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Sole Source Letter for BRINC's Drone Program

BRINC Drones is the sole company that develops the complete hardware, software, and services for the BRINC Drone Program. This program features U.S. manufactured, NDAA-compliant hardware and offers a comprehensive public safety solution. It integrates program-related services, specialized software, both outdoor and indoor drone capabilities, and a drone nest, providing a unique set of features.

Outdoor Capabilities: BRINC Responder Drone

- Integrated loudspeaker (with siren function) and microphone, transforming the drone into a mobile communication hub for negotiations, emergency announcements, and more.
- Equipped with a 3-axis gimbal paired with a high-resolution camera, ensuring stable and clear aerial footage for optimal situational awareness.
- 40x total zoom capability, provides detailed imagery even from a considerable distance, enhancing mission capabilities.
- 640 px thermal camera makes it easy to identify people or see fire through smoke and provides situational awareness even in low or no light conditions.
- With a flight time of 42 minutes, agencies are able to cover larger areas and complete missions more efficiently.
- Integrated emergency lights and siren enhance visibility and make it clear to the public that this is an emergency vehicle deploying to a call for service.
- Emergency responder markings on the drone clearly identify it as a public safety vehicle, and can be customized to include agency badge, patch, or city emblem.
- Forward obstacle avoidance sensors enhance flight safety by detecting and navigating around obstacles in real-time, reducing the risk of collisions.
- Features a versatile attachment rail, accommodating accessories such as a spotlight and payload dropper.
- Included AVSS parachute offering a streamlined FAA approval process for drone operators wishing to conduct operations over people.
- IP X4 weather resistance for greater useability in harsh conditions.
- Designed and manufactured in the USA, meeting the security standards set forth by the National Defense Authorization Act (NDAA).
- Lemur 2 and Responder share a common controller, charger, accessories, mesh radios, and software making it easy to standardize on a single solution.
- Blended cellular connection using both a 4G LTE module and BRINC Connect mesh networking radios for teleoperations or robust local control.

Deploy From Pre-Positioned Sites: BRINC Responder Station
- Enables autonomous drone take-off and landing procedures, streamlining mission deployment and operational efficiency while being ready to deploy at a moment's notice.
- An automatic charging mechanism charges the drone by centering it within the Station, where compatible contacts on the drone's legs establish a connection, ensuring operational readiness.
- Station doors provide a protective shield, safeguarding the drone from environmental factors such as adverse weather conditions, dust, and debris.
- Station is engineered to operate in challenging climates, ensuring reliable performance under adverse weather conditions.
- Rapid opening mechanism under 5 seconds for rapid response.
- Common 120 VAC (Standard US Plug, NEMA 5-15) plug allowing it to be plugged in a standard outlet.
- Critical components are elevated 13 inches above ground level, making it resistant to standing water in extreme weather conditions.
- Designed and manufactured in the USA, meets the security standards set forth by the National Defense Authorization Act (NDAA).
- Integrated, 30fps drone bay camera that streams directly to BRINC LiveOps for tracking drone status.

Indoor Capabilities: Lemur 2 Drone
- Integrated loudspeaker and microphone, transforming the drone into a mobile communication hub for negotiators.
- Glass breaker attachment, for effective entry into structures and ventilation of buildings.
- Payload Dropper Attachment, for delivering or dragging small objects during negotiations.
- Turtle Mode enables the LEMUR 2 to automatically flip back and redeploy in the event of being knocked over on its back.
- 6 hour perch time for extended eyes on critical locations.
- 190 degree gimbal range enabling the ability to look straight up above the drone.
- Integrated blue and white lights built into the gimbal. Lighting modes include persistent or strobe lights depending on the needs of the situation.
- Produce real-time floor plans while the drone is in flight, utilizing LiDAR sensors that stream data directly to the controller.
- Designed and made in the USA, meets the security standards set forth by the National Defense Authorization Act (NDAA).

Throwable Communications Device: BRINC Ball

- Integrated loudspeaker and microphone, transforming the BRINC Ball into a throwable communication hub for negotiators.
- Simple dial-to-connect interface, allowing on and offsite officers to connect to their BRINC Ball over a 4G connection through any available phone.
- Remote text commands, for accessing settings, checking battery life, and audio adjustments during a deployment.
- Durably manufactured, the BRINC Ball is designed to survive 10-foot drops onto concrete..
- Tamper-resistant design, with a custom-designed "key" to access the on/off switch.
- Integrated paracord loop, to allow officers to quickly deploy, and redeploy the BRINC Ball on extended missions.

Integrates with BRINC LiveOps, a cloud-based platform streamlining drone program operations, offering the following combination of features:

- View live streams from all connected BRINC drones, covering both outdoor and indoor drone operations. Including 4K color, zoom and thermal sensors.
- Teleoperation capability enables real-time, remote deployment and control of Responder through LiveOps, enabling operators to scalably deploy Responder to emergencies across their jurisdiction.
- Augmented reality overlay adds an extra layer of intelligence to coordinate response and pinpoint exact locations with the ability to see street names and addresses directly on live video feeds.
- Integrated with Live911, which feeds 911 call locations and allows teleoperators to hear live 911 call audio, further enhancing response capabilities.
- Import call-for-service locations directly from Computer-Aided Dispatch (CAD) systems, which enhances response times.
- Stream LEMUR 2 LiDAR data to LiveOps for stakeholders while the drone autonomously creates and shares 3D maps, saving all information on LiveOps.
- Communicate using the drone's and BRINC Ball's built-in loudspeaker and microphone, seamlessly connected to the LiveOps platform.
- Enhance negotiations with A.I. call transcriptions on LiveOps, ensuring accuracy, real-time insights, and collaborative decision-making.
- Manage fleets and teams, oversee pilots, maintain detailed flight records, and track call history.
- Integrated data and transparency dashboard, allowing the community to check and review drone operations.
- LiveOps is CJIS compliant, meeting FBI standards for managing criminal justice information, ensuring secure data handling.

- Data is securely hosted on AWS servers within the U.S., adhering to domestic data residency requirements.

Comprehensive airspace awareness integrated into BRINC LiveOps:

- ADS-B (Automatic Dependent Surveillance-Broadcast) broadcasts aircraft location, speed, and other data to air traffic control and nearby aircraft. The FAA mandates ADS-B Out for most aircraft in controlled US airspace, making this data essential for drone systems to monitor airspace traffic.
- Ground-based radar provides dual redundancy for enhanced safety alongside ADS-B's comprehensive airspace awareness. It identifies moving objects within 75 to 400 feet, including a 100-foot buffer, ensuring accuracy even for non-ADS-B compliant aircraft.
- Integrated weather data provides real-time and forecasted information, ensuring operators understand environmental factors that could impact drone flights, enhancing safety and efficiency.
- Integration with national airspace alerts ensures adherence to national airspace regulations and temporary flight restrictions (TFRs), allowing safe and compliant flight operations.
- Receive alerts for nearby aircraft, weather, or airspace restrictions, ensuring awareness of changing airspace conditions.
- A fusion of all services gives pilots the information they need to quickly and safely make decisions, as well as be alerted to what they need to observe.

Regulatory, Services, and Support

- BRINC regulatory support will help your agency obtain waivers, certificates of authorization (COAs) and more for operational compliance.
- In-person, virtual training and training the trainer options for personnel across all skill levels. This includes ongoing educational resources as new software releases come out.
- Provides robust operational support, including 24-hour phone support assistance, help with data analysis, and ongoing operational optimization.
- Collaborate with your agency to develop transparent communication strategies and community engagement initiatives.
- BRINC ensures a seamless installation process for its stations, optimizing location and deployment functionalities to enhance the reliability of the system.
- Get the latest BRINC technology plus unlimited replacements & repairs with the BRINC Safeguard program.