

Agenda

Day One - Thursday, January 30

Unmanned Aircraft Systems (UAS) Part 107 Seminar Program Overview

FAA Regulations

- Regulation history
- Section 333 exemption
- A UAS pilot – is a pilot
- 14 CFR Part 107 – UAS/drone regulations (2008)
- Section 336 – recreational/hobby

UAS Licensing Requirements

- Part 107 requirements
- Proficiency and testing
- UAS registrations
- Recurrency testing
- General licensees

Airspace Designations

- NAS – National Airspace System
- Special use designations and airways
- Airspace class designations
- UAS airspace restrictions

UAS Flight Restrictions

- Airspace restrictions – rules of the road/air
- TFRs – what and when
- Part 107 rules for UAS flights
- Online planning tools

Sectional Charts and their Use

- General overview – what is a sectional chart?
- Online sectional charts
- Aviation navigation – a UAS pilot primer

Sectional Charts Workshops

- Hands-on workshops using sectional charts

Day One Overview and Discussions and Q&A

Day Two - Friday, January 31

Aviation Weather for UAS Operations

- A pilot's weather briefing
- Weather and UAS operations
- METARs and aviation weather
- Weather restrictions

Airport Operations

- Basic airport knowledge
- Airspace and airports
- Communications needs

Aeronautical Decision Making

- UAS operations – common sense?
- PAVE/IMSAFE procedures
- Risk analysis for operations

UAS Crew Resource Management

- Single pilot operations
- Complex mission considerations
- Part 107 crew requirements

FAA Knowledge Test – General Overview

- Part 107 knowledge test overview
- Exam preparation sources
- Pilot knowledge components
- FAA website portal

FAA Authorization and Waivers

- Authorization vs waiver
- Waiver process
- Part 107 regulation relief
- Authorization process
- LAANC system

Practice FAA Commercial UAS Exam - Practice Part 107 Exam for UAS pilots

Exam Review and Discussion

- Practice exam walkthrough and discussion
- General discussion with Q&A

UAS Part 107 Remote Pilot FAA Requirements Training Seminar

Jessup, MD - January 30 and January 31, 2020

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PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Explore the requirements for becoming FAA Part 107 pilot, and discuss testing for certification under Part 107.

Examine airspace designations and UAS flight restrictions.

Learn about FAA published Section Charts that guide pilots of all aircraft.

Understand the areas of required knowledge for the written FAA test, including airport operations and aeronautical decision making.

Review for an abbreviated FAA Part 107 Practice Exam.



Find us on
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UAS Part 107 Remote Pilot FAA Requirements Training Seminar



A two-day seminar held in Jessup, MD
Thursday, January 30 and Friday, January 31, 2020

Understand FAA regulations that apply to unmanned aircraft systems (UAS)

Explore UAS licensing requirements, flight restrictions, and airspace designations

Participate in hands-on workshops using sectional charts

Learn about airport operations and aeronautical decision making (weather, risk analysis) for UAS operations

Review the FAA Knowledge Test for UAS and participate in a practice exam

Continuing Education Credits

**Professional Engineers
& Land Surveyors**
13.0 PDHs

Geologists
13.0 Pennsylvania PDHs
12.0 Delaware PDHs



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This seminar is being presented for education and training purposes. Attendance does not guarantee a passing grade on the FAA Part 107 exam.

Faculty

Mark D. Jones, P.E. *Principal, Hartech Engineering & Consulting, LLC*

Mr. Jones, P.E. is president of Hartech Engineering which was founded in 2007 as a multi-discipline civil engineering consulting firm providing infrastructure, development and municipal design services for the public and private sectors. Bringing over 30 years of engineering expertise along with specific state-of-the-art, computer-aided technology to achieve efficient, cost saving design solutions, he also provides hydrology and hydraulic studies and reports along with general civil engineering support for prime consultants to PennDOT or local municipality projects. Mr. Jones is a licensed pilot and studied Military Civil Engineering while serving in the USAF and continues his Masters education locally through Penn State. Additionally, he is also a registered professional engineer in the states of Pennsylvania, Maryland, Arizona and Georgia.

Here’s what past attendees had to say about the course and presenter Mark Jones:

“This man really knows his stuff” - Civil Engineer/Land Surveyor

“Mark was so good! Really knows his topic. Answered all questions with authority.” - Civil Engineer/Land Surveyor

Seminar Information

Thursday, January 30 and Friday, January 31, 2020

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|----------------------------------|--------------------|---------------------|
| Holiday Inn Columbia East | Registration | Lunch (On your own) |
| 7900 Washington Blvd. | 8:00 - 8:30 am | 12:00 - 1:00 pm |
| Jessup, MD 20794 | Morning Session | Afternoon Session |
| (410) 799-7500 | 8:30 am - 12:00 pm | 1:00 - 4:30 pm |

Tuition

\$499 for individual registration for both days

\$450 each for three or more simultaneous registrations for both days

Included with your registration:

Complimentary continental breakfast and printed seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

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Additional Learning

Webinar Series

Technical Writing

- **Technical Writing and Planning Documents**
Wed., Jan. 8, 2020, 11:00 AM - 1:00 PM CST
- **Technical Writing and Writing Documents**
Wed., Jan. 8, 2020, 1:30 - 3:30 PM CST
- **Technical Writing and Writing Documents**
Thurs., Jan. 9, 2020, 11:00 AM - 1:00 PM CST
- **Practical Floodplain Management**
Thurs., Jan. 8, 2020, 1:30 - 3:30 PM CST

Geothermal Heating and Cooling

- **Thermodynamic Basics of Geothermal Systems**
Thurs., Jan. 9, 2020, 11:00 AM - 12:00 PM CST
- **Understanding Earth Loop Systems**
Thurs., Jan. 9, 2020, 12:30 - 2:00 PM CST

- **Choosing and Designing Geothermal Systems**
Fri., Jan. 10, 2020, 11:00 AM - 12:00 PM CST
- **Evaluating and Maintaining Geothermal Systems**
Fri., Jan. 10, 2020 , 12:30 - 2:30 PM CST

Off-Grid Master Class

- **Part I**
Wed., Jan. 22, 2020, 11:00 AM - 2:15 PM CST
- **Part II**
Thurs., Jan. 23, 2020, 11:00 AM - 2:15 PM CST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 13.0 PDHs to professional engineers in all states and land surveyors in most states. HalfMoon Education is an approved continuing education provider for engineers and land surveyors in Maryland. Individual courses are not subject to preapproval.

HalfMoon Education is an approved continuing education sponsor for professional engineers and land surveyors licensed in Indiana, North Carolina, and North Dakota. HalfMoon Education is also an approved education provider for Florida and New Jersey engineers (Approval No. 24GP00000700).

HalfMoon Education is deemed a New York-approved continuing education provider for engineers and land surveyors via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §68.15 (i)(2)).

This course is approved by the New Jersey State Board of Professional Engineers and Land Surveyors for 13.0 PDHs for professional land surveyors.

This course offers 13.0 PDHs to Pennsylvania professional geologists. Educators and courses are not subject to preapproval.

The Delaware Board of Geologists has approved this seminar for 12.0 continuing education hours in the 6.9.5 and 6.9.9 category.

Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$450. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

UAS Part 107 Remote Pilot FAA Requirements Training Seminar

Jessup, MD - Thursday, January 30 and Friday, January 31, 2020

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| <div><p>How to Register</p><p>Online: www.halfmoonseminars.org</p><p>Phone: 715-835-5900</p><table><tr><td>Fax: 715-835-6066</td><td>Code:</td></tr></table><p>Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278</p><p>Complete the entire form. Attach duplicates if necessary.</p></div> | Fax: 715-835-6066 | Code: | <div><p>Registrant Information</p><p>Name: _____</p><p>Company/Firm: _____</p><p>Address: _____</p><p>City:_____State: _____ Zip_____</p><p>Occupation: _____</p><p>Email: _____</p><p>Phone: _____</p><p>Additional Registrants:</p><p>Name: _____</p><p>Occupation: _____</p><p>Email: _____</p><p>Phone: _____</p><p>Name: _____</p><p>Occupation: _____</p><p>Email: _____</p><p>Phone: _____</p><p><small>Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.</small></p><p>() I need special accommodations. Please contact me.</p></div> |
| Fax: 715-835-6066 | Code: | | |
| <div><p>Tuition</p><p>() I will be attending the live seminar. Single Registrant - \$499.00. Three or more registrants from the same company registering at the same time - \$450.00 each.</p><p>() I am not attending. Please send me the self-study package:</p><p><input type="checkbox"/> Downloadable MP3 Audio/PDF Manual for \$450.00.</p><p><input type="checkbox"/> CD/Manual Package for \$490.00. <input type="checkbox"/> USB/Manual Package \$490.00. (S&H included. Please allow five weeks from seminar date for delivery)</p><p>Checks: Make payable to HalfMoon Education Inc.</p><p>Credit Card: <i>Mastercard, Visa, American Express, or Discover</i></p><p>Credit Card Number: _____</p><p>Expiration Date: _____ CVV2 Code: _____</p><p>Cardholder Name: _____</p><p>Billing Address: _____</p><p>City:_____State:_____ Zip: _____</p><p>Signature: _____</p><p>Email: _____</p></div> | | | |
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