

# Secure Field Data Handling - Atmospheric Filtration Drone Swarm

This document outlines procedures for managing drone swarm telemetry, diagnostics, and incident data in the field, ensuring secure transfer, protection of sensitive readings, and DAO audit compliance.

## Storage Protocols (On Device)

- No raw sensor logs stored unencrypted
- All logs tagged with time hash, not user/device ID
- Critical logs flushed to DAO within 30 min or before shutdown

## Transfer to DAO / Archive

- Use encrypted USB token or secure QR-based sync
- DAO smart contract receives hashes + payload metadata
- Optional upload via Starlink or MeshNet backup relay

## Paper Logs & Visual Media

- Tag with mission number and UTC timestamp
- Store in DAO-sealed bag or fireproof doc pouch
- Scan and log to DAO node at HQ post-mission

## Handling After Incident

- Create a temp encrypted ZIP with logs + images
- Label folder: INCIDENT-[DATE]-[DRONE-ID]
- Log transfer on DAO with 2-op signoff (witness verified)
- Archive backup to IPFS or designated off-site vault