CIVIL AIR PATROL

sUAS Fleet Readiness:

FSR Visit Drives Operational Gains

Skydio X2D & X10D Maintenance Event | Maxwell AFB



Overview

This week, Civil Air Patrol conducted an FSR maintenance event to restore operational capability across the Skydio X2D and X10D drone fleet.

A total of 33 aircraft systems and controllers were evaluated, resulting in significant improvements to mission readiness and identification of critical sustainment requirements.



Key Outcomes

15 Drone Kits Restored to Fully Operational Status

- Systems inspected, repaired, and validated
- Returned to service and ready for mission deployment.

Controller Defects Identified and Addressed

- 7 X10D controllers identified as **non-functional**
  - 5 confirmed manufacturer defects → → rapid replacement approved by **Skydio**
  - 2 require depot-level repair (~$150 diagnostic cost)

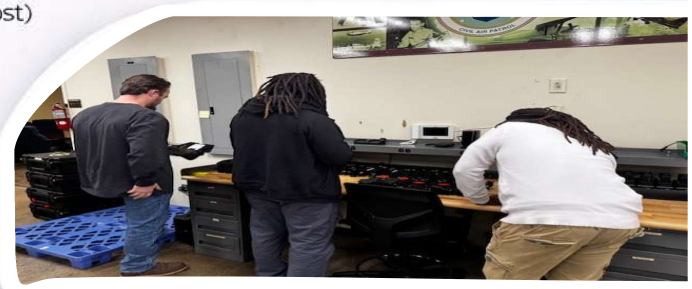
Additional Aircraft Requiring Repair

- 11 X2D drones identified for maintenance
- 3 require controller replacement to become fully operational – Estimated ~$4,500 per controller replacement.

Additional Equipment Shortfalls



Skydio X2D Skydio X10D



Sustainment Outlook

- Continued tracking of controller failures
- Budget planning for replacement components
- Lifecyole management of X2D and X10D systems
- Integration of maintenance-data into *SharePoint*

Team Collaboration & Mission Focus:

CAP personnel collaborating during the event.

- Transfer all maintenance actions into centralized tracking (*SharePont/CEMS*)
- Process manufacturer replacements through ORMS
- Prioritize repair/replacement of remaining degraded systems