



Town of Buena Vista

Drone Training Park



Certification Zone Training

(updated 2022-12-05)

Introduction

This certification course is based on one used by the Center of Excellence for Advanced Technology Aerial Firefighting based in Rifle, Colorado. It is used to qualify first responders and public safety pilots, certifying their drone flying skills.

The full maneuver regimen is shown in the pages to follow.

CDPS Flight Certification Course

Based upon

Standard Test Methods for Small Unmanned Aircraft Systems
ASTM International Standards Committee on Homeland Security
Applications; Response Robots (E54.09)

Maneuvering Course must be completed in 12 or less minutes.

NIST National Institute of
Standards and Technology
U.S. Department of Commerce



COLORADO
Center of Excellence for Advanced
Technology Aerial Firefighting
Department of Public Safety



Basic Maneuvering

The diagram illustrates a sequence of drone maneuvers. It starts with a 'LAND' phase followed by a 'LAUNCH' phase. The drone then moves 10 feet to the right. At this point, it performs a 180-degree rotation (labeled '180°' with a green circular arrow) and then moves and rotates again ('MOVE AND ROTATE'). It then moves 10 feet to the right and performs a 360-degree rotation ('360°' with a green circular arrow) and moves and rotates again ('MOVE AND ROTATE'). Next, it moves 10 feet to the right and performs another 180-degree rotation ('180°' with a green circular arrow) and moves and rotates again ('MOVE AND ROTATE'). Finally, it moves 10 feet to the right and performs a 'CLIMB AND DESCEND' maneuver (indicated by a red vertical double-headed arrow) and then a 180-degree rotation ('180°' with a green circular arrow). The path is marked with various colored dashed lines (green, purple, yellow, red) and numbered points (1, 2, 3, 4). A yellow arrow labeled 'FLY STRAIGHT AND LEVEL' points from point 2 to point 3.

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Basic Maneuvering

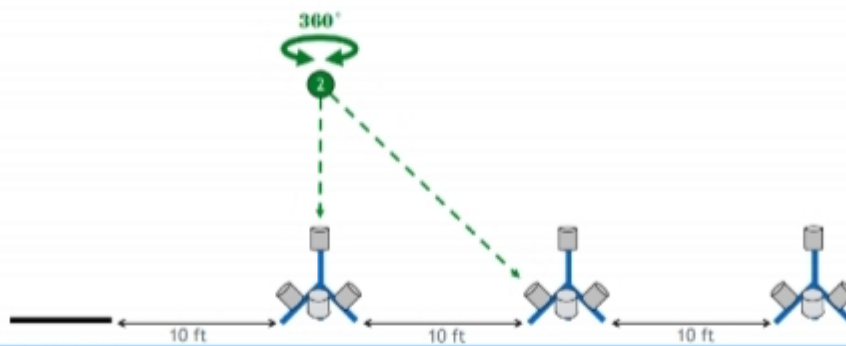
The diagram shows a drone flight path starting with a 'LAUNCH' phase. The drone then moves 10 feet to the right and performs a 180-degree rotation (indicated by a grey curved arrow). It then moves 10 feet to the right and performs another 180-degree rotation (indicated by a purple dashed line and a purple dot labeled '1'). The path is marked with a purple dashed line and a purple dot labeled '1'. An inset image shows a bucket with a target on it.

Note: the outer black ring should be visible when looking into the bucket on your screen.

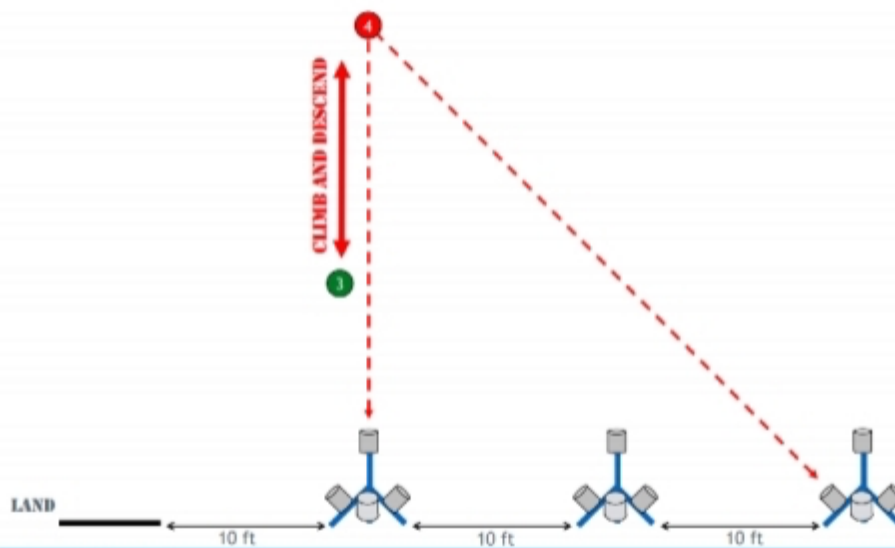
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Basic Maneuvering

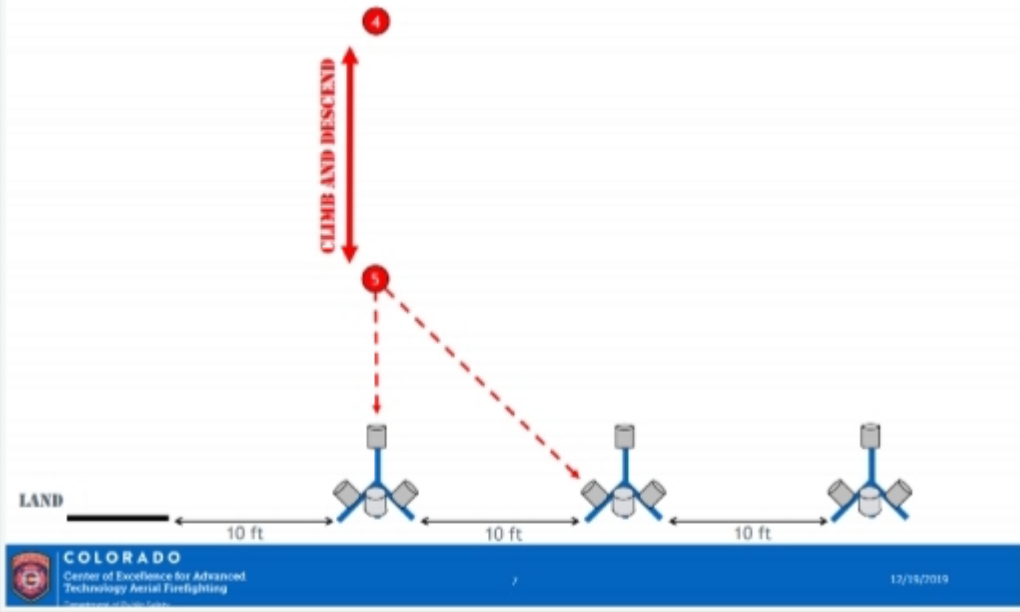


Basic Maneuvering

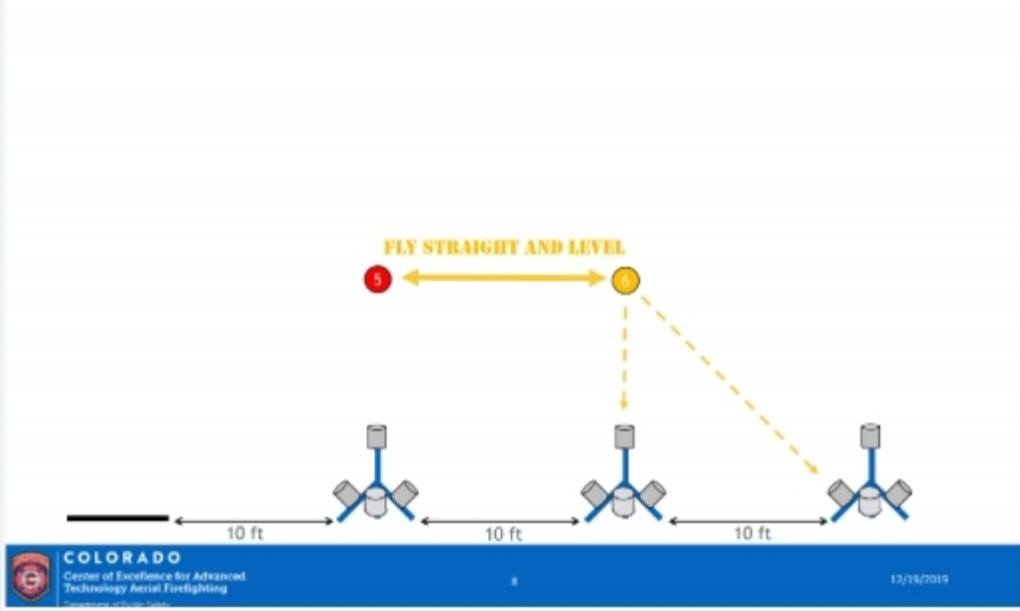




Basic Maneuvering

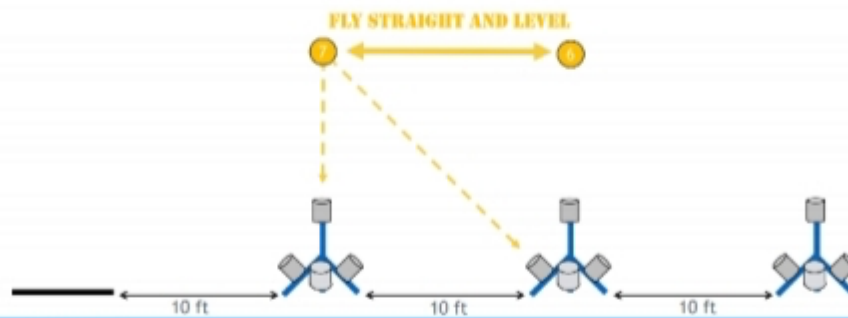


Basic Maneuvering

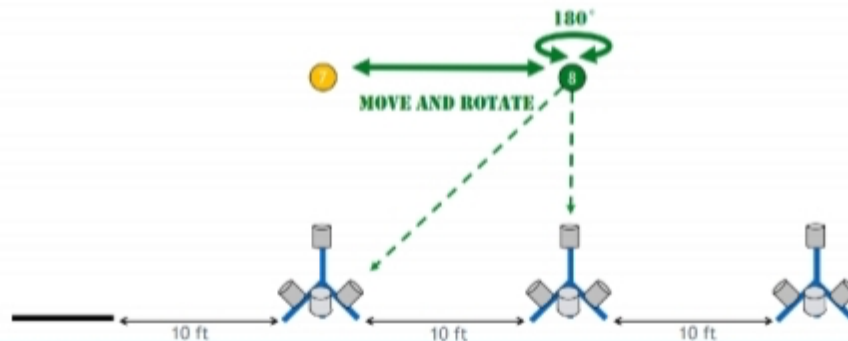




Basic Maneuvering

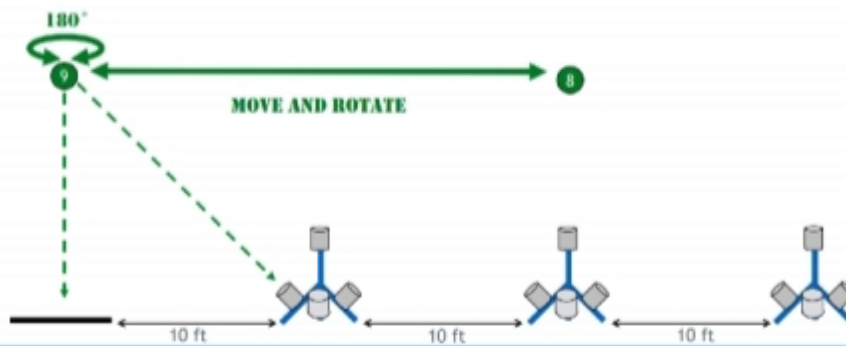


Basic Maneuvering

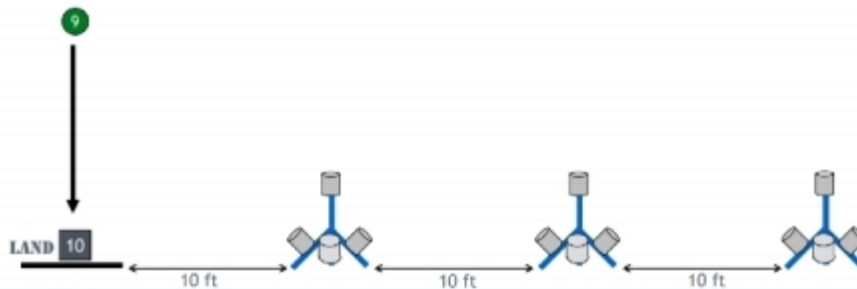




Basic Maneuvering

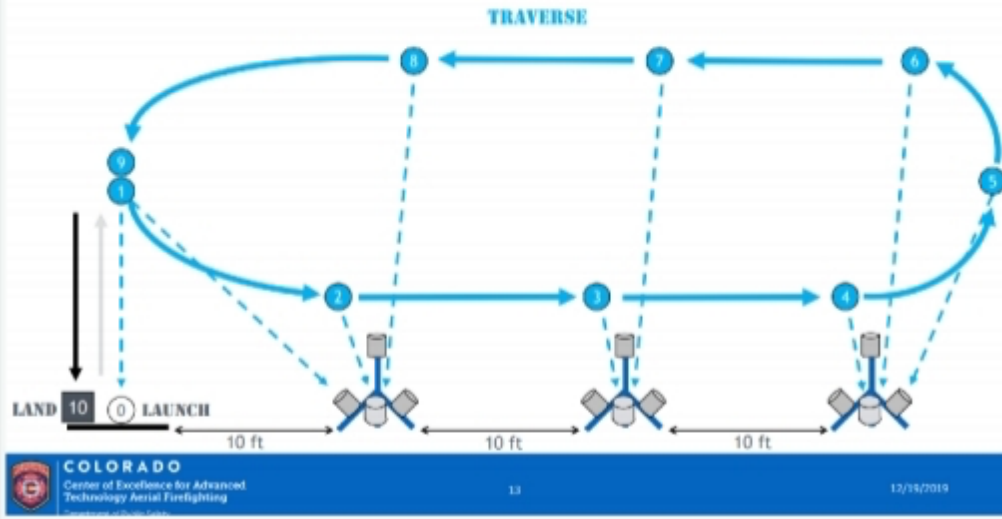


Basic Maneuvering

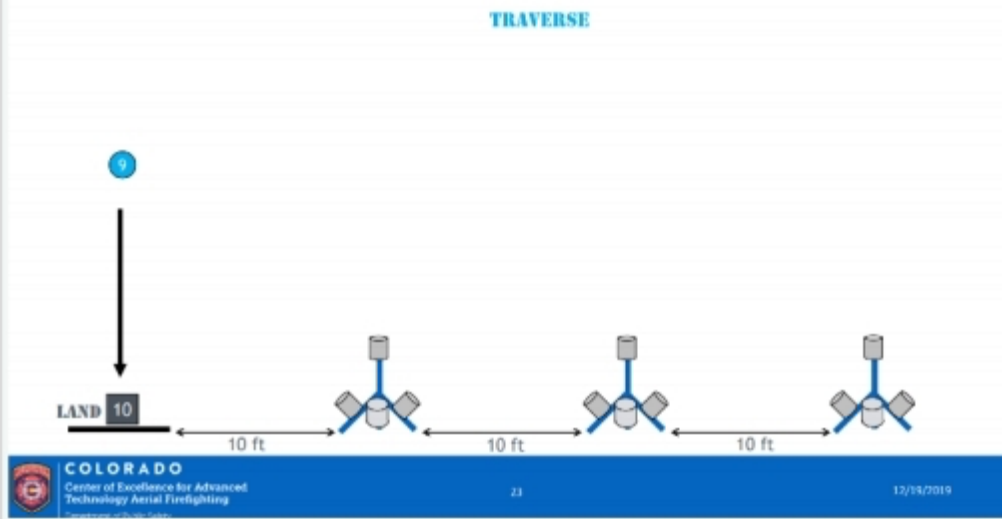




Basic Maneuvering - Traverse



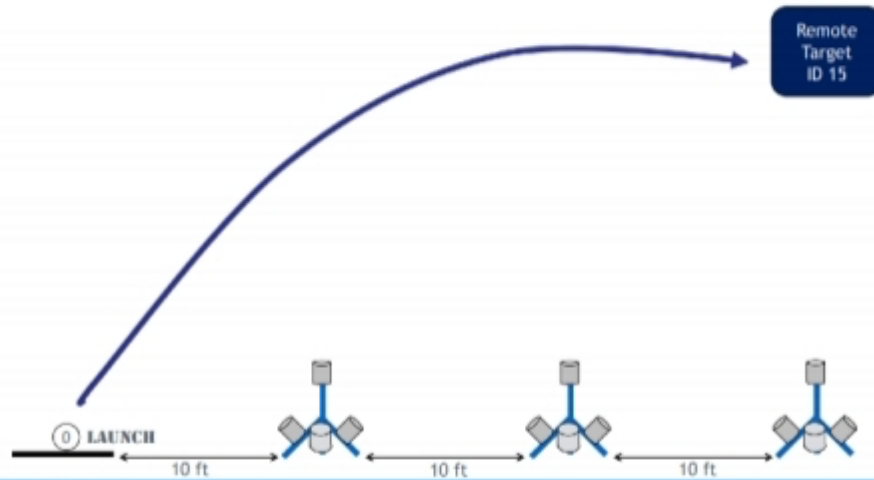
Basic Maneuvering - Traverse





Basic Maneuvering - Remote Identification

FLY TO REMOTE TARGET



Basic Maneuvering - Remote Identification

FLY TO REMOTE TARGET

