EION BYTES

The official solution update of EION Wireless

EION CBRS COMPLETE SOLUTION

What is *CBRS*?

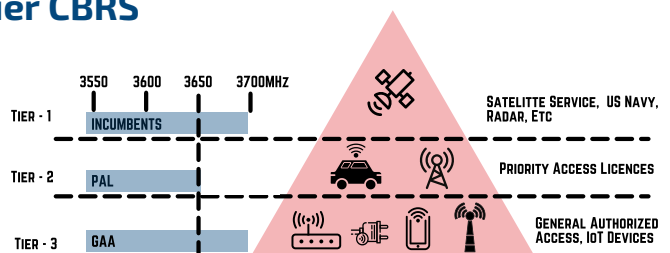CBRS is 150 MHz of spectrum – ranging from 3550 – 3700 MHz – in the 3.5 GHz band.

In April 2015, the FCC established the Citizens Broadband Radio Service (CBRS) for shared commercial use of that band.

Some of this spectrum will continue to be used by the United States government, for radar systems, but will be available for others where not needed by the Navy.
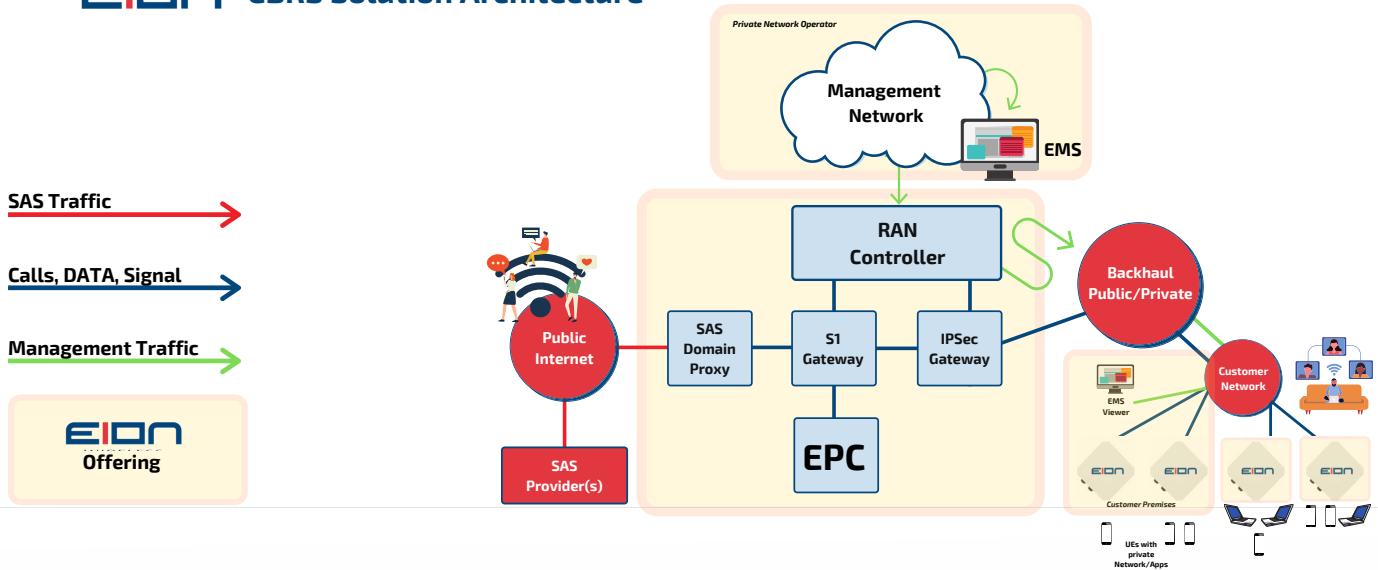
Licenses in CBRS are in three tiers:

- *Tier 1:* Incumbent protection – Reserved for fixed satellite stations or government agencies.
- *Tier 2:* Priority Access License (PAL) – Users in this tier must bid for these licenses to have priority access.
- *Tier 3:* General Availability Access (GAA) – GAA users do not have to bid for licenses but they are required to register.

The Three-Tier CBRS Architecture

EION CBRS Solution Architecture

SAS Traffic →

Calls, DATA, Signal →

Management Traffic →

EION Offering

EION CBRS Product Portfolio

MobiLink 2000 CBRS Outdoor LTE eNB	**ML 2000 eNB LTE Advanced**
MobiLink 9750 CBRS Outdoor LTE CPE	**ML 9750 CPE Cat 13**
MobiLink 9720 CBRS Outdoor LTE CPE	**ML 9720 CPE Cat 12**
MobiLink 9700 CBRS Outdoor LTE CPE	**ML 9700 CPE Cat 6**
Domain Proxy	**MobiNet**
Standalone LTE Core (EPC)	**MobiEPC 2000**

What is *SAS*?

SAS is the Spectrum Access System. It is the system that authorizes and manages the use of spectrum for the Citizens Broadband Radio Service. SAS determines the available spectrum.

EION SAS Vendors

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What is *CBSD*?

Citizens Broadband Radio Service Device (CBSD): Fixed Stations or Portable Base stations or access points, or networks of such base stations or access points, that operate on a Priority Access or General Authorized Access basis in the Citizens Broadband Radio Service, consistent with this rule section.

What is a *Domain Proxy DP*?

A Domain Proxy is an aggregation point that interfaces with the SAS on behalf of all the devices behind it.