# ANALOG-TO-VIDA MIGRATION

## MIGRATION MADE EASY

**HARRIS** ® TECHNOLOGY TO CONNECT, INFORM AND PROTECT™
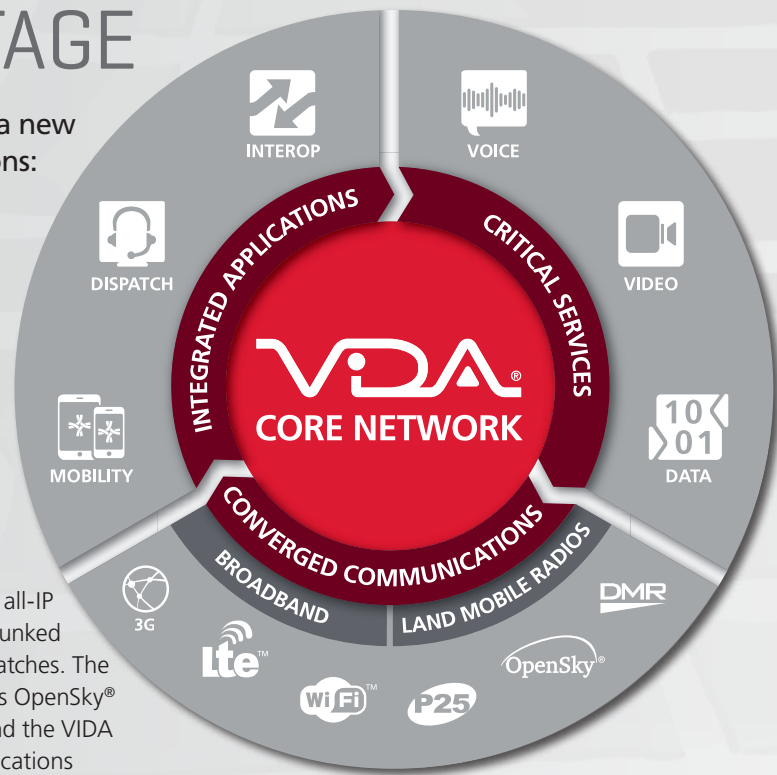
# THE HARRIS ADVANTAGE

When migrating your analog conventional system to a new IP-based system, Harris offers these cost-saving solutions:

## STATE OF THE ART VIRTUALIZATION TECHNOLOGY

The VIDA® Core delivers state of the art virtualization technology for system switching and management applications, in several configurations to optimize your system investment. Your "right-sized" VIDA Core will serve your current needs and, with licensing, easily expand as your system grows. If your system requirements change, additional software applications may be added to the VIDA Core server as virtual machines, providing ISSI connections, Encrypted Data Services, Telephone Interconnect and other optional system services.

## INTEROPERABILITY GATEWAY

The Interoperability Gateway interfaces your analog resources to the all-IP VIDA network, providing 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 OpenSky® and ADPCM) to optimize the voice quality throughout your system, and the VIDA Transcoder application ensures all connected devices receive communications regardless of the vocoder selected for each talkgroup.

# ANALOG-TO-VIDA MIGRATION OPTIONS

Harris offers these migration strategies to meet each customer's unique requirements.

## CONSOLES FIRST

With this migration option, the VIDA Core and Symphony™ consoles are installed first. As trunked RF sites are built and terminals purchased to transition to the new technology, dispatching to your remaining analog resources takes place through the Interoperability Gateway.

In many cases, a consoles-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 the VIDA Core. As 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 console 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 or OpenSky 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 radios' 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 solution 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. Demonstrating the power of the VIDA Core, the same infrastructure used for BeOn connectivity to analog resources can be upgraded through licensing to support P25 or OpenSky 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:

### 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 communication network that meets your requirements—today, and tomorrow.

### SEAMLESS IMPLEMENTATION

Migration does not mean disruption. Regardless of your migration 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 to day-to-day operations. Harris offers the Interoperability Gateway, Symphony Console and multimode terminals for a seamless 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 your IP-based system, you can optionally purchase Harris' Software FX™ and Security Update Management Service (SUMS) 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 like P25 and IP-based networks tailored to the individual needs of each customer.

> 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*



# PROCUREMENT FLEXIBILITY

## WE'RE HERE TO HELP

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.

**About Harris Corporation**

Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company's advanced technology provides information and insight to customers operating in demanding environments–from ocean to orbit and everywhere in between. Harris has approximately $7.5 billion in annualized revenue and supports customers in more than 100 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems and Critical Networks.

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