P25 COMPLIANCE ASSESSMENT LABORATORY

COMMITMENT TO TECHNICAL STANDARDS

BENEFITS

Standard with global adoption

Standard driven by and for public safety

Reliable multi-vendor sourcing

Assures equipment complies to the standard

HARRIS HAS RECEIVED RECOGNITION FOR BOTH ITS P25 CAP PERFORMANCE LABORATORY AND ITS P25 CAP INTEROPERABILITY LABORATORY.

As a supporter of Project 25 (P25) standards, Harris has committed significant resources to developing P25 technical standards and P25-compliant systems and products for the critical communications market-place. Product interoperability among multiple suppliers has been an objective of P25 since its inception. On May 6, 2009, the U.S. Department of Homeland Security's (DHS) Office for Interoperability and Compatibility (OIC) announced several laboratories approved as part of the P25 Compliance Assessment Program (P25 CAP). The Harris Communication Systems lab in Lynchburg, Virginia was one of the first to receive P25 CAP approval.

P25 COMPLIANCE ASSESSMENT PROGRAM

The P25 Compliance Assessment Program provides a framework and process for demonstrating the compliance and interoperability of P25 equipment. It was founded on the standards-based laboratory testing of P25 equipment for performance, P25 parametric requirements compliance, and interoperability—demonstrating that each vendors' P25 equipment successfully interoperates with key P25 features of another vendors' equipment.

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As part of its ongoing oversight of P25 CAP, DHS OIC has appointed representatives from federal, state and local public safety agencies; this governing board is responsible for auditing labs, reviewing summary test reports and providing an online report repository.

Within the P25 CAP process, vendors demonstrate subscriber equipment interoperability by passing tests on three different vendors' infrastructures. Conversely, infrastructure equipment interoperability is demonstrated by passing tests using three different vendors' subscriber radios.

COMPLIANCE ASSESSMENT LABORATORY RECOGNITION

P25 CAP's first step involves recognizing performance and interoperability testing labs that have a functional quality management system and technical competence. Performance labs must also have the necessary equipment for measuring measure key P25 performance requirements. Interoperability labs must have the P25 infrastructure necessary to test the subscriber interoperability. Copies of the Harris labs' DHS OIC Scope of Recognition and Certificate of Recognition can be found on the First Responder website (www.firstresponder.gov).

PERFORMANCE AND INTEROPERABILITY TESTING

The program's next step involves testing subscriber radios and base station/ repeaters for performance and interoperability. Harris engages in both types of testing. Initially completed during the fall of 2009, performance testing for our P25 equipment suite—extensive tests for each model type and frequency range—has been maintained as we have added new functionality, band splits in existing products and new products. Interoperability testing for Harris and other P25 vendor products has been conducted in our compliance laboratory and in other compliance laboratories that certify P25 products.

Interoperability testing at the Harris Compliance laboratory focuses on Harris infrastructure testing, utilizing Harris radios and those from other P25 vendors. This testing certifies the Harris infrastructure if three radios are compliant; it also provides one of three required infrastructures radios are tested against to achieve interoperability compliance.

SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC) AND FIRST RESPONDER WEB POSTING

The final step is generating the SDoC. Provided by individual vendors for each piece of P25 equipment, it lists the model, installed options, and the P25 Compliance Assessment Bulletin test conditions with which the equipment complies, as well as summary test reports from the relevant test laboratories. Each SDoC, along with the relevant summary test reports, is submitted to DHS OIC for review and eventual posting on the First Responder web repository.

About Harris Corporation
Harris Corporation is a leading technology innovator, solving our customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports customers in more than 125 countries, has approximately $8 billion in annual revenue and 22,000 employees worldwide. The company is organized into four business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

Portables
- Operates on multiple applications
- Robust mechanical package
- Digital voice and IP data

Mobiles
- Provides multi-mode operation
- Over-the-Air programming
- Flexible mounting options

Base Station
- Modular design
- Proven technology
- Supports multiple band splits

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