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UAS Pilots Code: Tools to Advance UAS Safety & Professionalism

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UAS Pilots Code

Tools to advance UAS Safety & Professionalism

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Overview

- The UAS Pilot
- The case for raising the bar
- Aviators Code Initiative
- UAS Pilots Code
- Highlights from the Code
- Get the Code!
- Questions

How can you tell you are in a room full of pilots?

Just ask who the best pilot is…they won't hesitate to tell you!

What makes a good Pilot?

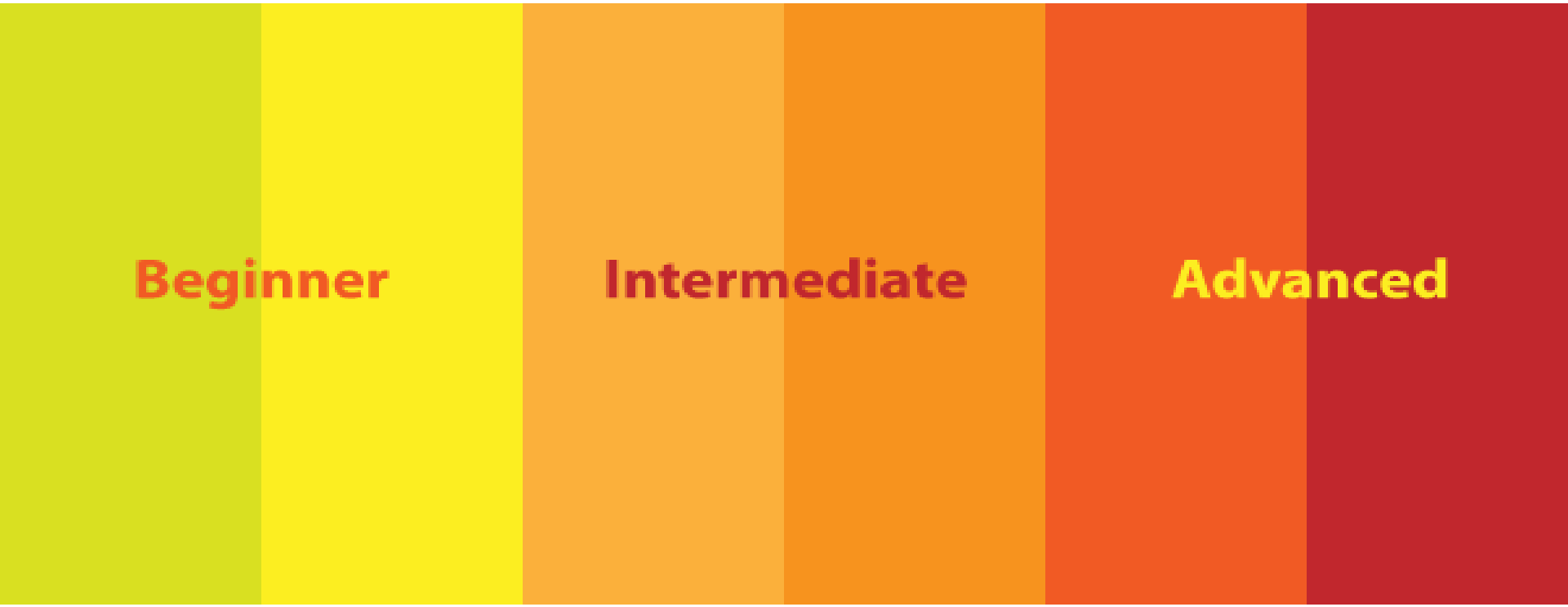
But UAS pilots aren't *real* pilots…

Recent Google search shows strong evidence…

UAS pilots ARE *real pilots…*

What makes a good UAS Pilot?

Unmanned Aircraft News…



Focused is always on the “minimum” standards…

Why do UAS pilots get such a bad rap?

What about *raising the bar?*

Aviators Code Initiative

- 15-year, voluntary passion project
- Improve aviation safety
- Codify aviation best practices to “raise the bar”
- 8 *Codes of Conduct*
  - Aviators
  - Flight Instructors
  - Glider Pilots
  - Helicopter Pilots
  - Light Sport Aviators
  - Seaplane Pilots
  - Student Pilots
  - *Operating in the Presence of Drones

ACI
AVIATORS CODE
INITIATIVE

AVIATORS CODE INITIATIVE

Innovative tools advancing aviation safety and offering a vision of excellence for aviators.

The ACI materials are for use by aviation practitioners – pilots, mechanics, organizations, and the entire aviation community. Designed to be adaptable by the implementer, they are provided without charge and periodically updated.

- The Codes of Conduct
- UAS/Drone Materials
- Recent Developments
- Supporting Materials
- Language Translations
- About
- Acknowledgements
- Media Resources

AVIATION MAINTENANCE TECHNICIANS CODE

AMTMCC AVIATION MAINTENANCE TECHNICIANS MODEL CODE OF CONDUCT

Tools to advance AMT safety, citizenship and professionalism

AVIATORS CODE

AMCC AVIATORS MODEL CODE OF CONDUCT

Tools to advance aviation safety and professionalism

FLIGHT INSTRUCTORS CODE

FIMCC FLIGHT INSTRUCTORS MODEL CODE OF CONDUCT

Tools to advance flight and ground instructor safety and professionalism

FLIGHT SAFETY IN THE DRONE AGE CODE

FLIGHT SAFETY IN THE DRONE AGE

Safety guidance for manned aircraft pilots operating in the presence of drones

GLIDER AVIATORS CODE

Recommended voluntary practices to advance flight safety, airmanship, and the glider community

HELICOPTER PILOTS CODE

HMCC HELICOPTER PILOTS MODEL CODE OF CONDUCT

Tools to advance helicopter flight safety and professionalism

LIGHT SPORT AVIATORS CODE

Recommended voluntary practices to advance flight safety, airmanship, and the sport aviation community

SEAPLANE PILOTS CODE

Recommended voluntary practices for seaplane pilots to advance flight safety, airmanship and the aviation community

STUDENT PILOTS CODE

STUDENT PILOTS MODEL CODE OF CONDUCT

Recommended voluntary practices for student pilots to advance flight safety, airmanship, and the general aviation community

UAS PILOTS CODE

UAS PILOTS CODE

Tools to advance UAS safety and professionalism

Newest Release: *UAS Pilots Code!*

- Created by a team of researchers, industry professionals, and technical SMEs
- Primarily designed for civil UAS pilots
- Practical advice, tips, & “gotchas” *beyond the scope of regulation*
- 275 annotations
- Peer reviewed by more than 50 aviation & UAS professionals

UAS PILOTS CODE

UAA UNIVERSITY AVIATION ASSOCIATION

UAS Pilots Code

- Divided into seven sections
  - General Responsibilities of UAS Pilots
  - Manned Aircraft & People on the Surface
  - Training & Proficiency
  - Security & Privacy
  - Environmental Issues
  - Use of Technology
  - Advancement of UAS Aviation
- Principles
  - Concise, general objectives
- Sample Recommended Practices
  - Specific suggestions for applying Principles

Highlights from Code

Importance & Considerations of Pre-Flight Planning

Site Surveys:
Hazards & Risk Assessment

Wind, Weather, & Weight…

Wildlife & Environmental Considerations

Human Factors Issues

Malfunctions, Emergencies, & Response Planning

UAS Accidents & Reporting

Privacy Guidance

Mentorship & Self-Directed Training

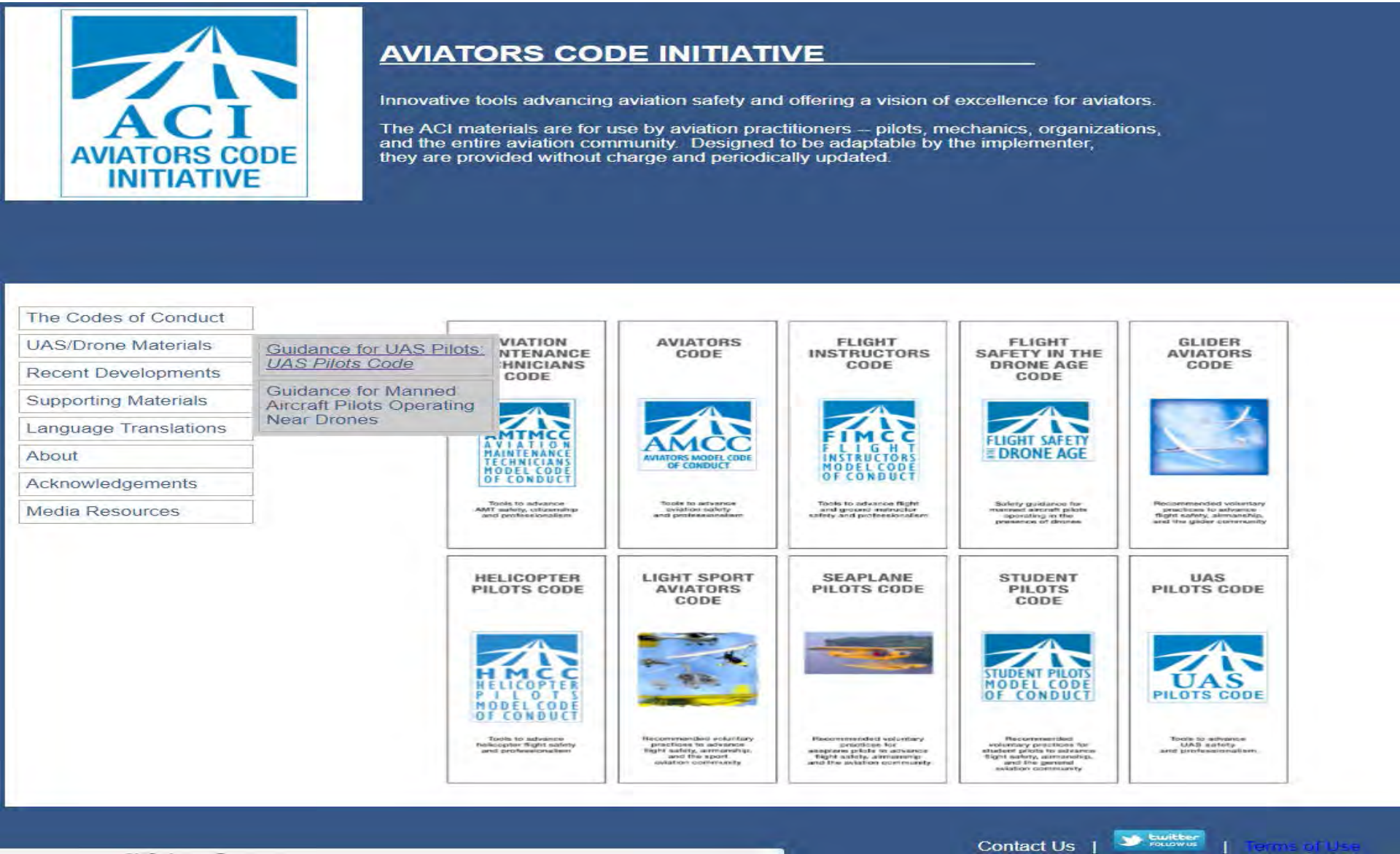
Inspections, Maintenance & Condition for Safe Flight

Registration, Regulations, & Waivers

Technology & Automation

Resources for Training & Education

Get the *free* UAS Pilots Code! (www.secureav.com)



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Questions?