Spectrum Access System

Tap into valuable new capacity with the 3.5 GHz CBRS band

COMMSCOPE®

CommScope's SAS unlocks valuable CBRS spectrum

CommScope's Spectrum Access System (SAS) and Environmental Sensing Capability (ESC) are designed with the goal of enabling 3.5 GHz Citizens Broadband Radio Service (CBRS) network operators of all sizes nationwide. While employing the best and latest technologies, tools and techniques available today, CommScope has leveraged decades of experience in design and operation of mission critical products and services to develop its SAS and ESC systems.

40+ years

experience in spectrum management, design and operation

Key Features of the CommScope SAS

Intelligent Spectrum Recommendations – SAS will provide channel and power recommendations when requested parameters are not possible.

Scalable – Deployed on the cloud and designed to grow with your CBSD network.

High Availability – Built for 99.999% system availability, achieved through various hardware and application technologies.

Operational Tools – The SAS includes useful tools for planning and operational purposes.

Reports and Analytics – CBSD data analytics, spectrum analysis, and integration planning tools; performance and health reports.
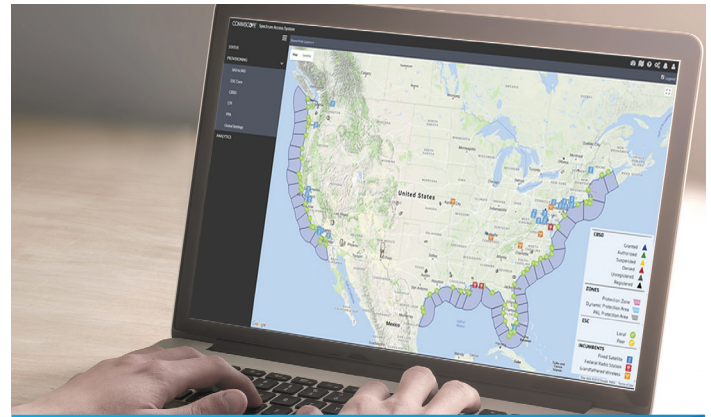
Coexistence Integration – Supports sophisticated algorithms to optimize GAA CBSD assignments.

Environmental Sensing Capability (ESC)

Highly Reliable ESC Core – Deployed on the cloud for maximum reliability and uptime.

Capacity to Monitor Future Radar – ESC sensors support remote firmware upgrades for future radar support.

Designed for Reduced ESC Sensor Protection Areas – Use of antennas with high front-to-back ratios and selective site locations.

Engineering Services

The CBRS band has many protection rules across spectral, spatial and temporal dimensions. Analyzing the impact of the rules is important to identify the available spectrum and operational parameters before deployment.

CommScope can help in deployment planning to get full advantage of entitled spectrum and optimal operation.
- Spectrum Availability—today and future
- Channel Recommendations

Project Management

- Highly Experienced Program and Project Managers with extensive experience in complex system deployments and specialized service delivery.
- Account Manager will be assigned to work with each customer.
- Produced using a registered TL-9000 quality management system.

CPI Training for CBRS

CommScope is a WInnForum-approved Certified Professional Installer (CPI) Training Program Administrator (TPA) for CBRS.

CommScope's eLearning CPI course enables Installers to be certified to install CBRS devices in the 3.5 GHz band per FCC Part 96 rules.

The course focuses on a practical approach with simple explanations of key concepts and samples of actual user interface screens for a Spectrum Access System.

Learn in a self-paced environment and take an online exam to complete the certification as a CPI.

1. Sign up for the course **CPI Training for CBRS**

2. Complete the self-paced course

3. Schedule a video-proctored certification exam

4. Pass the certification exam

5. Receive your digital certificate

6. You are now a CPI!

For pricing and additional information, please visit: commscope.com/solutions/cbrs-certified-professional-installer/

World Class Technical Support

TIER 1 Help Desk	• Access to CommScope Call Receipt and Routing • 24/7/365 availability • Register requests for information or assistance • Escalation to Tier 2 or 3 as required
TIER 2 Technical Support	• Higher severity issues assigned for engineering support • Internal escalation tree to ensure that SLAs are met
TIER 3 Development Support	• Critical issues escalated for Tier 3 development support • Provided in addition to the Tier 2 support for troubleshooting and resolution • Consists of individuals involved in development of the product

Why CommScope?

Solid Corporate Structure

- Solid Corporate Foundation—Over 40 years in business worldwide and close to $11B in revenue

- Telecommunications Focus—Technical and practical knowledge to focus on unique customer challenges

Extensive Experience

- Selected SAS provider of major US Carriers

- Spectrum Management Expertise—Leveraging our Comsearch division's decades of expertise in spectrum management, wireless network design and interference mitigation

- Advanced pre-planning tools to help customers understand spectrum availability in their deployment areas and form business strategies

- Thought leader on propagation modelling techniques

- Historical support of wireless deployments in shared spectrum

- Proven track record of securely managing and maintaining operator data

Industry Leadership

- Leadership positions in CBRS Alliance, WInnForum, NTIA Commerce Spectrum Management Advisory Committee, and numerous other industry organizations

- USA representative in International Telecommunications Union (ITU) Propagation Group and European Cooperation in The Field of Scientific Technical (COST) Digital Mobile Radio (Propagation) Group

- Official Spectrum Manager for GSMA/CTIA MWC-Americas

Fully Established Front and Back Office Support

- Established and available support infrastructure

- Time-tested billing and back office processes supporting both large and small operators

- Robust Track Record in Reliability and Service—Providing best-in-class customer service and technical support for mission critical systems to tier-1 and other operators

For additional information:

Visit the SAS webpage at	https://www.commscope.com/solutions/spectrum-access-system/
Email us at	SAS-Customer-Service@commscope.com
Call Customer Service directly at	+1-833-SAS-0001 (833-727-0001)

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