



7 Appendices

Updated October 10 2024

7.2 OUC 3rd Party Tester Requirements.

The OUC testing process requires that the building owners/managers contract one of the OUC approved vendors to perform both initial acceptance testing, annual testing, and existing testing for waiver of ERRCS systems.

This Section described the process to follow to be a vendor approved to perform in-building systems testing on behalf of the District of Columbia.

7.2.1 Current Approved Vendors

7 See OUC Approved Vendors List in [OUC Approved Vendors 24](#)

7.2.2 Overview

The needs to support the OUC for their in-building wireless systems tests are two folds:

- **System acceptance testing** occurs when the system is first brought on line or when significant changes in the building that might impact the performance of the in-building system are made. Significant changes include but are not limited to Major renovations. Such changes include (this is a non-exhaustive list): interior re-design (interior walls, ceiling, etc.), deployment of additional radio systems such as commercial Distributed Antennas Systems (DAS) or private communications systems, extension of existing DAS, etc..
- **Annual testing:** The building owner is responsible for maintaining documentation of a completed System acceptance of Annual test Every year, the in-building system needs to be tested to verify it is still providing the required coverage and does not have a negative impact on the donor radio network.

The detailed testing processes are described in documents that can be found here: [#Acceptance Test Procedure](#)



7.2.2.1 *System Acceptance Testing*

The System Acceptance Testing comprises two distinct parts:

- The functional test includes verifying the soundness of the installation, checking the features and configuration of the equipment, and evaluating the impact of the installed equipment on the donor network. Corrections and fine tuning of the BDA might occur during that phase. It typically lasts 6-8 hours depending on corrections that need to be made.
- The coverage test consists in verifying that the coverage objectives meet the first responders' needs. A subset of the measurements is also used to build a reference baseline. The duration of that phase depends on the size of the building.

7.2.2.2 *Annual Testing*

The Annual Testing comprises two distinct parts:

- The functional test verifies the physical installation has not deteriorated and checks the impact of the installed equipment on the donor network.
- The coverage test consists in verifying that all frequencies are passing through the BDA and all fiber DAS remote units (if applicable). It then measures and compares signal levels under the antennas to the baseline measurements. Any repairs or discrepancies shall be addressed by the building owner.

The detailed testing processes are described in documents that can be found here: [Acceptance Test Procedure](#)

In all cases, all expenses for performing the testing are borne by the Building Owner and or its representatives.

7.2.3 *Eligibility*

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The companies willing to perform in-building wireless systems testing on behalf of the OUC shall meet the following criteria:

- **For applicants applying before 12/31/25**
 - ERRCS experience: The Vendor shall have at least one NICET Level 3 certified IB-PSC Technician **or** at least one NICET dual certified IB-PSC Design **and** IB-PSC Technician Level 2 Technician to Oversee the Vendor's testing program. All tests shall be completed and signed off by a NICET Level 2 IB-PSC Technician.



- **For applicants applying after 1/1/26**

- ERRCS experience: The Vendor shall have at least one NICET Level 3 certified IB-PSC Technician to Oversee the Vendors testing program. All tests shall be completed and signed off by a NICET Level 2 IB-PSC Technician.
- Vendor shall notify OUC through the DAS inbox of new key personal before they participate in any test as Technician or Program manager.
- Vendor shall notify OUC within 30 days of any personal that lose NICET certification.
- Independence: The selected company shall not perform the Acceptance Testing on systems for which they had any direct or indirect involvement in the design, installation or repair in the current design cycle. If the company completes work within the cycle, other OUC approved vendor shall be contracted to perform the needed Acceptance Testing. The selected Vendor shall be allowed to perform Annual Testing (assuming the Acceptance Testing passed), on systems for which they had direct or indirect involvement in the design or installation. System changes due to renovation, or capacity expansion(ex. Additional floors of coverage) shall count as a design cycle and trigger the need for independent testing)
- LMR & Test Equipment: The vendor must maintain 2 Motorola P25 Phase 2 Radios compatible with current OUC system requirements.
- Vendor shall maintain access to use the OUC testing management & monitoring platforms.
- Vendor shall be responsible for maintaining all utilized test equipment (including radios) within Manufacturer recommended calibration interval.
- Vendor shall be available for Annual Equipment, process and personnel audits.
- OUC will grandfather existing testing personnel on a case by case basis.

7.2.4 Approval Process

The companies willing to perform in-building wireless systems testing on behalf of the OUC shall email the following documentation to das.ouc@dc.gov:

- An introductory letter with an explanation of how vendor will meet the eligibility requirements.
- Signed affidavit stating the company shall meet the independence requirement.
 - The design or installation of a public safety system for which the company is performing the acceptance testing
 - The annual testing for any system they have performed redesign of since the last approved test.
- Documentation of Key personnel and certifications.
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- The OUC will review the application and make the final decision on acceptance.