**Limited Submissions**

**Sponsor:** Department of Commerce (DOC)

**Program:** NIST Public Safety Innovation Accelerator Program– Mission Critical Voice Quality of Experience

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**Estimated Award Amount:** $3,000,000

**JHU Nomination Limit:** 1

For More Detailed Information Click [Here](#)

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### Opportunity Summary:

The NIST Public Safety Innovation Accelerator Program (PSIAP) is seeking applications from eligible applicants for activities to measure the impact of impairments to mission critical voice (MCV) systems and quantify the quality of experience (QoE) for first responders.

Specifically, PSIAP-Mission Critical Voice Quality of Experience (MCVQoE) is seeking applications that address all five of the following goals:

1. Simulated Land Mobile Radio (LMR) Equipment Development
2. Development of Test Facilities, Test Scenarios, and Test Protocols for MCV QoE Tests
3. Development of Public Safety Testing Cadre
4. Test and Measurement of Public Safety Users’ Performance, an
5. Analysis and Modeling of Public Safety User QoE

The intent of this NOFO is to generate publicly released data sets and a QoE model that correlates impairments in the communications systems that first responders currently use across the United States to real task performance. Award recipients will help achieve this by creating test devices and infrastructure to simulate these impairments, develop a test capability/methodology for human testing, and apply these tests to a diverse pool of first responders representing multiple disciplines, regions, and demographics while performing critical tasks in realistic operating conditions.

### Eligibility & Requirements:

- Applicants must address all the goals (see Section D. of NOFO) within a single application.
- Applicants are required to develop partnerships with eligible public safety organizations (PSOs).
- Applicants must propose projects that include active and sustained engagement with first responders and PSOs.
- Recipients will be required to attend the PSCR Public Safety Broadband Stakeholder Meetings each June during the term of the award. This event should be reflected in the project schedule and budget.

### Internal Nomination Process:

Interested applicants should submit the following documents:

1. [JHU Limited Submission Cover Sheet](#)
2. Proposal (maximum of two pages of text only, single spaced: 12-pt font and one-inch margins)
   (Note: figures, tables, and other reference material may be included in addition to the 2 pg. text limit)
3. Curriculum Vitae of investigator, including current external research support and publications
4. Budget (two pages maximum)

Questions? Comments? Email the Research Development Team at resapp@jhu.edu.