



Network Integrity Assurance Technologies Sdn Bhd

Unit 28, 29 & 30, Block C, 1st Floor, Muhibbah Complex II, Jalan Gadong, Bandar Seri Begawan BE 3919, Negara Brunei Darussalam.

Tel: +673-2384660 Fax: +673-2382551 Email: info@niat.com.bn Web: www.niat.com.bn

EXPRESSION OF INTEREST

20th August 2026

Dear Sir/Madam,

Invitation for “Expression of Interest (EOI)” – Provision of Drone

Network Integrity Assurance Technologies Sdn Bhd (NiAT) invites Expressions of Interest (EOI) from qualified suppliers for the supply and delivery of an unmanned aerial vehicle (UAV/drone) and related accessories.

Scope of Supply

The selected vendor shall provide a complete, turn-key operational drone ecosystem consisting of two (2) distinct drone platforms, but not limited to, the following components:

Category	Precision Agriculture	Enterprise Surveillance
System Quantity	One (1) complete Drone System	One (1) complete Drone System
Primary Use Case	Crop health diagnostics, NDVI mapping, and field scanning.	Day/night security patrol, target tracking, and emergency response.
Primary Camera & Payload	Minimum: 20MP RGB main sensor + 4-band multispectral array (Green, Red, Red Edge, Near-Infrared) Desired: Built-in spectral sunlight irradiance sensor for autocalibration of crop health data.	Minimum: Tri-sensor setup featuring 48MP wide lens, high-zoom telephoto, and 640x512 Radiometric Thermal sensor. Desired: Super-resolution thermal output up to 1280x1024 at 30 fps.
Night Operations	Not required	Minimum: Infrared thermal imaging + Near-Infrared (NIR) auxiliary light (100m range)



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Flight Endurance	Minimum: 40 minutes of continuous flight. Desired: Baseline of 43 minutes under calm conditions.	Minimum: 45 minutes of continuous flight. Desired: Baseline of 49 minutes under calm conditions.
Remote Controller	Minimum: Enterprise-grade controller with built-in high-brightness screen (min. 1,000 nits). No smartphone/tablet attachment is required. Desired: Pre-installed offline flight mapping apps.	Minimum: Smart controller with ultra-bright display (min. 1,200 nits). Supports encrypted video downlinks. Desired: Split/Dual-operator control scheme support (independent pilot and camera operations).
Mapping & Tracking	Minimum: 0.7s burst mapping intervals; sunlight irradiance sensor for data calibration.	Minimum: Laser rangefinder (1,800m range); AI-driven smart target tracking (people/vehicles)
Positioning Accuracy	Minimum: Centimeter-level RTK positioning module with microsecond camera-to-GPS sync.	Minimum: High-accuracy GPS/GLONASS tracking. Desired: RTK integration for precise waypoint patrol.
Transmission Range	Minimum: 5km stable HD video stream. Desired: 15km range with signal encryption.	Minimum: 10km stable HD video stream. Desired: 15+ km range with multi-channel backup.
Portability & Design	Minimum: Ultra-lightweight (under 1kg), foldable arms for single-operator field deployment.	Minimum: Foldable enterprise-grade frame; quick-deploy arm locks.
Safety & Failsafe	Minimum: Omnidirectional obstacle avoidance + smart Return-to-Home (RTH) on low battery/lost signal.	Minimum: 360° binocular vision and infrared sensors + advanced RTH with terrain mapping.



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Weather Resistance	Minimum: Wind resistance up to 12m/s Desired: Light rain tolerance (IP43).	Minimum: Wind resistance up to 12 m/s Desired: Heavy rain/dust protection (IP55).
Batteries & Charging	Minimum: Three (3) smart flight batteries + one (1) multi-battery fast-charging hub. Desired: Batteries with built-in power level LED indicators.	Minimum: Three (3) intelligent enterprise flight batteries + one (1) smart battery station/charging hub. Desired: Charging station supporting "Ready-to-Fly" quick-charging modes.
Software & Licenses	Minimum: 12-month license for 2D/3D field mapping and crop health analysis (NDVI generation) software (e.g., DJI Terra, DroneDeploy, or equivalent).	Minimum: 12-month license for cloud-based fleet management, live-stream operations monitoring, and team dispatch software (e.g., FlightHub 2 or equivalent).
Accessories & Case	Minimum: Heavy-duty, ruggedized waterproof hard-shell transport case; minimum two (2) high-speed 128GB V30 microSD cards.	Minimum: Ruggedized, dustproof enterprise transport case with custom laser-cut foam; minimum two (2) 128GB enterprise-grade high-speed storage media cards.
Training & Support	Minimum: Standard user manuals + comprehensive operational and data-analysis training for minimum two (2) internal pilots .	Minimum: Standard technical manuals + specialized flight training covering thermal imagery interpretation and night surveillance for two (2) pilots .
Warranty & Service	Minimum: 12-month comprehensive manufacturer warranty covering hardware defects and firmware support.	Minimum: 12-month comprehensive enterprise warranty covering accidental damage with a guaranteed 48-to-72 hour repair turnaround/replacement loop.
Compliance	Minimum: Full system compliance with local Civil Aviation Authority rules for commercial/agricultural mapping flights.	Minimum: System pre-configured for restricted airspace unlock compliance, night operations, and emergency response waivers.



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Vendor Information Required

Respondents are invited to submit the information listed below as part of their Expression of Interest. The information provided will be used solely for the purpose of evaluating the respondent's capability, experience, and suitability to participate in any subsequent procurement process.

1. Company profile and registration details.
2. Experience in supplying drones/UAVs.
3. Product brochures and technical specifications.
4. Details of warranty and after-sales support.
5. Estimated delivery timeline.
6. References from similar projects (if available).

Submission Requirements

- Cover letter expressing interest.
- Company profile.
- Technical information on proposed drone solutions.
- Indicative pricing (optional).
- Contact details of the authorized representative.

Submission Deadline

Interested parties should submit their EOI no later than **31st August 2026 at 1700hrs**.

Contact Person: Faiq Naqiuddin

Organization: Network Integrity Assurance Technologies Sdn Bhd (NiAT)

Email: Tender@niat.com.bn

Phone: +673 2384660

Disclaimer

The issuance of this EOI shall not be construed as a commitment by the Organization to proceed with any procurement process, negotiate with any respondent, or award any contract arising from this EOI.

Yours Faithfully,

For Network Integrity Assurance Technologies Sdn Bhd (NiAT)

Afiq Asmadi

Supply Chain Executive