Drones on Your Course
Without all the Hype

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TurfNetTV
always one step ahead...
Camera Movements

- Follow - From far away
- Follow - Close
- Hover - High
- Hover - Close
- 360 - Far away
- 360 - Close
- Slide sideways - From right
- Slide sideways - From left
- Slide in - Towards me
- Slide out - From me
- Fly in - Downwards
Overall Status

⚠️ Deserializer disconnected

🔧 Hardware malfunction: Contact DJI Support to arrange for repairs
Justify the Drone
Chemical or Product Trials
Methiozolin 0.6 oz/m
3 gal H2O carrier
2 week interval
Native Grass
Project Planning

- New path
- Channel drainage
- Enhanced staging area
Architectural
Property Line
NTEP Trials
Lake Construction
Construction Progress
Regulations?
sUAS 14 CFR Part 107
Do I need to register my Unmanned Aircraft?

You need to register your aircraft if it weighs between 0.55 lbs. (250 grams) and up to 55 lbs. (25 kg)

You will be subject to civil and criminal penalties if you meet the criteria to register an unmanned aircraft and do not register.
<table>
<thead>
<tr>
<th></th>
<th>Fly for Fun</th>
<th>Fly for Work</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pilot Requirements</strong></td>
<td>No pilot requirements</td>
<td>Must have Remote Pilot Airman Certificate Must be 16 years old Must pass TSA vetting</td>
</tr>
<tr>
<td><strong>Aircraft Requirements</strong></td>
<td>Must be registered if over 0.55 lbs.</td>
<td>Must be less than 55 lbs. Must be registered if over 0.55 lbs. (online) Must undergo pre-flight check to ensure UAS is in condition for safe operation</td>
</tr>
<tr>
<td><strong>Location Requirements</strong></td>
<td>5 miles from airports without prior notification to airport and air traffic control</td>
<td>Class G airspace*</td>
</tr>
<tr>
<td><strong>Operating Rules</strong></td>
<td>Must ALWAYS yield right of way to manned aircraft Must keep the aircraft in sight (visual line-of-sight) UAS must be under 55 lbs. Must follow community-based safety guidelines Must notify airport and air traffic control tower before flying within 5 miles of an airport</td>
<td>Must keep the aircraft in sight (visual line-of-sight)* Must fly under 400 feet* Must fly during the day* Must fly at or below 100 mph* Must yield right of way to manned aircraft* Must NOT fly over people* Must NOT fly from a moving vehicle*</td>
</tr>
<tr>
<td><strong>Example Applications</strong></td>
<td>Educational or recreational flying only</td>
<td>Flying for commercial use (e.g. providing aerial surveying or photography services) Flying incidental to a business (e.g. doing roof inspections or real estate photography)</td>
</tr>
<tr>
<td><strong>Legal or Regulatory Basis</strong></td>
<td>Public Law 112-95, Section 336 – Special Rule for Model Aircraft FAA Interpretation of the Special Rule for Model Aircraft</td>
<td>Title 14 of the Code of Federal Regulation (14 CFR) Part 107</td>
</tr>
</tbody>
</table>
Pop Quiz!
Which preflight action is specifically required of the pilot prior to each flight?

- Check the aircraft logbooks for appropriate entries.
- Assess the operating environment including local weather conditions, local airspace and any flight restrictions, the location of persons and property on the surface, and other ground hazards.
- Visually inspect the pilot certificates of all crew members.
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NDVI: Normalized Difference Vegetative Index
Near-Infrared Cameras to Detect Chlorophyll
Relative Turf Health Index

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Take aways...

Register your drone

Get licensed

Be safe