![Harris assuredcommunications logo]

VIDA Network Solutions - EDACS

For nearly two decades, one critical communications system has remained at the top for performance, interoperability, cost-effectiveness and longevity. With the integration of IP Networking and a full featured IP interface to Harris Corporation VIDA networks, EDACS proves its versatility and indestructibility once again with access to the latest IP-based features and technologies and the spectral efficiency of TDMA.

More levels of interoperability

EDACS has always led the way in true interoperability with radios and systems from multiple manufacturers. EDACS networks today incorporate virtually seamless and fully automated interfaces with multi-vendor analog, digital, trunked and conventional systems on a multitude of disparate frequencies. EDACS radios communicate with the APCO Project 25 Common Air Interface (CAI) as well as virtually all legacy systems, while the EDACS^{IP} Gateway provides unsurpassed interoperability with other radio system technologies including P25^{IP}, OpenSky, and NetworkFirst.

Additional security

EDACS ProVoice digital supports DES encryption with FIPS-140 certification by the National Institute of Standards and Technology. In addition, the EDACS Security Key software application further strengthens security by working at both the radio and the network levels to prevent unauthorized users from accessing the network or programming/reprogramming EDACS radios.

Even greater reliability

EDACS employs distributed architecture and intelligence for maximum fault-tolerance and network reliability. Since most system features are implemented at each site channel, not at a remote location, trunked communications continue with most features intact, even if networking equipment or links are lost due to natural or other disasters. To further enhance reliability on multisite systems, network switching is accomplished by the Integrated Multisite Controller (IMC), which has proven to be the most resilient and reliable network switch in the land mobile radio industry.

"Choose analog or digital voice; single-site, multisite or simulcast configuration; and frequencies from VHF to 900 MHz."

One of the most trusted names in critical communications

Enhanced access to data

As the first trunked platform to provide integrated voice and data on any channel, EDACS presently hosts tens of thousands of data users who enjoy the robust features that allow them to access data, file reports and monitor/control equipment with an over-the-air data rate of 9.6 kbps. On multisite networks, EDACS supports a data gateway to provide a direct, cost-efficient IP interface to the enterprise LAN or WAN.

More flexibility and choice

Wireless systems must be able to meet a number of challenges that tend to change over time, including:

- Frequency availability
- Coverage requirements
- User density
- Evolving standards
- Newer technologies.

EDACS has proven its ability to adapt incrementally to meet these and other challenges through the use of:

- VHF through 900 MHz frequencies
- Analog or digital voice
- Single-site, multisite or simulcast
- A network switch (the IMC) to easily link multiple systems together
- Connectivity to outside networks without dispatcher intervention
- Software programmable radios
- Direct interface to VIDA Networks.

The Evolution Continues

EDACS has a demonstrated track record of graceful evolution and migration from analog to digital to encrypted voice; from voiceonly to integrated voice and data; and now to full network connectivity. Many of these enhancements can be implemented through cost-effective software upgrades, further increasing the system's return on investment as users gracefully migrate to the IP applications of tomorrow.

For more information on specific VIDA applications, contact your local Harris salesperson, or one of our Channel Partners.