# CBRS Update

September 2025

# CBRS Success Story - By the Numbers

CBRS has evolved from experiment to mainstream success

**20%**
of all US wireless site deployments are CBRS-based

**1369**
FCC-Approved devices

**90+**
OnGo Alliance Members across the ecosystem

**421,000**
Active Radios
43% CAGR 2021-2024

**$14B+**
Industry Investment To Date

**#4**
Largest US Network

CBRS 2.0 launched in 2024, providing 72M more Americans with unencumbered access (total: 240M Americans)

# Sharing is Democratization of Spectrum

Benefits of shared spectrum

## 10x More Entities

Can participate for priority licenses compared to exclusive auctions

## 3-5x More Licenses

Supporting diverse use cases and applications

## Additional GAA Users

Additional users get unlicensed access to spectrum

## US Innovation

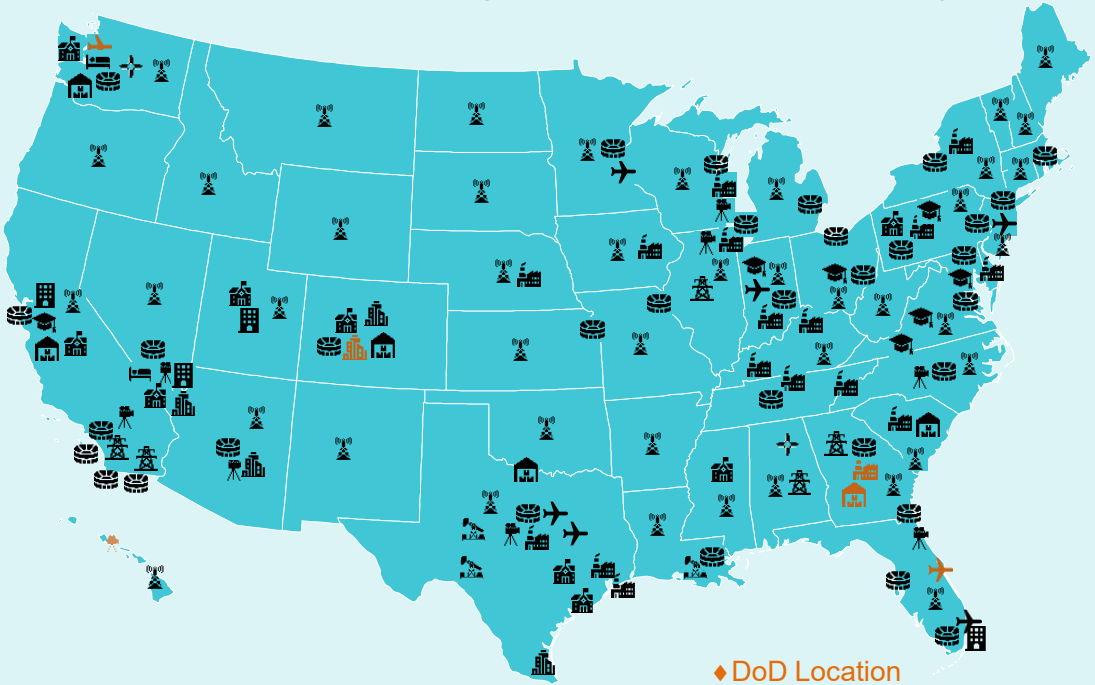
Many more US entities able to participate in innovation

Shared spectrum = democratized access to spectrum resources

# Examples of Vertical Solutions with Shared Spectrum

- Airport, Transit Hub
- Higher Education
- Manufacturing, Industrial
- Rural Broadband ISP
- Smart City, Smart Base
- Tribal Nation
- Warehousing, Logistics, Port
- Broadcasting, Nomadic Site
- Primary Education, Digital Divide
- In Building, Neutral Host
- Hospitality
- Gas, Oil, Mining
- Utilities
- Sports, Entertainment Venues

***Partial list of current CBRS deployments, press releases and case studies available for those shown. Image is not inclusive of all US deployments***



# Enterprises

Partial list only

## Airports

Minneapolis-Saint Paul International Airport (MSP)

Newark Liberty International Airport

Purdue University Airport

Dallas Fort Worth International Airport (DFW)

## Higher Education

University of Virginia

The Ohio State University

University of Wisconsin-Milwaukee | CSI Connected Systems Institute

Howard University

Arizona State University

Virginia Tech Transportation Institute

The University of Arizona Yuma Center of Excellence for Desert Agriculture

## Public Safety

MicroSeismic

wytec

Operation Connect North Carolina

## Manufacturing

Foxconn Industrial Internet

Toyota Material Handling

Chevron Phillips Chemical

John Deere

## Venues

NFL

Cowtown Coliseum Fort Worth Stockyards

Dignity Health Sports Park

lower.com Field

FirstEnergy Stadium

## Military

Fort Carson Colorado

Marine Corps Logistics Base Albany Georgia

## K-12

Parkside Panthers

Jackson Public Schools

Tukwila School District

Nacogdoches Independent School District

## Utilities

Illinois Electric Cooperative

SDGE

Southern California Edison Energy for What's Ahead

## WISPs

Velocity

local2u

NextLink Internet Made Easy

## Hotels

Nobu Hotel Caesars Palace

Faena Hotel Miami Beach

Gale South Beach

The Sound Hotel

## Smart Cities

Welcome to Fabulous Las Vegas Nevada

Glendale Arizona

Longmont

## Ports

Husky Terminal

Port of Oakland

## Broadcasting

RNC 2024 Milwaukee

DNC 2024

Trilogy

The Players

American Rally Association

TBN

## Tribal

Poarch Creek Indians

Yakama Nation Networks

# Win-Win for All Stakeholders

## Government Benefits

- **Defense:** No relocation costs, maintained spectrum access for national security
- **NTIA:** Federal users protected, no forced changes, rapid deployment enabled
- **FCC:** Auction revenue from PAL licenses, equal access for underserved areas
- **Commerce:** Accelerated US telecom innovation, consumer benefits, industry investment

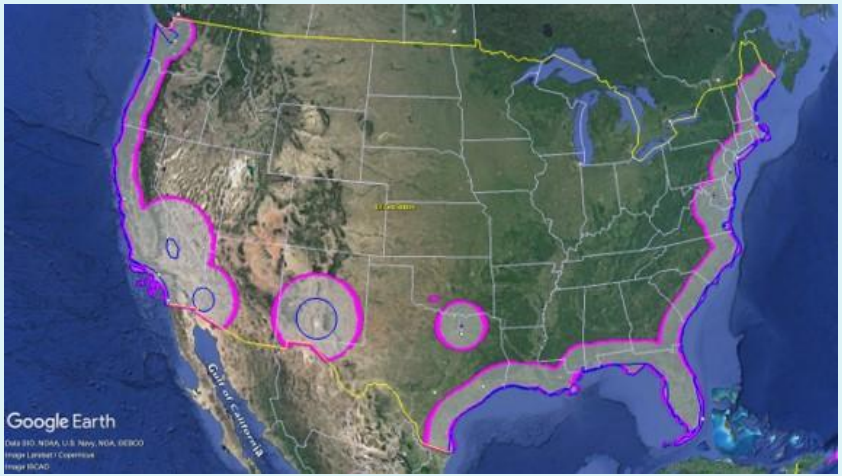
## Commercial Benefits

- **Rural/Digital Divide:** Affordable spectrum for underserved communities
- **MNO**: Additional capacity for 5G densification
- **MVNO/MSO:** More consumer choice, 5G/Open RAN acceleration
- **Enterprise**: US innovation leadership, Industry 4.0 efficiencies
- **Urban/In-Building**: 80% of mobile use indoors, shared infrastructure, lower costs

# CBRS 2.0 Success & Future-Proofing

## CBRS 2.0 Achievements (July 2024)

- **60-80% improvement** in spectrum availability & stability
- **72M more Americans** in unencumbered coverage areas (total: 240M)
- **25-42% reduction** in impacted radios across all regions
- **No interference complaints** from federal incumbents
- **Seamless implementation** - no hardware/software changes required




Most CBRS devices are assured of never being preempted, with 97% of the continental US out of protection zones!

# Securing US Leadership in Spectrum Sharing

## CBRS: A Strategic US Asset

- **Most advanced spectrum sharing regime globally -** combining security, efficiency, and commercial growth
- **Critical for 6G leadership** - AI-RAN, Integrated Sensing and Communications (ISAC)
- **Open RAN acceleration** - US firms deploying and testing solutions at scale
- **Competition advantage** - transparency and openness vs. China's centralized control

## Costs of Relocation is Massive

**$12.3B+ hard costs** (PAL compensation + equipment replacement)

**Billions more** for Navy radar replacement and downtime

**Loss of US innovation leadership** in spectrum sharing

**Disruption of 420K+ deployed radios** and millions of devices

# Securing US Leadership in Spectrum Sharing

**CBRS is a successful mainstream US wireless ecosystem driving innovation, economic growth, and global technology leadership.**

## Next Steps for Continued Leadership

1. **Expand Shared Spectrum success** into other bands for immediate economic and defense benefits
2. **Develop next-generation spectrum management** with AI learning models
3. **Advance 6G vision** with intelligent sensing and autonomous infrastructure
4. **Maintain US innovation ecosystem** in private wireless and spectrum sharing
5. **Add CBRS to new verticals** with new use cases, expanding the “Innovation Band”

# Thank You

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