



CLINTON, CT
Department of Emergency Management

REQUEST FOR PROPOSAL

Unmanned Aerial System

Appendix A

December 2025

1. Purpose

[Organization Name] is soliciting proposals from qualified vendors to supply, deliver, and support an **Autel Robotics EVO Max 4N** industrial drone platform or an **equivalent** aerial drone platform that meets or exceeds the technical and operational requirements contained in this RFP.

2. Background

The Town of Clinton requires a rugged, multi-sensor unmanned aerial system (UAS) capable of thermal, low light and high-resolution optical imaging, long endurance flight for inspections and public safety missions.

3. Air Frame

Vendors shall provide the following as part of their proposal:

- One (1) new Autel Robotics EVO Max 4N **or equivalent** drone platform.
 - Controller with integrated screen
- One (1) new Autel Robotics EVO Nano+ **or equivalent** drone platform.
 - Controller with integrated screen

4. Add Options Accessories

Vendors shall provide the per unit price for the following accessory types for the EVO Max 4N **or equivalent**. The town may elect to purchase some, or all accessories listed individually.

- Additional battery
- Spare propellers (low noise)
- Multi battery charger
- Air frame mounted spotlight
- Air fame mounted speaker
- Air frame mounted payload holder
- Streaming ability device such as live deck

If a vendor feels there are any other relevant accessories that are pertinent to the intended purpose of this UAS please provide the per unit cost as well as a description of the accessory and its purpose.

5. General Characteristics

The proposed aerial drone platform must meet or exceed the following general characteristics:

- Airframe & Flight Performance
- Rugged, enterprise-grade multi-rotor airframe suitable for public safety and industrial operations.
- Minimum flight endurance of approximately 40 minutes under standard conditions.
- Capable of stable flight in varied environments, including low-light and moderate weather conditions.
- Imaging & Sensor Capabilities
- Integrated multi-sensor payload including:
 - High-resolution electro-optical (RGB) camera with zoom capability.
 - Low-light / starlight-grade night vision sensor capable of effective imaging in extremely low ambient light.
 - Thermal imaging camera suitable for public safety and inspection operations.
 - Optional laser range finding or distance-measurement capability preferred.
- Navigation, Autonomy & Obstacle Detection
- Omnidirectional obstacle detection and avoidance using vision and/or radar-based systems.
- Advanced autonomous flight functions including automated mission planning, object detection/avoidance, and return-to-home.
- Communications & Control
- Secure long-range communication system with a minimum operational range of 10–15 km line-of-sight (or equivalent within regulatory limits).
- Resistant to electromagnetic interference to support operation near infrastructure, power lines, or urban environments.
- Operational Suitability
- Capable of safe and reliable operation in temperatures ranging from approximately 0°F to 120°F.

- Suitable for missions including search and rescue, inspection, night operations, thermal assessments, and general public safety deployment.
- Portable, foldable, and deployable by a single operator.

6. Exceptions or Equivalents

If a vendor wishes to take exception to any of accessories and or general characteristics, please provide a brief statement as to why.

If a vendor is proposing an equivalent UAS please provide all necessary details of the proposed drone for comparison.

7. Packages

If a vendor provides package deals that are equivalent to the accessory requests, please provide cost for package and accessories included for comparison.

8. Insurance or Service Plan

If the vendor offers an insurance and or service plan, please provide the cost and plan details.