STRATEGIC ALLIANCE BRIEF · PUBLIC-SAFETY TECHNOLOGY

A Secure, On-Premises Operating Picture for L3Harris VIDA® Networks.

How Skytec extends L3Harris StatusAware™ location services into live mapping, fleet intelligence, alerting, geofencing and historical analysis for P25 environments that require customer-hosted operation.

01 Executive summary

L3Harris VIDA® with StatusAware™ can collect location and presence information from subscriber units and expose that data through an open, standards-based interface designed for third-party CAD and AVL applications. Skytec extends that capability beyond the radio network by turning the location stream into a live operational view that agencies can use, analyze and retain.

The integration follows a clear path: VIDA® / StatusAware™ → SkyCall → SkyTrackers. SkyCall connects to the StatusAware client interface and translates Tier 2 location reports into tracked-unit records. SkyTrackers then normalizes those records alongside other AVL sources and delivers live mapping, alerts, geofencing, reporting and multi-year history.

For organizations that must keep location data inside their own infrastructure, the solution can be deployed fully on-premises and disconnected from the public internet. Application data, database services and cartography remain inside the customer environment, with no dependency on an external map service and no requirement for operational telemetry to leave the perimeter.
The result is not a replacement for the L3Harris radio environment. It is a complementary application layer that preserves the radio domain while giving operators a secure, customer-controlled operating picture built from the location data VIDA already makes available.

2M+	25+	100%	TIA-102
AVL RECORDS PROCESSED DAILY	YEARS BUILDING PUBLIC-SAFETY PLATFORMS	OFFLINE DEPLOYMENT, ZERO EXTERNAL DEPENDENCIES	STANDARDS-BASED TIER 2 LOCATION

> “From radio location data to an operational picture – without expanding the security perimeter.”

02 Location intelligence inside the security perimeter

Mission-critical organizations do not all operate under the same connectivity model. For many agencies, cloud-based services are appropriate and effective. Others work under security, sovereignty or operational constraints that make external connectivity undesirable, restricted or unavailable. In those environments, the location layer must follow the same control model as the communications network itself.

For most agencies, a cloud-delivered mapping layer answers this well. But a significant share of mission-critical radio buyers operate under constraints that rule it out.

- **Data Sovereignty**

Position information associated with public-safety or national-security assets may be required to remain within customer-owned infrastructure.

- **Operational Continuity**

Some deployments cannot assume reliable access to external services. The operating picture must remain available even when the outside network is not.

- **Network Isolation**

Closed or segmented government environments may require sensitive operational traffic to remain inside controlled network boundaries.

- **For these environments, on-premises operation is not a feature preference. It is an architectural requirement.**

03 A Three-Layer Integration

The architecture is deliberately narrow at the boundary and deep behind it.

LOCATION PATH › **VIDA® / StatusAware™ → SkyCall → SkyTrackers** › ON-PREM

LAYER	ROLE IN THE INTEGRATION
L3Harris VIDA® with StatusAware™	The radio network and location service. Collects position and presence data from subscriber units and exposes it through the StatusAware client interface.
SkyCall	The radio-domain boundary. Connects to StatusAware, parses standards-based Tier 2 location reports and resolves each fix to a tracked unit.
SkyTrackers	The operating picture. Receives position from SkyCall, normalizes it into the platform's common location record and delivers live mapping, alerting, geofencing, reporting and multi-year history.

04 Offline by design. Standards-based by design.

- **Read-only across the boundary**

The integration consumes location information; it does not write back into the radio domain. Nothing on the Skytec side is designed to alter voice operations, subscriber configuration or network state. Keeping the integration surface narrow helps preserve the integrity of the system the agency can least afford to disturb.

- **One location model across every source**

Whether location originates from a P25 subscriber radio, a vehicle telematics device, or another AVL source, SkyTrackers processes it through the same normalized data model. This creates a consistent operating picture across the platform, allowing mapping, alerts, geofencing, reporting, and historical analysis to work from one unified source of location intelligence.

- **Designed for fully off-line operation**

Skytec's architecture is built to operate entirely within the customer's own infrastructure. Using MongoDB Enterprise Advanced in a self-managed deployment, the platform can support air-gapped environments with no dependency on external cloud services or the public internet. The result is a solution designed for organizations where data sovereignty, network isolation, and operational independence are essential.

- **Complete mapping capability, entirely on-premises**

The mapping environment is deployed with the system itself. Vector basemaps, rendering capabilities, and required map resources are stored locally, eliminating the need to retrieve content from external mapping services during installation or operation. The platform also verifies that the required map coverage is present, helping ensure the operating picture remains available even when no outside connection exists.

05 Proven at production scale

Skytec has built public-safety software platforms in Puerto Rico for more than 25 years. Across its platform family, the company supports 78 municipalities and their agencies, 35 state and municipal agencies, and more than 140 private ambulance companies. That operating history has required systems that remain useful under sustained, mission-critical workloads.

SkyTrackers extends that experience into fleet and location intelligence. The platform serves more than 350 private-sector clients in addition to government and emergency-services users, and processes more than two million AVL records per day in sustained production, with weekday peaks approaching three million records. The disconnected model is also more than a laboratory architecture. Skytec has engineered and delivered a fully off-grid installation outside Puerto Rico at the customer's own facility, where position data does not traverse Skytec infrastructure.

78	350+	2M+	24/7
PUERTO RICO MUNICIPALITIES SUPPORTED	PRIVATE-SECTOR CLIENTS	AVL RECORDS / DAY	CONTINUOUS PRODUCTION LOAD

Why the Skytec + L3Harris alliance matters

The value of the alliance is complementary. L3Harris provides the mission-critical radio network and an open location interface through VIDA® and StatusAware™. Skytec provides the application layer that converts that location stream into a live and historical operating picture through SkyCall and SkyTrackers. Each platform remains focused on the role it performs best.

- **The L3Harris radio environment remains intact.**
- **The operating picture remains customer-hosted and customer-controlled.**
- **Location from radio and non-radio sources can be normalized into one operational view.**
- **The integration is grounded in a published P25 location standard.**
- **The architecture can continue operating without dependence on the public internet.**

06 The takeaway

For agencies that need the benefits of location intelligence without extending their security perimeter, the Skytec and L3Harris integration provides a practical path: standards-based location from VIDA® and StatusAware™, a narrow read-only handoff through SkyCall, and a customer-owned operating picture in SkyTrackers.

Let’s talk about your network.

Extend location intelligence. Keep operational control.

CONTACT SKYTEC ›

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