THE HARRIS ADVANTAGE

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

STATE OF THE ART VIRTUALIZATION TECHNOLOGY

VIDA offers state-of-the-art virtualization technology for system switching and management applications. Several configurations are available to optimize your system investment. Your “right-sized” VIDA solution 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, to provide ISSI connections, Encrypted Data Services, Telephone Interconnect and other optional system services.

INTEROPERABILITY GATEWAY

The Interoperability Gateway interfaces your analog 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.

The VIDA Core is unique—supporting connections to analog, P25 Trunked and P25 Conventional sites simultaneously. P25C sites are interfaced using the virtualized Encompass Gateway application which supports the P25 standard Digital Fixed Station Interface (DFSI).

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.

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 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 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. 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 Trunked or Conventional RF sites, LMR terminals and Symphony consoles.
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

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