



BIOIDGUARD

CAPABILITIES STATEMENT

FEDERAL

Patented biometric tokenless authentication infrastructure for high-assurance government services

Biometric Security Applications, Inc. (BioIDGuard) delivers **conclusive authorization and authentication** — proof at both the sender and receiver end — using only a biometric. No cards, PINs, passwords, or transferable credentials. The platform stores no personally identifiable information and no transaction data, operates out-of-band from legacy financial and data transmission infrastructure, and is built on zero-trust, quantum-resistant architecture. Clients install and maintain nothing.

CORE COMPETENCIES

BIOMETRIC IDENTITY & AUTHENTICATION

Fingerprint-first with multimodal support (palm, vein, retina, face) · tokenless authentication · Secure Identifier Number (SIN) tokenization · conclusive two-way authorization

CYBERSECURITY & ZERO TRUST

Quantum-resistant cryptography · zero-trust architecture · out-of-band secure transmission · end-to-end encryption · military-grade guard over cloud/server environments · CMMC, NIST, and ISO standards path

FRAUD & IDENTITY-THEFT PREVENTION

Benefits program integrity · financial fraud prevention · PII elimination · biometric alternative to number-based identifiers

APPLICATION ENVIRONMENTS

Government payments and benefits · banking · healthcare · education · hospitality

DIFFERENTIATORS

- PII STORED** **Nothing to steal.** The system stores no personal data and no transaction data; an encrypted biometric is bound to a quantum-assigned SIN instead of exposed identifiers.
- U.S. PATENTS** **2+1 Patent-protected architecture.** U.S. 11,847,651 (2023) and U.S. 12,293,367 B2 (2025) issued; a further application, 63/602,950, pending.
- SNAP FRAUD / YR** **\$29B Sized to national problems.** Benefits fraud alone is a \$29B-per-year loss; the platform binds each benefit to its intended recipient rather than a transferable card.
- CLIENT INSTALL** **Out-of-band by design.** The platform is owned and operated end-to-end; agencies adopt it without installing or maintaining back-end systems.

COMPANY SNAPSHOT

UEI: LHWQXMCQGLF1

CAGE: *assignment in progress*

Entity: Delaware corporation

HQ: Greensboro, North Carolina

Size: Small business

SAM.gov: registration in progress

PERTINENT CODES

518210 Computing Infrastructure & Data Processing (*primary*)

541511 Custom Computer Programming

541512 Computer Systems Design

541519 Other Computer Related Services

INTELLECTUAL PROPERTY

U.S. 11,847,651 — Biometric Tokenless Authentication for Services (2023)

U.S. 12,293,367 B2 — Biometric Authentication Using Quantum Cryptography and/or Blockchain (2025)

63/602,950 — a further application within the portfolio, pending

DEMONSTRATED INTEREST

- Briefed Members of Congress (3 sessions)
- White House staff briefing
- White paper delivered to DARPA by request
- Interest cited from NSF, DoD, DOJ, and Commerce

DELIVERY PARTNERS

FBI-certified biometric reader manufacturer · quantum-resistance R&D consultancy · prototype build partner

CONTACT

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