



Tulsa Fire Department

How meerir's BVLOS Evidence Package Unlocked § 107.35 One:Many Approval for Tulsa Fire

BVLOS Evidence Package · Public Safety DFR Case Study

May 2026

meerir

THE SITUATION

Tulsa Fire Department received an FAA Certificate of Waiver in early 2026 authorizing BVLOS small UAS operations through January 2030 across Class B, C, D, and E surface areas. The § 107.35 provision authorizing Operation of Multiple Small Unmanned Aircraft (One:Many) was held pending a satisfactory safety case.

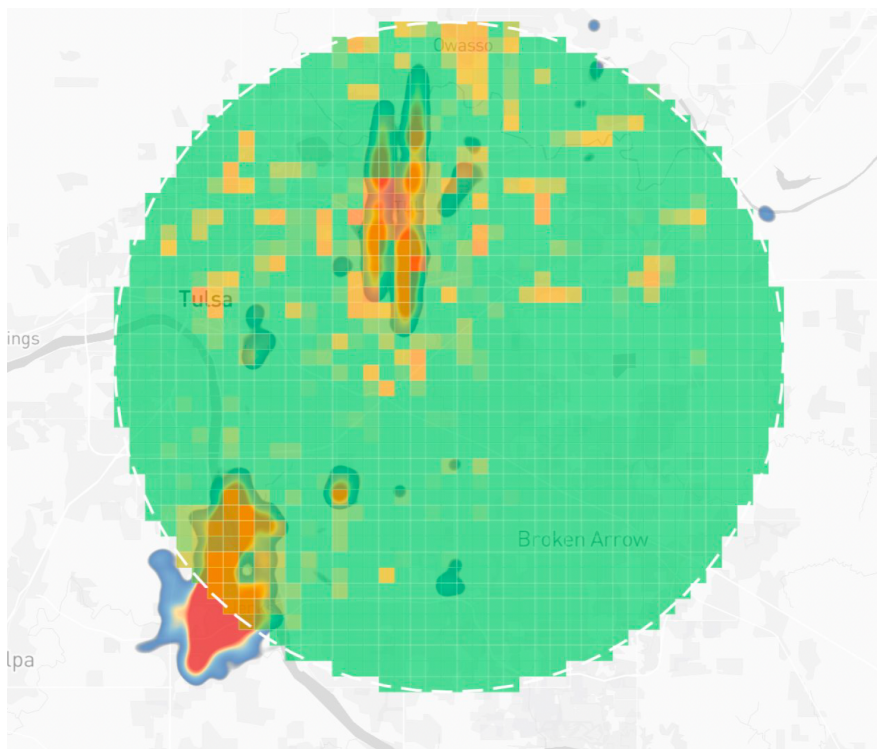
In the weeks that followed, the FAA returned a detailed evaluation request covering operational safety, detect-and-avoid coverage, and active coordination with other low-altitude aviation operating in the same airspace. The request required structured, data-backed responses, not narrative.

THE WORK

SCOPE

A 10-mile DFR operating volume across the TFD service area was decomposed into 1,000 grid cells and scored across eight dimensions:

- Manned traffic (ADS-B)
- Drone traffic (Remote ID)
- Airspace classification
- LAANC ceiling
- Population density
- FAA obstacles
- Power line proximity
- Heliport and runway exclusion zones



EVIDENCE

BVLOS Evidence Package shipped to TFD.

FINDING

The package returned a 20.3 of 100 composite risk score, with 93 percent of the volume rated low risk. Seven hospital and law enforcement heliports required standing coordination. Four airport protection zones were identified. A previously undocumented USAF C-17 operator presence (AIR CHIEF callsigns) was flagged as the highest-priority deconfliction gap.

OUTCOME

§ 107.35 One:Many provision approved.

The BVLOS Evidence Package addressed the FAA's evaluation request with named coordination protocols, an eight-dimension risk profile, and operator-mix analysis backed by sensor data. Delivered in one business day.

ACTION The One:Many provision was approved following review. TFD's lead robotics officer validated the data the same week and immediately expanded use of the platform for ongoing program planning.

DELIVERY SUMMARY

Component	Delivered	Result
Operating Volume	1,000-cell grid at 500m resolution	10-mile DFR coverage area modeled
Risk Profile	Eight-dimension composite scoring	20.3/100 composite · 93% low risk
Airspace Exclusions	Heliport buffers · Runway protection zones	7 heliports · 4 airport zones identified
Operator Coordination	Named manned and unmanned operators	USAF C-17 presence flagged as top gap
Pre-Launch Actions	Three sequenced, named actions	Scoped to TFD operating volume risk profile
Turnaround	1 business day	One:Many provision approved following review

WHY THIS APPROVAL MATTERS

§ 107.35 One:Many is the regulatory hinge for any serious drone-as-first-responder program. Without it, an RPIC controls a single aircraft at a time, capping the throughput of an entire DFR concept of operations.

The FAA's data-and-visuals request is the standard gate: most public safety operators stall here for months or commission consultant-led safety cases costing tens of thousands of dollars per cycle, with timelines governed by consultant availability rather than the FAA's response window.

ACTIVATION CONDITIONS

meerir's BVLOS Evidence Package is a productized deliverable, not a consulting engagement. The dimensional analysis, operator mix, coordination requirements, and visual artifacts FAA reviewers expect ship from one integrated platform in a 1-day standard turnaround, backed by decades of aerospace operations expertise. The same package now supports TFD's continuing FAA dialogue and ongoing DFR program planning.

THE BVLOS EVIDENCE PACKAGE

A standardized meerir deliverable for public safety DFR programs preparing FAA safety case responses. Every package ships with the seven components below, scoped to the customer's specific operating volume.

Standard turnaround: 1 week. No consultant scheduling, no scope-of-work negotiation, no hourly billing.

Operating Volume Definition

Geographic boundary modeled at 500m cell resolution across the proposed DFR operating area, sized to the operator's intended coverage radius and altitude envelope.

Eight-Dimension Risk Profile

Composite risk scoring across manned traffic, drone traffic, airspace classification, LAANC ceiling, population density, FAA obstacles, power line proximity, and heliport and runway exclusion zones.

Risk Distribution Heatmap

Cell-level risk profile rendered as a geographic heatmap with low, moderate, elevated, and high-risk tiers visualized at 500m resolution across the full operating volume.

Airspace Exclusion Mapping

Heliport no-fly buffers and runway protection zones identified by location and coordinates, with each zone tagged by DFR priority level and the coordination channel required for operations.

Operator Coordination Inventory

Named identification of manned and unmanned aviation sharing the airspace, including hospital and law enforcement heliports, airport approach protection zones, and any military or federal operators requiring pre-coordination.

Pre-Launch Actions

Three named, sequenced actions the operator must complete before BVLOS deployment, scoped to the specific risk profile of the operating volume rather than generic safety language.

Shareable Reviewer Link

Interactive analysis accessible by FAA reviewers and partner agencies without platform login, with the same dimensional data and visuals the operator received.

ORDER THE BVLOS EVIDENCE PACKAGE

Every DFR program of consequence eventually arrives at § 107.35. The path through is a defensible safety case: dimensional risk profile, operator coordination plan, airspace exclusion mapping, and the visual artifacts FAA reviewers expect.

The BVLOS Evidence Package is a standardized meerir deliverable for that exact moment, scoped to your operating volume and shipped in 1 business day. Order the BVLOS Evidence Package at meerir.com or contact Emily Bell to confirm volume parameters.

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