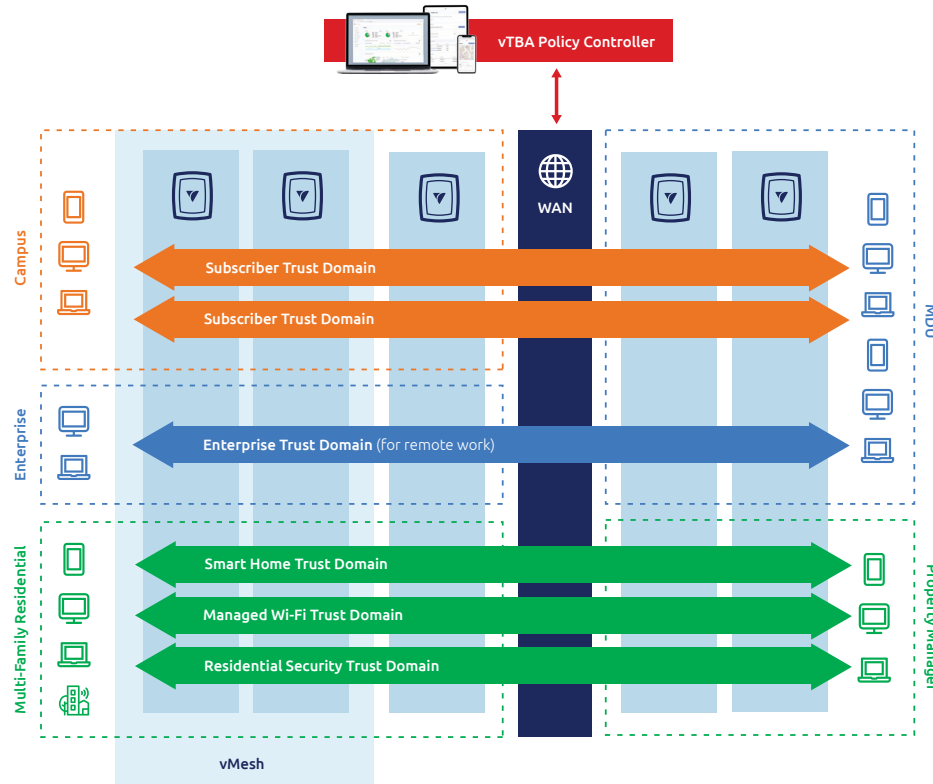veea

vTBA - Core Managed Wi-Fi

Unlock new revenue streams, expand your network, and pave the way towards Fixed Mobile Convergence with core-managed and virtualized Wi-Fi services.

Veea Trusted Broadband Access (vTBA) service is a commercial realization of the CableLabs' Custom Connectivity Specification. It replaces the usual approach of managing Wi-Fi services, which involve configuring networks and access policies on a per-location, per-access-point basis, with an approach that is managed from the network core and is consumer-centric.

Network resources are virtualized across subscribers and devices, independently of the access point locations or consumer premise equipment (CPE). This untethers the subscriber from specific access points, allowing them to enjoy a cellular-like roaming experience.

These network resources are "sliced", meaning that traffic throughput, latency and priority can be tailored to the needs of applications and subscribers. This is achieved by using cloud-based policy definition and edge-based policy enforcement, which minimizes the effort required to onboard subscribers and manage the network.

Highlights

- Unlocks new revenue streams and expands network access for network providers

- Supports wireline, 4G/5G, and Wi-Fi backhauls, providing a path towards Wi-Fi/5G Fixed Mobile Convergence

- Enables virtualization of Wi-Fi network resources across access points, subscribers, and client devices

- Combines core-based policy management with edge-based policy enforcement and user plane functions

- Compatible with legacy Wi-Fi 4/5 devices and doesn't require a large-scale transition to Wi-Fi 7

vTBA's state-of-the-art technology enables virtualization of Wi-Fi network resources across access points, subscribers and client devices, unlocking new revenue streams for network providers and extending their networks.

Intelligently Connected™

vTBA directly opens up new revenue streams and drastically simplifies access network expansion for solution providers and network operators:

ISPs and MNOs can unlock the potential of dense (MDU), underserved, and unserved communities without the need to install, maintain, and support access equipment in each household.

Hospitality service providers and temporary housing owners (e.g., vacation rentals, campgrounds, and trailer parks) can more cost-effectively provide managed guest broadband access.

Property managers can offer managed Wi-Fi, residential security, and Smart Home amenities in multi-family dwellings, apartment complexes, and residential campuses.

Commercial real estate managers can provide their tenant enterprises with managed services for building access, energy and resource management, and environmental compliance management, allowing them to fast-track their ESG initiatives without significant investment.

At the same time, vTBA grants service providers a way to further maximize their net operating income through simplified subscriber activation and network management, reduced CPE capital and operational expenses, and improved subscriber Quality of Experience. What's more, vTBA offers an unparalleled level of convenience and scalability for service providers of all types, allowing them to increase their reach and realize greater potential for growth.

While Wi-Fi network slicing and advanced network management features are essential in today's market, vTBA is uniquely positioned to support the development and deployment of complex solution architectures which tie Wi-Fi edge networks into broader solutions:

- Supports a broad range of 802.1X authentication mechanisms, allowing integration with a variety of authentication back ends.
- Compatible across wireline, 4G/5G, and Wi-Fi backhauls, providing a path towards Wi-Fi/5G Fixed Mobile Convergence.
- Leverages distributed edge processing and swarm intelligence to control policy application across the entire network, thus reducing service costs while minimizing access times and enhancing security.
- Directly integrated with IoT smart hub functionality, allowing IoT devices and applications to be natively managed via isolated network resources.
- Compatible with legacy Wi-Fi 4/5 devices and is not dependent upon a large-scale transition to Wi-Fi 7.

vTBA runs on the VeeaHub family of Smart Computing Hubs, ranging from indoor to outdoor with a wide range of connectivity options, all providing enterprise-grade computing capabilities.
To learn more, check out the VeeaHub Product Brief available at veea.com/resources

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Learn More About vTBA

Get more information and find out how Veea can help by contacting us at sales@veea.com or by visiting **veea.com/resources**

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