UASA 522: PQ Card Endorsement for DJI Go Application Based Flight Maneuvers for Live Broadcasting with Small Unmanned Aerial Systems (UAS)

Flight operations for live broadcasting and single pilot on-air footage that will not be edited requires very specialize training. The importance of conducting a safe and compliant flight requires the pilot to delegate to the autopilot the tasks of maintain maneuver geometry while the pilot clears the airspace and manages the camera. Originally developed by UASA for the social media research program at UASA "LASRlive™" the course has evolved to support other international broadcasting entities such as ABC News, ESPN, Australian Broadcasting, and Fox Sports. Each of these entities operates flights differently and under varied compliance requirements.

To effectively develop and deliver a Broadcast-focused flying course yielding pilots that use good decision making KSAs while producing world-class footage that is in total usable in a live feed UASA provides an intense 2-day "Boot Camp" for teams seeking to use LASR-Air Systems (air drones) in support of networks.

The pilot must complete all of the ground school "read-aheads" and submit a series of practice flight files to be enrolled. Adequate practice time is allotted during the course prior to each maneuver proficiency demonstration.

Additionally, the pilot must meet the health and age requirements for operations within their business, agency, or operation.

2 Days of Full Time Flight School on DJI GO Application Operations and Maneuvers
In Support of Single Pilot Live Broadcasting

DATE/TIME: *DD MMM YYYY THRU DD MMM YYYY. THE COURSE STARTS AT 0830 AND ENDS AT 1630 EACH DAY.*

REFERENCE MATERIALS: *UASA 522 COURSE SLIDES; UASA INDOOR FLYING WITH DJI GO FLIGHT MANEUVERS GUIDE.*

BRING YOUR LUNCH, WATER, ETC – WE WORK THROUGH EXTRA INSTRUCTION AND WILL BE ON THE LOT

LEAD INSTRUCTOR:
JIM BLANCHARD, SCD
CHIEF SCIENTIST, UAS ACADEMY
JWB@UASACADEMY.ORG
703 856 8400

LOCATION:
tbd
LASR@ Location Address
City State

COURSE OBJECTIVES:

1. Develop an understanding of the checklist procedures, DJI Go Application menus and settings, and Aeronautical Decision Making (ADM) requirements needed to safely and accurately execute advanced mission requirements.

2. Demonstrate a high level of proficiency as both PIC and VO during advanced maneuvers that require the PIC to rely solely on the VO to manage the line of sight requirement as well as Aeronautical Decision Making (ADM).

3. Achieve mastery of terminologies and 2-way radio communication between PIC and VO when advanced maneuvers require physical separation between the PIC and VO.

4. Demonstrate the ability, both as PIC and as VO, to abort, recover, and safely land during an advanced mission even if manual control of the aircraft is required to do so.

5. Demonstrate the ability to perform all of the maneuvers in the Single Pilot Maneuvers Guide.

6. Demonstrate the ability to provide an "air-ready" narrative for pilot operations audio channel.

7. Provide to other pilots an effective critique of pilot operations.

8. Provide to other pilots an effective critique of the video content in accordance with standards provided by UASA in the pre-course ground school materials.