



Objective Readiness Intelligence
Through AI

Capability Statement

October 2026 | SmartTec Inc. d/b/a Okaya
CAGE: 8J9M9 | UEI: JJL6CDZ83QA8 | Small Business, SAM active
SBIR Phase III Direct Award Eligible
SBIR Phase II FA864924P0008 (USAF) | SBIR Phase I FA864921P0971 (USAF)
Readiness trial FA461026P0055 (USSF)

An Air Force-funded readiness line. SBIR Phase II complete (71st SOS, CV-22). SBIR Phase III sole-source award available to any DoD component, no competition.
Authority 15 U.S.C. 638(r). Lineage: SBIR Phase I FA864921P0971 (2021), then Direct-to-Phase II FA864924P0008 (2024 to 2026), AFWERX, AFRL oversight.

COMPANY OVERVIEW

Pre-mission risk management today runs on self-report and crew-rest math. Okaya adds an objective readiness line from a two-minute video check-in on the member's own phone or laptop, for aircrew, maintainers, operators, and students in training. No device to issue, no app to install, no individual exposed.
SmartTec Inc. develops the Okaya platform. Each check-in extracts 67 digital biomarkers across vision, voice, and language and scores readiness, fatigue, and cognition against each member's own baseline. The video never leaves the device. Zero video storage. BYOD compatible.

PRIVACY BY DESIGN

- Individual results stay private to the individual.
- Leadership sees anonymized, aggregated unit-level readiness only.
- The video never leaves the device. No facial identification capability.
- A check-in never goes in a personnel record or a medical record, and is never part of an assignment or clearance decision.
- The flight surgeon keeps go/no-go.

- CORE COMPETENCIES**
- Multimodal digital biomarker extraction:** 67 features derived from facial micro-expressions, voice acoustics, and language patterns.
 - Readiness and fatigue scoring** against a personal baseline through the proprietary Okaya Index.
 - Conversational AI agent (Sanora)** for scalable, remote data collection under IRB/HRPO-approved research.

HOW OKAYA COMPARES

Today	Trade-off	With Okaya
Self-report and crew-rest rules	Subjective; no baseline; no trend	Objective signal against the member's own baseline, two minutes, any shift
Wearables and sleep-model fatigue software	Hardware to issue, charge, and lose; sleep is one input	No hardware; vision, voice, and language in one BYOD check-in; U.S. patent pending (non-provisional and PCT filed)
Flight surgeon, resilience staff, peer support	Reached after the fact, one person at a time	Unit-level trend every day; staff keep the decisions; individuals keep their results

- Since the original Phase I, 100+ DAF stakeholder interviews informing requirements across officer, enlisted, and cadet populations.
- 92%+ word recognition F1 scores across 65 demographic groups (bias-tested).

WAYS TO ENGAGE

- SBIR Phase III:** sole-source order under 15 U.S.C. 638(r) from FA864924P0008, any DoD component.
- SBIR TACFI:** SpaceWERX or AFWERX award with a government match on an O-6 collaboration agreement; GovCloud deployment inside the award.
- Squadron trial:** 90 days on the commercial platform, BYOD; first check-ins within 15 days of order.

- PAST PERFORMANCE**
- USAF SBIR Direct-to-Phase II (FA864924P0008), AFWERX, AFRL oversight:** readiness assessment integrated into 71st SOS CV-22 pre-flight risk management. Nine milestones delivered; contract complete 2026. 73rd SOS applied; AETC 12th FTW authorized under the same protocol; USSF Delta (Vandenberg).
 - USSF Space Launch Delta 30 (FA461026P0055):** three-month squadron readiness trial at Vandenberg SFB, 2026.
 - 71st SOS After Action Report:** SIF-funded pilot confirmed operational viability; led directly to the SBIR Phase II award.
 - Research:** feasibility study with USAF/USSF personnel published in JMIR Formative Research, 2026, IRB/HRPO-approved. Ongoing AFRL randomized trial with Department of the Air Force personnel. Externally funded research with Indiana University.
 - Commercial deployments on the same platform:** fire departments, health-care workforces, individual subscribers.

COMPLIANCE

Unclassified work; no facility clearance held or required.
Research under IRB approval with AFRL HRPO concurrence.
Not a medical device; no FDA clearance required.
AWS; GovCloud deployment scoped; CMMC Level 2 alignment in progress.

- NAICS CODES**
- 541715** (Primary) Research and Development in the Physical, Engineering, and Life Sciences
 - 541511** Custom Computer Programming Services
 - 541330** Engineering Services
 - 541690** Other Scientific and Technical Consulting Services