ABOUT PSCR

5 KEY RESEARCH AREAS **RESEARCH FACILITIES**

RESEARCH PARTNERS

INTRAMURAL IMPACTS

EXTRAMURAL IMPACTS

The Public Safety Communications
Research (PSCR) Division is the primary
federal laboratory conducting research,
development, testing, and evaluation
for public safety communications
technologies. It is housed within the
Communications Technology Laboratory
(CTL) at the National Institute of
Standards and Technology (NIST). It
addresses the R&D necessary for critical
features identified by public safety
entities beyond the current generation of
broadband technology.

MISSION

PSCR is driven towards advancing public safety communications technologies by accelerating the adoption and implementation of the most critical communications capabilities to ensure the public safety community can more effectively carry out their mission to protect lives and property during day-to-day operations, large scale events, and emergencies.



PROMISE

PSCR accelerates innovation by investing in research to transform the future of public safety communications, technology, and operations.



ABOUT 5 KEY RESEARCH RESEARCH INTRAMURAL EXTRAMURAL PSCR FACILITIES PARTNERS IMPACTS RESEARCH AREAS LOCATION-BASED **USER INTERFACE SERVICES USER EXPERIENCE**









IMPACTS

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RESEARCH FACILITIES

Public Safety Innovation Lab



Network

40–Gigabit
Core LTE



P25 Phase 1 & 2 LMR System



2 RF Chambers for Testing Devices



Interoperability Lab
Interconnecting LMR
and LTE Systems



Virtual and Augmented Reality Lab



Mobile Reseach
Vehicle for Field
Measurements

Public Safety Immersive Test Center



A Modular Layout



A Motion Capture System with 62 High Speed Optical Tracking Cameras Capable of Centimeter Accuracy



A Variety of Augmented & Virtual Reality Headsets



A Mobile Staircase & Other Equipment for Z-Axis Motion



Physical Furniture and
Gear to Add a Tactile
Component to Simulations



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EXTRAMURAL IMPACTS









Winning **Teams**

In Prizes Awarded To Date

603 Prizes Awarded





