



Implementing ISSI/CSSI (or planning to)?

We are your subject matter experts on the “P25 Standard” when you configure your ISSI for these three practical applications:

1. **Constant Interoperability without roaming** - Common ISSI Talk Group: Users from separate systems intercommunicate on the same group across the ISSI.
2. **Extending RF Coverage** - User roaming between RFSS's: Users register and affiliate on the foreign RFSS using their home credentials and are allowed to communicate back with SUs and dispatch on their home system.
3. **Roaming with Interoperability** - User roaming between RFSSs AND Usage of a Common ISSI Talk Group at the same time.

Configuration of the ISSI and Subscriber Units is the key to success.

We Provide:

Assistance when connecting disparate systems (i.e., Motorola-to Harris) with ISSI.

Each manufacturer designs their equipment according to their understanding of the ISSI standards. Their processes, nomenclature, programming terminology and operations are probably very different. We provide a “third party perspective” for the up-front planning which is key to a successful ISSI configuration.

We consult with both manufacturers and you to make sure the result is a “standard P25 configuration.”

Preplanning for ISSI/CSSI system configuration.

SU programming and talk-group set up.

ISSI/CSSI Interoperability Field Testing to verify standards compliance.

Current system assessment and mitigation.

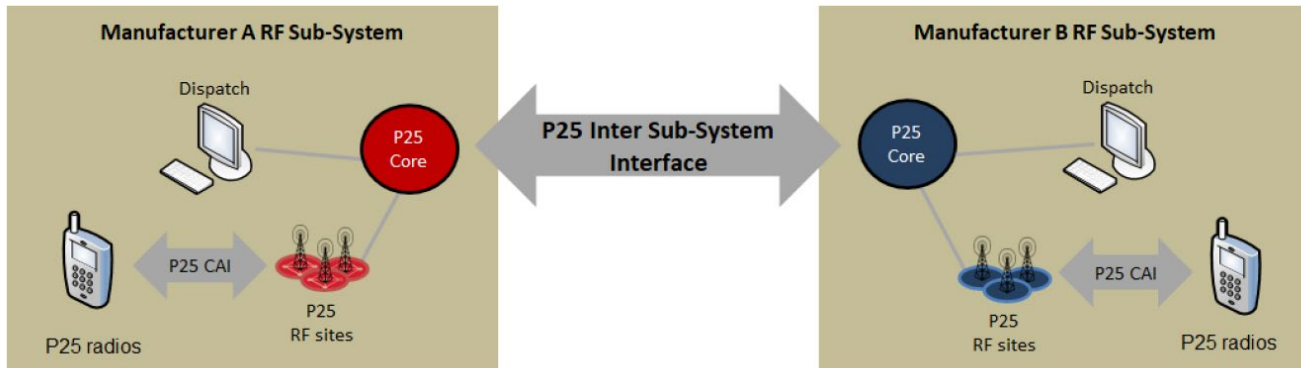
Let's discuss your system and how we might assist.



The Only Independent DHS Recognized P25 Test lab.

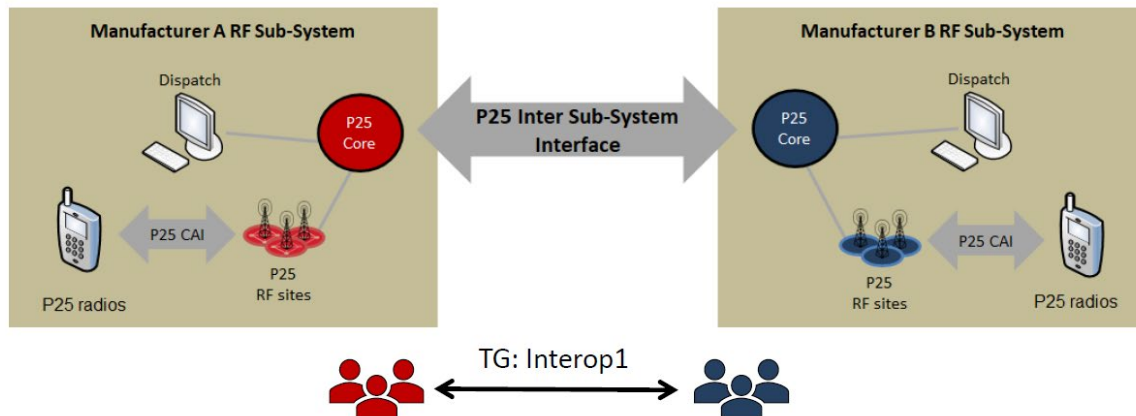
Practical Applications of the P25 Inter RF Subsystem Interface (ISSI)

The ISSI is a P25 Standard interface that can interconnect RF Sub Systems (RFSSs), including those built by different manufacturers and with different software versions, into wide area networks such that users on disparate networks connected via ISSI can communicate with each other. These wide area networks are also known as “system of systems” architectures.



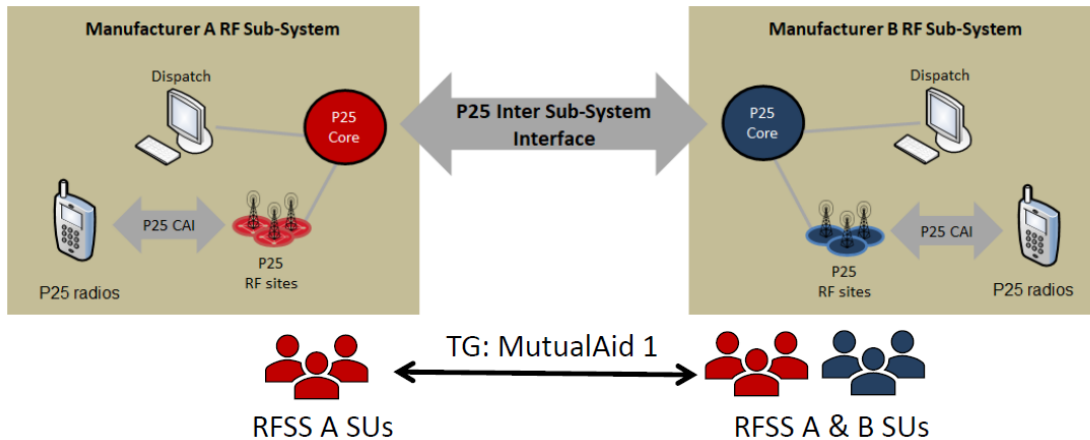
Constant Interoperability without roaming.

- Establish common Interoperability Group between disparate systems.
- Users from separate systems are members of the same group across the ISSI.
- Secure interoperable group communications between users on separate systems



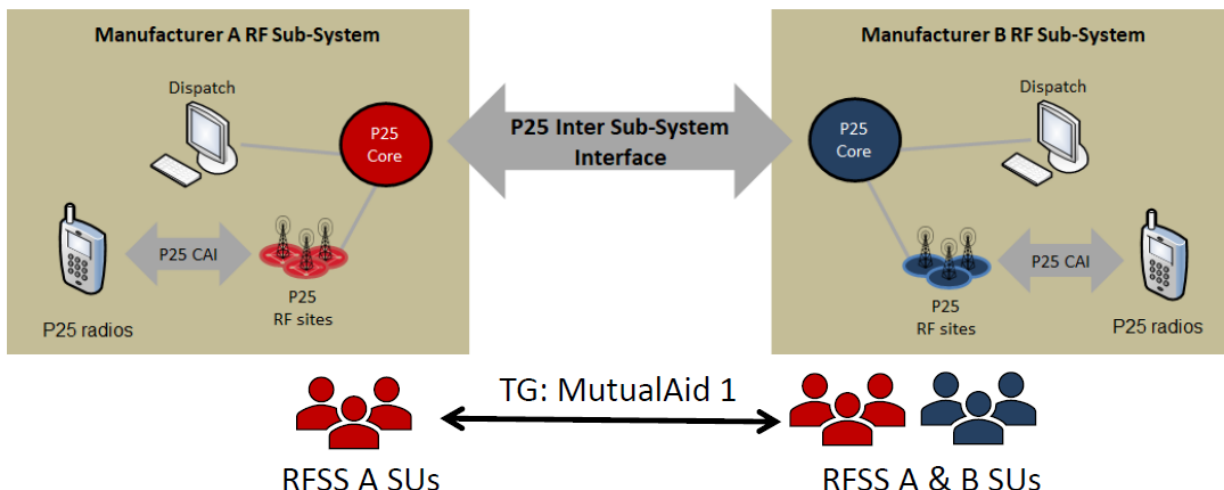
Extending RF Coverage

- During a pursuit, a law enforcement officer may leave the RF coverage of his/her network.
- The mobile radio roams onto the neighboring system allowing the officer to continue communications with their dispatcher and other nearby units.
- Users register and affiliate on the foreign RFSS using their home credentials and are allowed to communicate back with SUs and dispatch on their home system.
- Extension of system coverage beyond the borders of the home system.



Roaming with Interoperability

- Mutual-Aid for incident response. First responders from one state travel to a neighboring state to support the overall response. While on the scene, they communicate with users from their home state as well as with local users.
- User roaming between RFSSs AND Usage of a Common ISSI Talk Group at the same time.
- Flexibility in coverage extension and group interoperability to support diverse situations.



Compliance Testing LLC (“CTL”) Assistance Programs

- CTL can assist when connecting disparate systems (i.e., Motorola-to Harris) with ISSI.
- Each manufacturer designs their equipment according to their understanding of the ISSI standards.
- Their processes, nomenclature, programming terminology and operations are probably very different.
- We can provide a “third party perspective” for the up-front planning which is key to a successful ISSI configuration.
- During the configuration of each parameter, we consult with both manufacturers and you to make sure the result is a “standard P25 configuration.”
- Best practices include:
 - Specifying what capability is required from the beginning.
 - Establishing MOUs between affected parties early.
 - Ensuring there is adequate time for establishing any fiber/network connections required.
 - Understanding Supported P25 Capabilities Across the ISSI
- The supported feature set for the system of systems in an ISSI deployment is the overlap of supported ISSI capabilities of each separate P25 RFSS or manufacturer implementation.
- Commonly deployed ISSI features include unit registration, group affiliation, group call with caller ID, AES 256 encrypted calls, call preemption, and emergencies.
- Some standardized features such as supplementary data or packet data capabilities may not be available in all implementations.
- There are some advanced capabilities that are not yet standardized such as Group Regrouping.