

P25 COMPLIANCE ASSESSMENT LABORATORY

The L3Harris Corporation P25 Compliance Assessment Laboratory in Lynchburg, Virginia, is among the nation's first to receive U.S. Department of Homeland Security (DHS) recognition for testing commercial vendor products within the government's Project 25 Compliance Assessment Program (P25 CAP). This recognition reflects the depth of L3Harris expertise and long-standing commitment of significant resources to develop P25-compliant solutions for the critical-communications industry.



P25 CAP, established under the U.S. DHS Office for Interoperability and Compatibility (OIC), provides a framework and process to prove, and then declare, P25 radios and systems as compliant with national standards for performance and interoperability. The program requires each vendor's P25 equipment have demonstrable interoperability with key P25 features of another vendor's equipment.

P25 radios must pass testing on three different P25 vendor infrastructures, and P25 infrastructures must pass testing with three different vendor radios.

The U.S. DHS OIC provides ongoing oversight for P25 CAP, with the assistance of an advisory panel, comprised of representatives from federal, state and local public safety agencies. The panel manages the process of assessing laboratories, reviewing Suppliers Declarations of Compliance (SDoC) and providing an online, central repository for the posting of compliance declarations.



RECOGNIZED P25 COMPLIANCE TESTING

KEY BENEFITS

- > Independent testing to recognized DHS OIC U.S. national standards
- > Provides users with proof and confidence of P25 interoperability between manufacturers
- > L3Harris P25 CAP testing expertise keeps pace with new standards requirements
- > Testing on each P25 model and frequency band splits
- > Assures compliance through public reporting

COMPLIANCE ASSESSMENT LABORATORY RECOGNITION

The L3Harris P25 Compliance Assessment Lab is recognized for both performance and interoperability testing of subscriber and base station equipment under P25 CAP. A copy of our lab's Scope of Recognition can be found on the DHS Science and Technology website's P25 CAP resource page at <https://www.dhs.gov/science-and-technology/p25-cap>.

This recognition is only awarded to performance and/or interoperability testing labs that have been accredited to ISO/IEC 17025, General Requirements for the competence of testing and calibration laboratories. This international standard requires accredited labs to demonstrate technical competence and a robust quality management system. Performance labs must have equipment necessary to meet technical standards for measuring key P25 operational parameters, and interoperability labs must have P25 infrastructure equipment against which to test subscriber equipment.

L3HARRIS ADVANCES IN P25 TESTING

- > 2009: DHS launches P25 CAP
- > July 2009: L3Harris is first lab to be recognized under CAP program
- > December 2009: P5400 800MHz portable radio is the first declared CAP compliant
- > August 2016: DHS releases updated requirements, adding ISO 17025 accreditation and P25 conventional interoperability testing
- > April 2017: L3Harris lab is among the first receiving recognition for meeting the new DHS requirements
- > July 2017: L3Harris MASTR® V Base station is the first product declared compliant to expanded CAP requirements
- > July 2017: DHS updates requirements adding P25 Phase 2 interoperability and performance testing
- > January 2018: L3Harris lab is the first to receive recognition for meeting the new Phase 2 requirements

PROOF OF COMPLIANCE AND WEB POSTING

Once all required testing is successfully completed by DHS recognized P25 CAP labs, an SDoC and supporting Summary Test Report (STR) is submitted to DHS OIC for posting in the Approved Equipment repository on the DHS Science and Technology website's P25 CAP resource page (<https://www.dhs.gov/science-and-technology/p25-cap>). These documents are provided by each vendor for each piece of P25 equipment being declared compliant.

SDOC AND STR VALUES FOR CUSTOMERS CONSIDERING EQUIPMENT PURCHASES

- > Useful data to research product capabilities and features
- > Test results to compare various vendors and models
- > Records of compatibility for various vendor equipment documents are provided by each vendor for each piece of P25 equipment being declared compliant

Certified L3Harris P25 Solutions



Portables

- > Operate on multiple applications
- > Robust mechanical package
- > Digital voice and IP data



Mobiles

- > Multi-mode operation
- > Over-the-Air Programming
- > Flexible mounting options



Base Station

- > Modular design
- > Proven technology
- > Supports multiple band splits

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