Be Your Own Carrier Solutions Brief

Switched access revenue is essential to your business. With Alianza, you can have the best of both worlds.

For most service providers, the idea of staying NECA compliant goes hand-in-hand with toughing it out on legacy, premises-based solutions. It would be easy for local exchange carriers (LECs) to assume that a cloud transition must then come with an unacceptable loss of the switch access revenue — at a time when businesses can least afford it.

Want to:
- Keep your intercarrier compensation?
- Maintain ownership of your numbers?
- Move services to the cloud yet continue to leverage hardware investments?

No problem! **You don't need to sacrifice the core LEC aspects of your business model to cloudify your network.** Retain what's business-critical while becoming a cloud-powered LEC to take advantage of Alianza data-driven, AI-powered, cloud communications platform for service providers.

Alianza's Be Your Own Carrier (BeYOC) solution empowers ILECs to continue operating their own PSTN call routing infrastructure — keeping them NECA-compliant and competitive in a market increasingly centered on cloud-enabled offerings — while gaining access to a feature-rich cloud communications platform with continuous innovation to meet the evolving needs of 21st-century voice communications.

What You Keep with BeYOC

Get all the cloud-native platform features your customer demand while staying your own carrier.

Administration & Management

Ownership. Retain ownership of your phone numbers, including inventory, reservations, termination, porting, and rate center management. Phone numbers can be viewed in the Admin Portal, but end customers cannot add or manage them.

Access Revenue. BeYOC uses your network equipment in the call flow, so you retain switched access revenue.

NECA Status Quo. All existing regulatory and NECA reporting obligations remain the same.

Traffic. Both inbound and outbound traffic, including 911, remains on your current interexchange carrier (IXC) and/or local trunks to remain eligible for ICC and NECA funding.[1]

Call Detailed Records. View and download CDRs for specific outbound traffic through your current carrier services. The gateway will provide carrier

Technology & Platform

Call Processing. The TDM gateway manages inbound and outbound call routing while call control services are managed by Alianza's platform.

Call Termination and Switching. Switching, call routing, and subscriber management remain with the service provider. Keep and maintain your SS7 links, including ISUP and TCAP functions, via your current Class 4 softswitch or gateway, such as TelcoBridges.

CO Equipment. A new media gateway will be installed to convert TDM trunks to SIP trunks.[2]

PSTN Trunking. Use your voice network assets to connect your PSTN as is (public GRE or Megaport) to Alianza while continuing to operate your PSTN call routing infrastructure. Establish your SIP trunks on Alianza's geo-diverse datacenters (which may require a trunking gateway) to process inbound and outbound calls and remain responsible for routing

Functionality

911. Retain ownership of 911 services, with optional local survivability and 911 failover available via CLOUD**EDGE**.
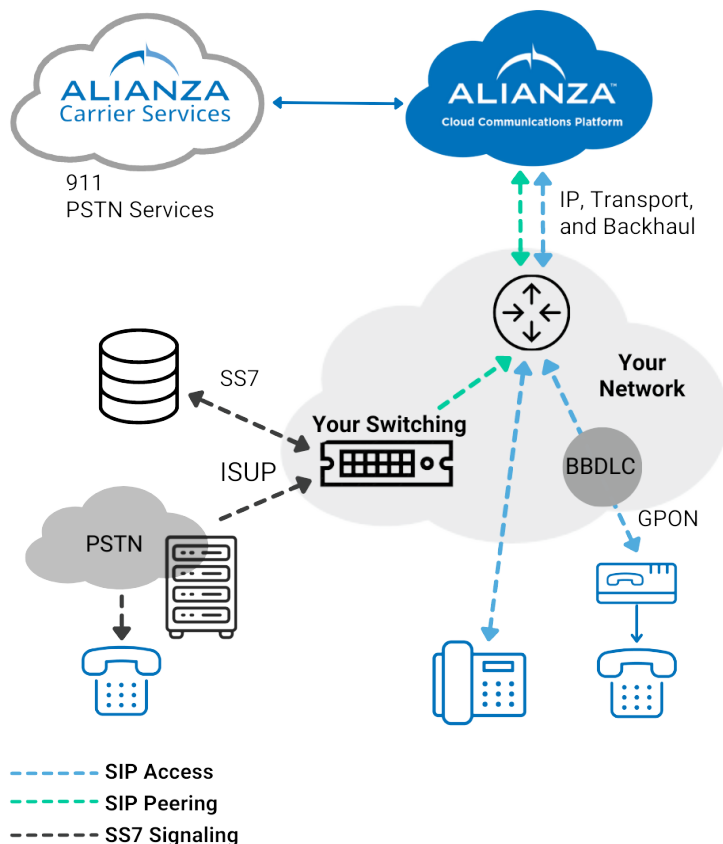
CALEA. Retain ownership of compliance with federal and state CALEA regulations.

CNAM Record. The caller ID name and number are set when the phone number is created via your carrier services.

Directory Listing. Directory and 411 listing and privacy options are set when the phone number is created via your carrier services.

Technical Support

Tier 1 and 2. As a service provider, you are responsible for making changes to end user services through the Alianza Admin Portal on behalf of the end users. Your agents will document, troubleshoot, and resolve basic account and voice issues that may arise.

[1] *Alianza connects media gateway to SIP trunks. The LEC is responsible for procuring, installing, and operating their gateways.*

[2] *Outbound, off network calling is limited to dialed telephone numbers not hosted on the Alianza Cloud Communications Platform.*

911
PSTN Services

IP, Transport, and Backhaul

SS7

Your Switching

ISUP

Your Network

BBDLC

GPON

PSTN

- - - - - SIP Access
- - - - - SIP Peering
- - - - - SS7 Signaling

PIC'd LD not supported. No Alianza Carrier Services for numbers or usage.

Relief from Regulatory Restraints

Keeping your network in the call flow allows you to retain crucial intercarrier compensation (ICC) revenue while gaining the operational simplification benefits of the cloud that previously weren't possible.

- End users register directly to Alianza
- Retain inbound usage for ICC and NECA funding
- Retain outbound usage for ICC
- Direct SIP connectivity from your switching infrastructure to Alianza
- Repurpose current TDM gateway/softswitch or procure a suitable TDM trunking/signaling gateway

CLOUDEDGE

Pair our Be Your Own Carrier solution with CLOUDEDGE, our local survivability and 911 failover/emergency standalone (ESA) solution. In case of connectivity failure to Alianza's cloud communications platform, local traffic for both SIP and non-SIP endpoints temporarily rerouted through your local network for uninterrupted service.

CLOUDEDGE Solutions Brief →

Want to offload a portion of your telephone number administration to Alianza? No problem.

Telephone Numbers. Retain ownership of your telephone numbers while offloading local number portability, local and long-distance minutes, directory listing, and caller ID name (CNAM) to Alianza Carrier Services.

Call Traffic. All inbound traffic remains on your interexchange carrier (IXC) and/or local trunks, while 911 and outbound traffic are directed to and terminate with Alianza's carrier partners.

What You Gain with Alianza

Whether you're looking to grow revenue or offer updated technology to existing customers, cloud implementation carries lucrative benefits and financial advantages outside of retaining ICC generated income.

Administration & Management

Simplify Operations. Automation, like remote provisioning and deployment, gives your IT and technical experts back precious time and removes several layers of engineering, administration, and software maintenance costs.

Fast-Track Marketing. We provide extensive market-ready sales and marketing enablement materials to reduce your customer acquisition and asset development costs to increase your speed to market.

Technology & Platform

VoIP Service Logic. Move call control to the cloud while keeping your NECA-compliant access components.*

Cloud-Native Platform. Our resilient, elastic, and agile cloud infrastructure lets you seize market opportunities and adapt to changing user needs across devices and locations.

Functionality

Strong, Sustainable Margins. Monthly costs scale in-step with customer needs, so your growth and margins stay in sync and your capital can be used for expanding your network, not maintaining it.

Feature-Rich. Alianza offers 100+ features including fraud protection, blocked robocalls, unlimited calling and an intuitive end user portal where customers have control over their own settings, including call waiting, call screening, scheduling, forwarding, and more.

Predictable, Product Releases. Unlike our competitors, who only have two releases a year (mainly fixing significant flaws without a focus on innovation), Alianza has four high-quality, high-velocity product releases per year.

Technical Support

Tier 1 and 2. As your partner in cloud communications, Alianza will provide Tier 3 and 4 support directly to your Tier 2 representatives. We are responsible for troubleshooting, diagnosing, resolving, and resolving advanced and complex issues within Alianza's cloud communications platform when necessary.

[1] *Alianza connects media gateway to SIP trunks. The LEC is responsible for procuring, installing, and operating their gateways.*
* *NECA compliance for each network configuration is dependent on review and approval by NECA.*
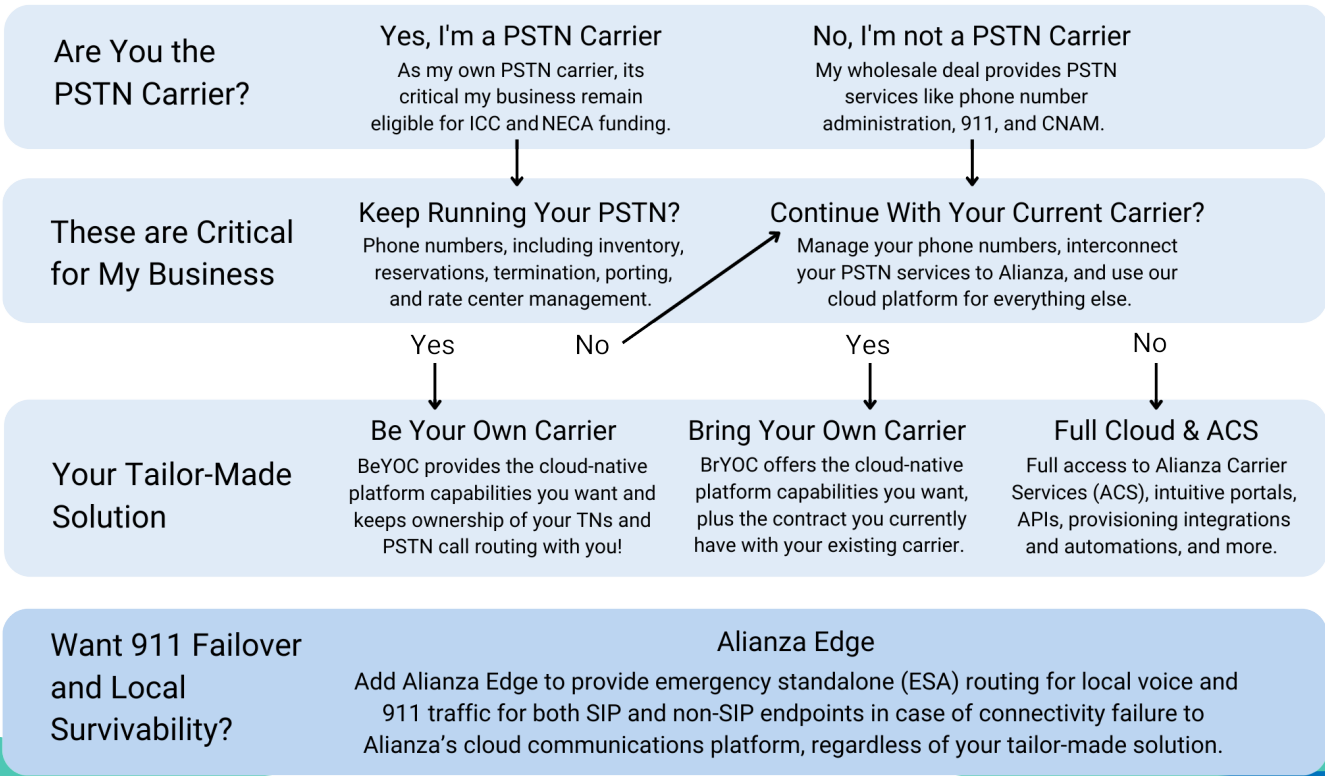
Future-Proof Your Network

Reduce switching and maintenance expenses while maintaining critical compliance components and benefiting from the operational ease that comes with shifting users to the cloud.

Some LECs hesitate to fully transition to the cloud for one simple reason: They must remain compliant with the NECA to collect switched access revenue on the use of their network services or facilities. BeYOC allows you to benefit from cloud-native technology while retaining business-critical ICC and NECA funding and prepares your company to eventually decommission obsolete hardware and implement Alianza's Full Cloud solution once regulatory requirements like emergency 911 services, network dependability, consumer protection, and industry rules no longer limit your PSTN connectivity options.

We've future-proofed our platform, products, and solutions, so there is no need to worry about TDM being phased out.

Are You the PSTN Carrier?	**Yes, I'm a PSTN Carrier** As my own PSTN carrier, its critical my business remain eligible for ICC and NECA funding.	**No, I'm not a PSTN Carrier** My wholesale deal provides PSTN services like phone number administration, 911, and CNAM.

These are Critical for My Business	**Keep Running Your PSTN?** Phone numbers, including inventory, reservations, termination, porting, and rate center management.	**Continue With Your Current Carrier?** Manage your phone numbers, interconnect your PSTN services to Alianza, and use our cloud platform for everything else.

Yes — No   Yes — No

Your Tailor-Made Solution	**Be Your Own Carrier** BeYOC provides the cloud-native platform capabilities you want and keeps ownership of your TNs and PSTN call routing with you!	**Bring Your Own Carrier** BrYOC offers the cloud-native platform capabilities you want, plus the contract you currently have with your existing carrier.	**Full Cloud & ACS** Full access to Alianza Carrier Services (ACS), intuitive portals, APIs, provisioning integrations and automations, and more.

Want 911 Failover and Local Survivability?	**Alianza Edge** Add Alianza Edge to provide emergency standalone (ESA) routing for local voice and 911 traffic for both SIP and non-SIP endpoints in case of connectivity failure to Alianza's cloud communications platform, regardless of your tailor-made solution.

ALIANZA™

Discover how service providers leverage our platform to innovate and address the evolving demands of business and residential customers with an easy to manage, easy to consume, and highlight profitable platform.