



Unmanned Aerial Systems (UAS) / Drones Program Review

Eddie Dauterive

Chief Operations Officer

District UAS Reliability Program

The purpose of this program is to ensure PEC staff can effectively and efficiently inspect utility facilities to determine design, construction, repair, maintenance, or replacement needs before, during, and after construction of such facilities and troubleshooting during system operation.

Authorized Licensed Remote Pilots will utilize UAS for operations and maintenance of utility facilities for the purpose of maintaining utility system reliability and integrity.



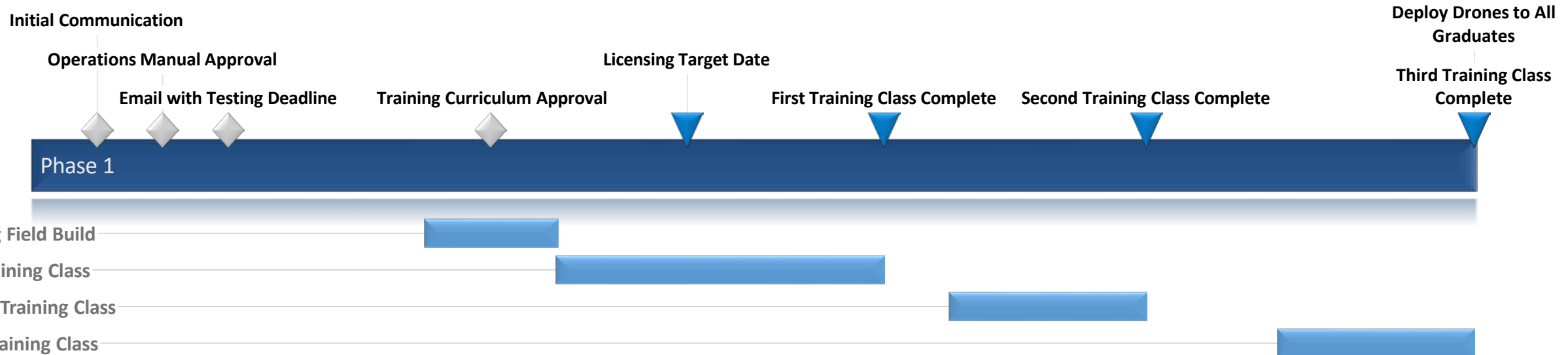
Training Facility



First Class



District UAS Reliability Program Timeline



District Activity

- **District:** Canyon Lake
- **Repair:** Bad order poles
- **Truck Accessibility:** No

Note: Crew went in on foot to make repairs, preventing possible outages and/or fires



District Activity

District: Marble Falls

Repair: Blown load break fuse

Truck Accessibility: Yes

Note: Inspecting capacitor for any visible signs of damage or cause of blown load break fuse before the bucket truck arrived to test the capacitor



District Activity

District: Marble Falls

Repair: Broken Insulator

Truck Accessibility : No

Notes: Found while patrolling line in search of fault, was not the cause of the OCR operation, but repaired while crews on site.



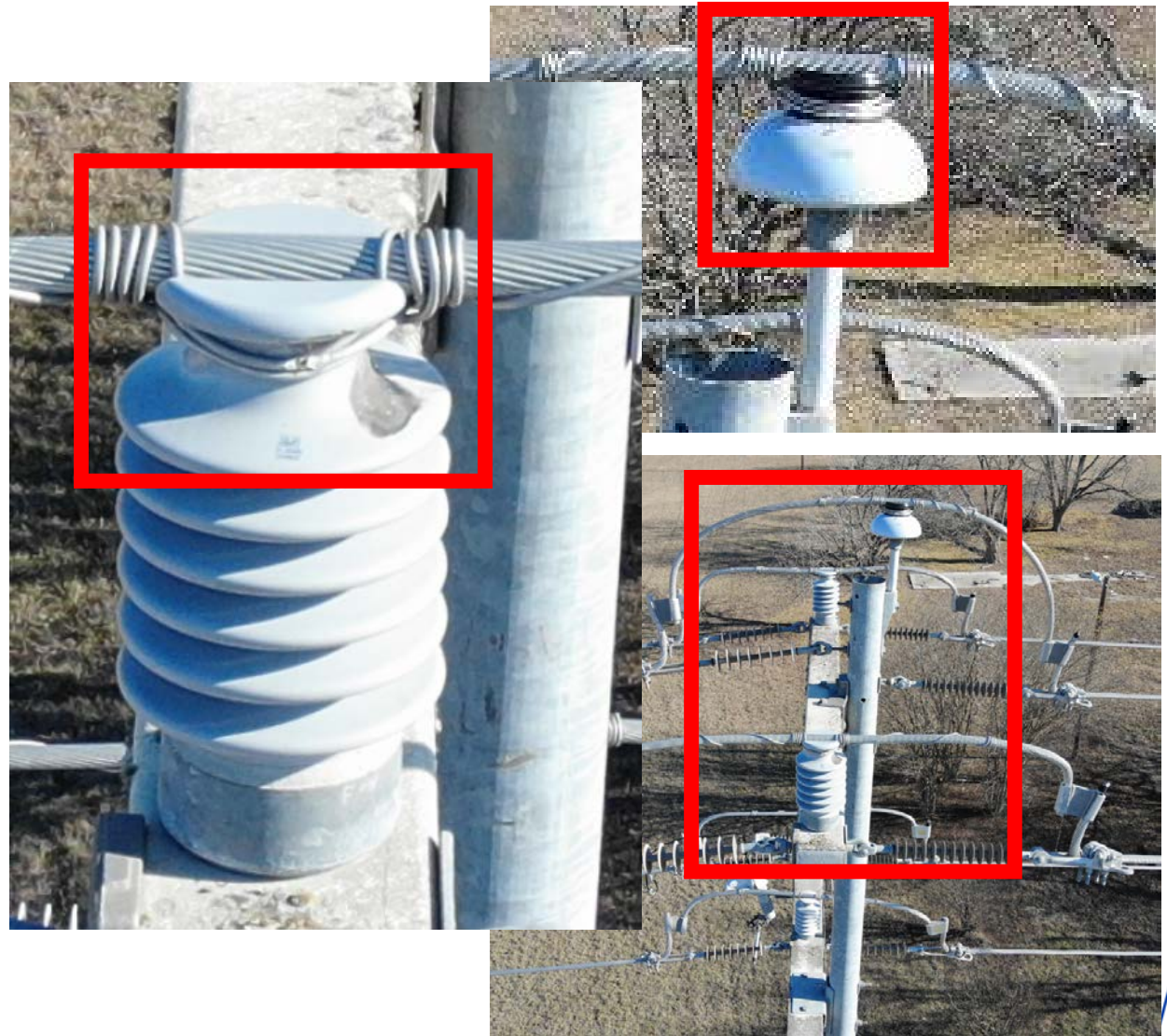
District Activity

District: Kyle

Repair: Bad Order insulator and flashed pineapple insulator, and damaged tie wire

Truck Accessibility : Yes

Notes: Found while troubleshooting worst performing feeders.



Current Status - District Pilots

Kyle

- Joshua Stanford
- Charley Goines

Canyon Lake

- Thomas Logan
- Chris Dodson

Oak Hill

- Heath Hamilton
- Travis Sasko

Junction

- Caleb Daharsh

Marble Falls

- Steven Chambers
- Wes Womack

Bertram

- Doug Thompson
- Mickey Winkler

Cedar Park

- Justin Lundgaard
- Evan Bradfield

Liberty Hill

- Marshall Swoda
- Jimmy Rios
- Chris Ingram

* All Districts have 1 UAS Deployed



Future Status – Immediate

Immediate

- PLI (Power Line Inspector) One-on-one In-district Software Training
 - Software Licenses And Install – In Process January 2021
 - One Full Day Hands On Training At District Office – Date TBD
- Air Data – In Process January 2021
 - Software Licenses And Install
- License and Training Tracking – In Process January 2021
 - Success Factors Integration
 - Automated reminders
- Renewal Insurance For Drones
- Insurance For Pilots

Future Status – Short and Long Term Goals

Short Term

- Pilot Training (2 District Pilots & 1 Vegetation Pilot Outstanding)
- Current Pilot Certification
- Safety Integration Of Tailboard Into SOSPEs
- Procurement Of Additional District Drones

Long Term

- Night Flight Training Course And FAA Part 107.23 Wavier
- Biennial Training For Current Pilots
- Biennial License Renewal

