ANALOG TO VIDA®
Migration Made Easy
THE L3HARRIS ADVANTAGE

L3Harris offers cost-saving solutions for your migration from analog conventional to a new, IP-based system.

ENCOMPASS™ GATEWAY
L3Harris Encompass Gateway is a flexible, affordable solution for organizations migrating to P25 technologies. This virtualized application runs on the VIDA Core, providing an interface to base stations supporting the Digital Fixed Station Interface (DFSI) standard. This allows radios operating in analog or conventional modes to access DFSI-compliant base stations, and interoperate with P25 trunked systems, BeOn® and dispatch resources.

INTEROPERABILITY GATEWAY
Some agencies maintain analog base stations which are not compliant with the P25 DFSI standard. Our Interoperability Gateway interfaces these resources with the all-IP VIDA network. This provides the unique ability to associate them with trunked talkgroups without the need for operator intervention or temporary patches. The Gateway also supports all VIDA vocoders (P25 Phase 1 and 2 as well as ADPCM) to optimize voice quality throughout your system. The VIDA Transcoder application allows all connected devices to receive communications regardless of the vocoder selected for each talkgroup.

ANALOG-TO-VIDA MIGRATION OPTIONS
L3Harris offers migration strategies to meet each customer’s unique requirements.

CONSOLES FIRST
This migration option installs the VIDA network and Symphony™ consoles first. As trunked RF sites are built and terminals are purchased to transition to the new technology, dispatching to your remaining analog resources takes place through the Interoperability Gateway or Encompass Gateway.

In many cases, a console’s first migration can be achieved when Capital Expenditure (CapEx) budget is available. Funding to build or consolidate dispatch centers can be used to install new Symphony consoles and VIDA. As an Operating Expenditure (OpEx) budget becomes available, RF site and terminal equipment can be upgraded to complete the migration. Choosing this option lets your dispatchers benefit from Symphony’s versatility and functionality as the migration progresses.

RADIOS FIRST
Adding L3Harris multimode portable and mobile radios is a great way to proactively prepare for P25 migration. L3Harris offers a variety of portable and mobile radios that operate in both analog and P25 Phase 1 and Phase 2 modes.

Migrating your existing analog system to a L3Harris VIDA system lets you access the radio’s built-in software-defined capabilities. This allows you to gradually migrate existing users to new radios that work on your existing system now—and on VIDA sites as they are added.

BeOn FIRST
A BeOn first migration licenses your PCs, smartphones and tablets to use the industry’s most advanced Push-To-Talk application—and links them to your existing system using the same Interoperability Gateway as other migration solutions. The powerful VIDA Core allows the same infrastructure used for BeOn connectivity to analog resources to be upgraded through licensing to support P25 Trunked or Conventional RF sites, LMR terminals and Symphony consoles.
STEPS TO A SUCCESSFUL MIGRATION
While each migration to an IP-based communications system is different, there are some common steps in the process L3Harris can help you with.

ANALYSIS AND PLANNING
Our team of professionals will work with you to establish your current communication needs, as well as future service and feature requirements.

TECHNICAL DESIGN AND DEVELOPMENT
Working together to leverage your current analog infrastructure, the L3Harris migration team will tailor a communications network that meets your requirements—today and tomorrow.

SEAMLESS IMPLEMENTATION
Migration does not mean disruption. Regardless of your choice, our skilled project managers will minimize the impact of your analog-to-IP transition.

LIFECYCLE MANAGEMENT SUPPORT
Our gradual migration process diminishes the need for a system-wide “cut-over,” reducing interruptions in day-to-day operations. L3Harris offers the Interoperability Gateway, Symphony and multimode terminals for a smooth transition.

CUSTOMIZED PLANS TO MATCH YOUR NEEDS
Advances in technology, regulatory changes and customer-driven initiatives have created a desire to deploy modern, wireless communications networks.

These new technologies create paths for additional capacity, new features and value-added services to enhance radio communications.

We have assembled a team of communications professionals dedicated to migrating analog system customers to modern technologies tailored to the individual needs of each customer.
PROCUREMENT FLEXIBILITY

We’re here to help

The L3Harris Grant and Funding Program Office is available to assist you every step of the way. We’ll work with you to create a funding strategy, identify collaborative partnerships and potential funding sources—such as OpEx, CapEx, bonds, lease and purchase, fees and/or federal grant programs—to help you meet your objectives.

“To address the next generation of digital radio networks, interoperability issues and to better coordinate our use of the limited radio spectrum, we chose L3Harris to help the county migrate to a digital system. This approach will save taxpayers money and ensure a smooth transition for our Public Safety First Responders and other system users.”

— Ben F. Johnson, Sheriff
Volusia County, Florida