EDACS® MIGRATION GATEWAY

INTERNETWORK COMMUNICATION INTERFACE

RELIABLE INTERNETWORK COMMUNICATIONS

The Enhanced Digital Access Communications System (EDACS) Migration Gateway (EMG) is a trunked network product that uses standard off-the-shelf components combined with EDACS Integrated Multisite and Console Controller (IMC) cards and sophisticated software to allow communications between an EDACS network and an OpenSky®, NetworkFirst®, or P25^{IP} network.

FEATURES

Connects the EDACS network to an OpenSky, NetworkFirst, or P25^{IP} network.

Supports primary dispatch operations between networks.

Allows existing EDACS customers to smoothly migrate to a Voice, Interoperability, Data, and Access (VIDA®) system.

INTEROPERABILITY

The EDACS Migration Gateway enables several internetworking scenarios.

- Permits customers on different systems (P25^{IP}/OpenSky/EDACS) to join their systems for internetwork communications
- Allows an existing EDACS customer to smoothly migrate to a VIDA system and transition dispatch from the C3 Maestro™ to the Symphony™ console.
- Enables a hybrid EDACS/OpenSky/P25^{IP} network where some users take advantage of EDACS features and simulcast coverage while others take advantage of OpenSky TDMA spectral efficiency and data, or P25^{IP} interoperability with neighboring networks.
- Allows a NetworkFirst system to interface with an EDACS network and provide dispatch, logging, and other features to NetworkFirst users.

DISPATCH CAPABILITY

The EDACS Migration Gateway supports dispatch between the networks from either the EDACS C3 Maestro or the VIDA Symphony™ or C3 Maestro$^{IP™}$ Consoles. The primary dispatch features supported are identified on the reverse side of this page. Contact the Product Manager for more information on deployment of this configuration.

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GENERAL SPECIFICATIONS

Hardware Components:

Standard Server:
- Cisco UCS C220 Server
- 1 Rack Unit 19-inch chassis
- Dual E5-2620 processors
- Two 300-GB Hard Drives
- Integrated RAID 12G SAS
- 16 GB RAM
- Gigabit Ethernet cards
- Redundant power supplies

Optional Server:
- Stratus® Technologies ftServer® 2800
- Highly redundant, parallel processing design with seamless failover to redundant processor

Cisco Switch®

Integrated Multisite and Console Controller Cards:
- 1 Controller board per 24 channels
- 1 Gateway voice interface unit card per 4 channels

GENERAL SPECIFICATIONS (CONT'D)

Operational Features:

Up to 24 concurrent calls (in both directions)

Group Calls between OpenSky, NetworkFirst, or P25^{IP} (Phase 1 and Phase 2) and EDACS (in both directions)

Individual Calls

Caller ID

Emergency Calls

Talkgroup patch and Simulselect (SS)

Patch/SS active indicators between consoles
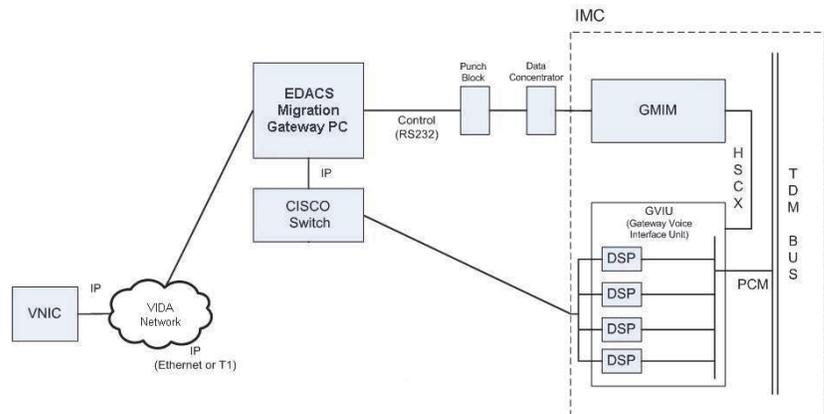
Group Busy indicators between consoles

Console Pre-empt

Request to Talk from EDACS radios to Symphony or C3 Maestro^{IP} Consoles on a P25^{IP} system

On-demand mapping database modification support

Technical specifications are subject to change without notice. Product sales are subject to applicable U.S. export control laws.

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 $8 billion in annual revenue and supports customers in 125 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

EDACS Migration Gateway Network Diagram

Software Requirements

- System Release SR10A
- R9 IMC software throughout the entire IMC

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