ISSI GATEWAY

INTER-SYSTEM COMMUNICATION INTERFACE

DEPENDABLE NETWORK INTEROPERABILITY

The Inter-RF Subsystem Interface (ISSI) Gateway provides network-level interoperability between Project 25 Voice, Interoperability, Data, and Access (VIDA®) systems and other ISSI-compatible systems. The ISSI Gateway not only allows for inter-system communication, but also provides the interface that enables radios to roam between systems.

FEATURES

Harris' ISSI Gateway is a software application that resides on standard off-the-shelf hardware and can be added to any VIDA network though a simple Ethernet connection into the IP-based VIDA infrastructure.

The ISSI Gateway provides TIA-standardized network-level communication between P25 radio systems, regardless of system manufacturer.

The gateway allows authorized radios to roam between P25 systems, and prevents ID overlaps by assigning temporary unit and group IDs to roaming users.

INTER-SYSTEM COMMUNICATION

In most scenarios, systems which need to interoperate are not managed by a common administrator nor installed at the same time. This means there is no coordination of the system databases and likely there are overlaps between User and Group IDs. The ISSI Gateway solves this issue. When a group call is made on System 1 and the ISSI passes it to System 2, System 2 can assign a temporary working group identifier used for all subsequent calls made on that group. If desired, the group calls from System 1 can instead be directly affiliated with an existing group within System 2 such that a dispatcher patch is not required to initiate interoperable communications.

UNIT ROAMING USING ISSI

The ISSI Gateway allows P25 compliant radios to roam between systems, provided they are in the same frequency band and there is some coordination between the system administrators. When a radio from System 1 roams into the coverage area of System 2, the ISSI provides information on the radio's ability to roam and other user attributes such as user call priority, I-Call capability, etc.

CONSOLE SUBSYSTEM INTERFACE

The Console Subsystem Interface (CSSI) allows third-party consoles to provide dispatch services for a P25 system. Harris' ISSI Gateway supports CSSI messaging, providing customers more choices for dispatch solutions.

GENERAL SPECIFICATIONS

Hardware Components (Stand-alone ISSI Gateway):

- Linux® Red Hat® operating system
- 1 Rack Unit 19-inch chassis
- Dual E5-2640 processors
- Two 146-GB hard drives
- 16 GB RAM
- Gigabit Ethernet cards
- Redundant Power Supplies

ISSI Gateway Application:

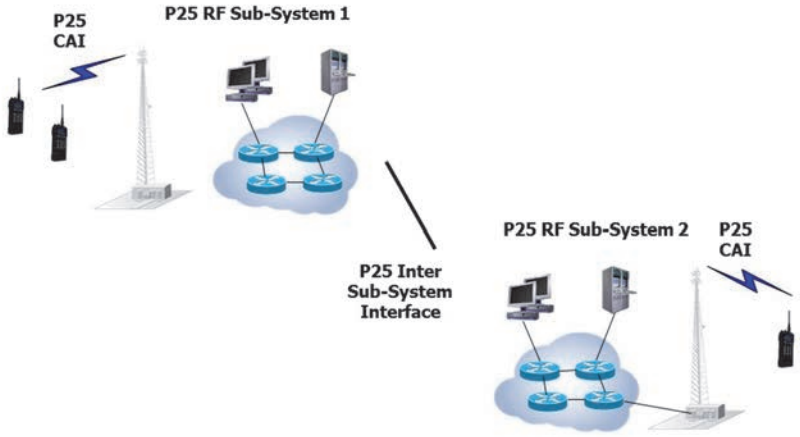
- Runs on a VIDA Application Server virtual machine for VIDA Premier and VIDA Unite configurations

GENERAL SPECIFICATIONS (CONT'D)

Design Features:

- Unconfirmed Group Calls
- Caller IDs across the ISSI Gateway
- Unit Roaming
- Group Affiliation
- Emergency Calls
- Group and Unit registration
- Supports up to 200 concurrent Group Calls
- Call Arbitration
- Fault reporting to the Regional Network Manager
- Dynamic database information from the Unified Administration Server (UAS)
- Provides Call Activity to the Activity Warehouse
- Static Configuration via VIDA Device Manager
- Support for OpenSky® systems using the VIDA Transcoder
- Confirmed Calls
- Support for Pre-empt scenarios
- Support for the CSSI
- Support for P25 Phase 2

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



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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.

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