



ANALOG TO VIDA[®]
MIGRATION MADE EASY

HARRIS[®] TECHNOLOGY TO CONNECT,
INFORM AND PROTECT[™]

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THE HARRIS ADVANTAGE

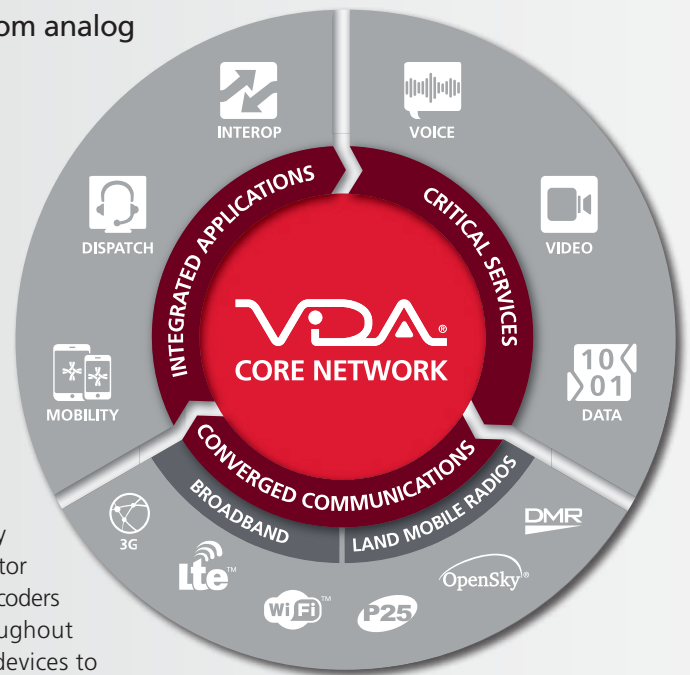
Harris offers cost-saving solutions for your migration from analog conventional to a new, IP-based system.

ENCOMPASS™ GATEWAY

Harris 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 (DFSFI) standard. This allows radios operating in analog or conventional modes to access DFSFI-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 DFSFI 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

Harris 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

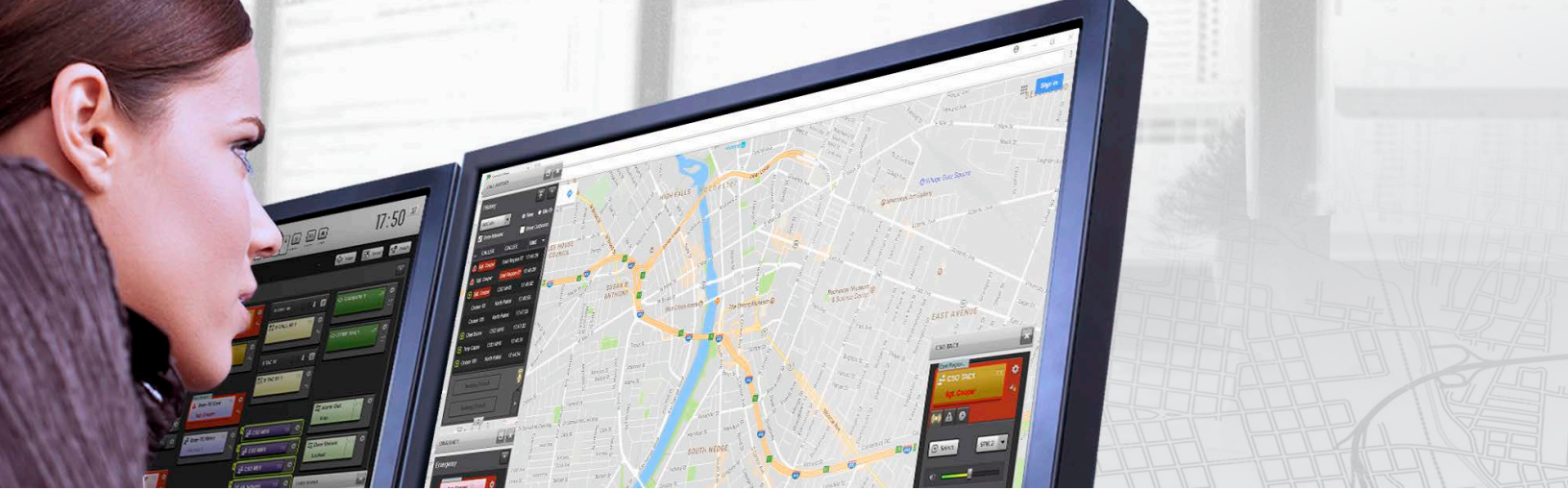
Adding Harris multimode portable and mobile radios is a great way to proactively prepare for P25 migration. Harris offers a variety of portable and mobile radios that operate in both analog and P25 Phase 1 and Phase 2 modes.

Migrating your existing analog system to a Harris 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 Harris 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 Harris 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.

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

LIFECYCLE MANAGEMENT SUPPORT

Harris hardware and software services and maintenance options help establish your system’s service level—and keep it operational for years to come. Once upgraded to an IP-based system, you can optionally purchase Harris Software FX™ and Security Update Management Service maintenance for the peace of mind you and your system’s users deserve.



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 Harris 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 Harris 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*

About Harris Corporation

Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world.

Learn more at [harris.com](https://www.harris.com)

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