

SWINGLET CAM TRAINING CERTIFICATE

THIS CERTIFIES THAT

Ben Cardles

H A S S U C C E S S F U L L Y C O M P L E T E D

Module 1- Office Based study

- Fundaments
- Software + Firmware
- Planning, safety awareness
- Postflight Suite

Number of Training flights completed: 5

Duration: 1 day

Place: Palmerston, Ont.

Ag Business & Crop Inc.
5929 Perth Rd. 178
Palmerston, Ont.
N0G 2P0

Module 2- Field Based Study

- Flight conditions
- Preflight checks
- Control and abort techniques
- Start+ Landing
- Error comprehension

Date: 4 March 2012

Instructor: Felix Weber, T.Ag., Private Pilot

SIGNATURE

DATE



March 5, 2012

SWINGLET CAM TRAINING CERTIFICATE

T H I S C E R T I F I E S T H A T

Fred Judson

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S I G N A T U R E

March 5/2012

D A T E

Aq Business & Crop 'swinglet CAM' Training Topics

Office Based Study

Name: Fred Judson
Ben Carottes

Date: March 5/2012

N°	Topic	Comments
1	Software installation and setup	CL
2	Updating the Soft- and Firmware	CL
3	Support structure for software updates and support requests	CL
4	How the UAV flies – autopilot fundamentals	DM
5	What is required for optimal conditions	CL
6	Camera settings	DM
7	Battery life and charging the batteries	CL
8	Weather understanding: - Wind speed (Min/Max conditions and effects on UAV) - Rain and other Weather Conditions	DM
9	Planning a mission	CL
10	Cockpit, Waypoint construction and design	CL
11	Altitude conditions	CL
12	Controlling photo locations and photo runs	CL
13	Uploading mission to UAV, export & import	CL
14	Pre flight check - Weather via websites - Location and possible obstructions - Battery check - UAV check	CL
15	Take off conditions - Available Space - Wind Direction - Obstacles	CL
16	Landing conditions - Surface types - Available space - Wind Drift - Obstacles - Abort procedures	CL
17	Downloading pictures	CL
18	Using PostFlight Suite and Services	DM
19	Interpretation of logfile	DM
20	Cleaning UAV	DM
21	First level repair (gluing the airframe, changing the scotch, gluing the transport case foam)	talked
22	Control swinglet on malfunctions (after crash or issues)	CL

Field Based Study

N°	Topic	Comments
1	Pre flight check of UAV, Batteries	DM, CL
2	Take off condition verification	DM, CL
3	Landing condition verification	DM, CL
4	Control station setup and verification	CL
5	UAV launch to 75m holding position	DM, CL
6	Demo-Mode	CL
7	Mission commencement and control	CL
8	Mission abort techniques	CL, DM
9	Error message understanding	CL, DM
10	Landing procedure and abort techniques	CL, DM
11	Manual override of UAV with remote control	DM

CL = completed

DM = demonstrated

NI = needs improvement

NA = not applicable