university day
 - Read university day notes
- Read the updated Rules
- Make the deadlines – you are losing points before the competition starts

Read the rules

Papers

- Address everything discussed in rules
 - Test results
- Check your spelling and grammar
- Read papers from the past
- Systems engineering competition
 - It's about the mission, not the technology
- Tell us how your design meets the requirements, not the other way around
- Journal raw score had 4 teams within 1.5 point!
ATTENTION to DETAIL – it Matters!
- Meet the deadline

Read the Rules

Test Readiness Review

- Not a design brief
 - But judges have not read your paper, so do quick overview
- Demonstrate readiness to accomplish competition objectives
 - Numbers are nice
 - Did you fly the mission ahead of time?
- Understanding of Risks and Mitigations is critical
 - Mission risks
 - SAFETY RISKS

Test Readiness Review

- Speak LOUDLY
 - Judges are old
- Print **BIG**
 - Judges are REALLY old
- Sun is bright
- Introduce your team
 - All members should have a role
- Say it AND show it
- Observe other teams – especially final

Read the Rules

The Mission

- Overt System Engineering Competition
 - Air Vehicle
 - GCS
 - Data Links
 - Payloads
 - Support Systems
 - People

The Mission

- Covert Logistics Competition
 - Spare Parts
 - Support equipment
 - Reliability
 - Design for maintenance
 - Training
 - Documentation

The Mission

- Classic Issues
 - Inadequate Flight Test
 - Sunlight readability
 - Not Practicing team coordination
 - No radios
 - Not writing down data, as well as on stick
 - Not writing down the first waypoint that we gave you
 - Wrong units on data – don't miss Mars
 - Inadequate system check out at Webster
 - Not reading the rules

Feedback

- Help us improve
- Send email to Joe with suggestion
 - Rules
 - Logistics
 - Facilities
- Talk to us tonight
- Participate in University Day
- Some of our current ideas
 - Availability requirement – incentivize not needing a time out
 - Tear down time requirement
 - Transportability requirement – Off field on time

“Other” Observations

- My Favorite Quote

Payload Operator, “This is like the worst video game ever”

My response, “It’s called reality”

- Best UAV Mod

Alberta for the “lucky allen wrench/ Pirate Hook”

Other

- Best Test of Karma-Air Force for telling us at their oral brief “We had 2 successful autonomous landings and tomorrow we will have 3”
 - Decals – we must be moving towards NASCAR promotions
 - Best advice for a team lead
- Team Blackbird should not let their team lead near caffeine on fly days

Other

- Experience matters – top 10 teams had experience
- Best Gadget: Ipads! (Utah)
- Checklists: Do not check a component by breaking it! (ER-SOAR)
- Safety inspections can be more hazardous than judging on the flight line – things fall off in the pit area too!

Other

- Air Force – You saw the model tanks in the fields, but there were no model Ships – in the trees!
- You can leave with your memories – but be sure to leave with all your parts.
- Good Samaritan award is for NC State for helping Florida U get their mission complete.

Other

- VCU – the 1st hunter killer Entry ever!
- When the sky is falling and everyone else is running... but all you see is Blue, and it's not the sky...you must be an AUVSI Judge!
- Don't get extra points for hitting a judge with your airplane
- The International Stickmen symbology shows what yours team does and adds clarity!
- Great weather, lots of flying, judges and staff are fork tender!

Thanks

- To all of the judging team who donated their time and put up with my ranting
- The Safety Judges, who roasted in the sun and reliably made boundary calls
- The rest of the competition volunteers, they did the hard work and let the judges have all of the fun
- Joe Brannan – who really makes it happen
- The teams for being an endless source of entertainment