

General Atomics Remotely Piloted Aircraft Systems Pilot Training



Presented To:

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Crew Makeup

- Pilot
- Sensor Operator
- Crewchief
- Avionics Technician

GA-ASI Pilot Requirements

- **FAA Commercial Pilot Certificate with a current Instrument Rating**
- **300 hours as Pilot-in- Command (PIC)**
- **FAA Certified Flight Instructor (CFI) highly desired (required for upgrade to instructor pilot)**

Competency Based Training

- **It's not a video game**
- **Not everyone gets a trophy**
- **Train like any other pilot transitioning to any new aircraft.**
 - Think type rating
 - Datalink management

Typical Training Syllabus

- **Classroom Ground School**
- **10 Hours Simulator**
- **40 Hours Aircraft**
- **Event Requirements**
 - Launch Sequences
 - Touch and Go's
 - Take Offs
 - Landings

Foundations of Training

- **Aircraft Control**
- **System Knowledge**
- **Safety/Judgement**

Competency Based Training

- **Solid foundation in the aircraft systems gives the pilot the ability to think through effects of any situation encountered**
- **Simulated system failure or emergencies throughout training**
- **Why are you doing that step?**
- **What if this happened?**

Competency Based Training

- Phase checks during training and a final check ride for mission pilot qualification where student demonstrates competency
- Instructor pilots have recently returned from operation deployments,
- Senior test pilots are also instructor pilots and get a chance to fly with students
- Constant “there I was” stories to impart operation realities to students
- Hangar flying

Grand Forks Training Facility



Summary

- **RPA are aircraft and training should reflect that.**
- **Competency Based Training of RPA crews has a 25 year history of success at General Atomics**

Questions?



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