



# Ballast AVP

Active Voice Platform  
Private LTE/5G Network

## Overview

Ballast AVP is a complete mobile, private LTE/5G network solution deployed for the benefit of the enterprise. With Ballast AVP your network has secure cellular connectivity, complete with control of what, who, when, where and how the network operates. Ballast AVP is a network independent of and interoperable with cellular network operators featuring roaming agreements enabling a seamless user experience.

## Key Benefits

- ✔ Frictionless Native Voice over LTE & Video
- ✔ Interoperable with cellular Carriers
- ✔ Cost Savings & Potential for Incremental Revenue
- ✔ Interference/Contention-free
- ✔ Policy setting enforcement and assurance
- ✔ Integrates into your IT Network
- ✔ Service grouping, P2T, PBX integration
- ✔ Enterprise processes and mobile integration
- ✔ Identity, billing & massive data management
- ✔ QoS and QoE control w/ complete data ownership

## The Network

The following are the key network elements integrated into the network and managed by Ballast.

- ✔ Core – EPS/C & NG Core (5G)
- ✔ RAN – CBRS On Go & Wi-Fi access points
- ✔ LBO and RAN servers
- ✔ SAS – Spectrum Allocation Service
- ✔ SIM – Subscriber Identity Module
- ✔ NOC – Network Element Management System



CBRS Alliance Member

## Ballast Networks

Ballast Networks is a Managed Service Provider delivering converged private LTE/5G and Wi-Fi networks as an integrated enterprise solution. Guiding you from concept, design, deployment, optimization through continuous operation; Ballast provides the network service complete with API's to format the user device data for your enterprise business systems. For the first time the enterprise can now extend network controls, policies, and data ownership to the mobile and fixed wireless network. This control brings the enterprise innovative ways to create new monetization and cost reduction opportunities which reduce the total cost of ownership and provide incremental revenue.

## Ballast Managed Network

By integrating the following new technological advances, Ballast delivers a private LTE network as a managed service solution:

**Wireless Spectrum:** New FCC Approved CBRS band (3.5 GHz) will now enable enterprise use and operation.

**Mobile Network:** The CBRS Alliance OnGo standard ensures compatibility with 4G & 5G carrier network elements.

**MNO Roaming:** Ballast enables roaming with cellular network operators for a seamless user experience with NHN and private SIMs

**Network Architecture:** IT/IP centric network elements allow for flexible & scalable deployments with common off-the-shelf equipment.

**Power of the Cloud:** Cloud-based control and management enables seamless and remote network management.

**On-Site Components:** LTE/5G/Wi-Fi access points & local