UA What?
UA Why?
Unmanned...

- Aerial Vehicle
- Aerial System
- Aircraft Vehicle
- Aircraft System
- Remote Control Aircraft
- Remotely Piloted Vehicle
- Drone
How Fast Does This Thing Go...

- Or How High?
- Is that an airport?
- What can I see with this thing?
- You mean I need to register this thing?
- And...take a test??
- But last year I didn’t!!?
Part 107 Airspace Requirements

- Class B, C, D & surface Class E require ATC authorization
- Class G and the rest of Class E without ATC authorization
- Phased approach to airspace authorizations
More Rules?

- Michigan Unmanned Aircraft Systems Act
  - Michigan Unmanned Aircraft Systems Task Force
  - No interference with Law Enforcement
  - No interference with critical infrastructure
  - Privacy, Harassment, Sex Offenders
  - No Local Restrictions*
  - UAS Program Office within MDOT Office of Aeronautics
And... A Policy?

- Establish internal procedural and operational requirements to ensure the safety and efficiency of all UAS flight operations conducted by MDOT personnel.
- To ensure that MDOT, its employees, and others* on behalf of MDOT remain compliant with 14 CFR Part 107 and MDOT Certificate of Authorization, and all federal state and local laws.

- MDOT UAS Program Office - Program Manager
- Bureau/Office Director, Region Engineer, or designee – UAS Coordinators
- Remote Pilot in Command, UAS Pilots, UAS Operators, UAS Visual Observer
- Open to all comments : Thanks to Design Survey, SW Region, Research, and others for participating!
UA Why? - Data Driven Inspections

- Current airport inspection process are “good.”
- Tree growth causes a very expensive issue for community airports.
- State law prohibits anyone from allowing trees to grow into airport protected areas.
- But “good” isn’t good enough.
RUNWAY 04 APPROXIMATE 20:1 LINE.
Current FAA Standards*
Better, actionable data
- Fraction of cost
- Reduced need for land acquisition
- Fewer grants needed for non-capital projects
- Safer system

Progress Being Made
Not Just For Aero...
Need Help with UAS?

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