

# Regional Network Transformation

**With real time communication services now available not only from traditional network operators, but also from over-the-top (OTT) internet based providers, competition for customer loyalty has never been greater. To ensure on-going profitability in this new environment, incumbent telephony service providers must reduce long-term operating costs and introduce new communications services. However, most rural and regional incumbent network operators still utilize TDM networks with high operating expenses and only basic service offerings. The way to overcome these limitations is to migrate from TDM to IP-based switching solutions. Many regional and rural operating companies can no longer afford to defer this modernization of their Class 5 TDM switches.**

## Overview

Ribbon regional network transformation solutions reduce operating expenses, ensure carrier grade reliability and scalability, and lay a foundation for launching powerful high-margin IP-based services.

Ribbon offers a broad portfolio of industry leading IP switching platforms that uniquely support both TDM and IP technologies and enable gradual migration from TDM to voice-over-IP access, while scaling from hundreds to thousands of lines.

Ribbon softswitches and media gateways ensure seamless Class 5 PSTN support while simultaneously providing a comprehensive array of new revenue generating IP voice and multimedia features. By gradually layering new IP-enabled capabilities on top of what business and residential subscribers use today, service providers will continue to enjoy new sources of revenue over the long term.

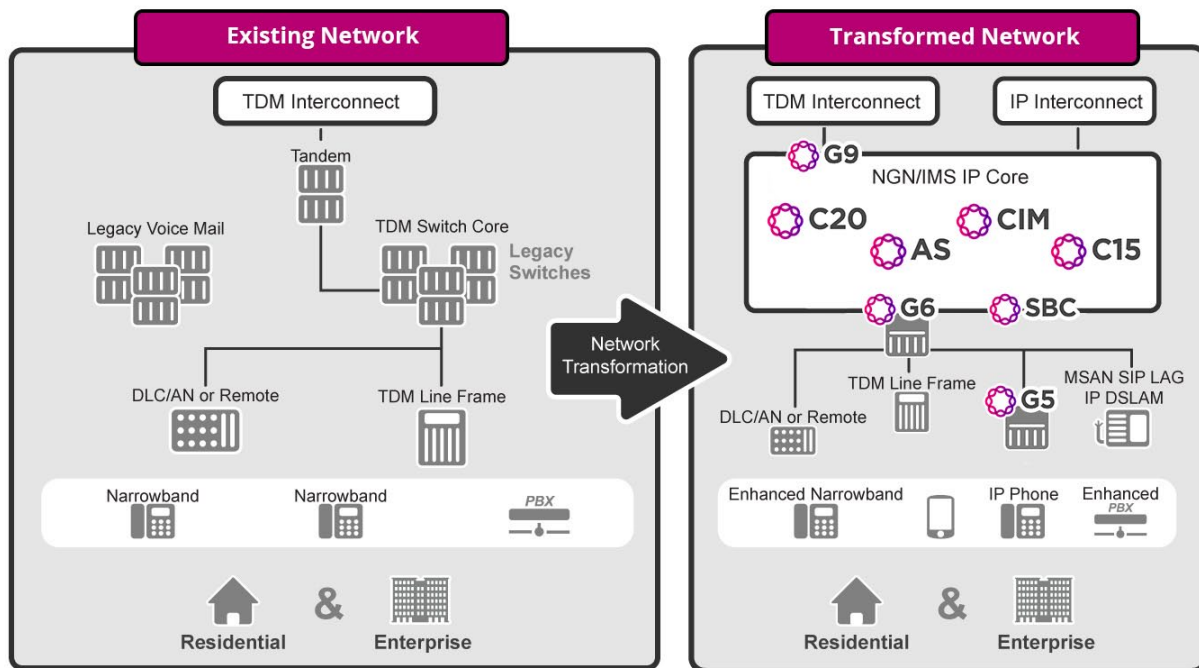
## Solution Features

Ribbon's Regional Network Transformation solutions allow incumbent service providers to replace aging switch cores while maximizing reuse of TDM access peripherals, subscriber terminals, and OSS/BSS support systems. The C15 cost effectively leverages existing TDM line peripherals, such as DMS-10 and DMS-100 LCMs, and also supports other IP-based access equipment. With the C15 platform, operators de-risk their network and reduce long-term operating expenses through power savings and simplified switch management.

Utilized in hundreds of networks, Ribbon's C15 call session controller has been designed to bridge line migrations from analog to broadband voice-over-IP access, and is the ideal platform for delivering both legacy and IP-based services to small businesses and residential subscribers alike. The C15 supports a wide array of powerful IP-enabled capabilities including presence, messaging, video, conferencing, fixed mobile convergence, and user portals. The C15 is also fully SIP and IMS-capable, incorporating an integrated session border controller, integrated TDM gateways, and native SIP call control. With the C15 call session controller, end users are able to enjoy both legacy telephony services and advanced SIP call controls accessible through user portals.

For service providers wishing to offer their subscribers advanced multimedia applications, but not wanting procuring and manage new equipment, Ribbon's Kandy Business Solutions provides a best-in-class, cloud-based alternative. Kandy Business services are branded by service providers and taken to market as a new offering for both businesses and consumers under a pay-as-you-go licensing model.

For larger regional operators, Ribbon's C20 Call Session Controller leads the network transformation market, offering concurrent support for both legacy and broadband subscriber services while enabling reuse of existing DMS peripherals. Deployed in conjunction with Ribbon's full portfolio of TDM media gateways and SIP session border controllers, the C20 simplifies complex legacy switching networks while providing investment protection and paving the way for any future migration to IMS.



## Ribbon Benefits

Regional service providers can rely on Ribbon to provide an integrated portfolio of field-proven switching products, professional support services, white label marketing collaterals, and on-site assistance.

- Best-in-class product portfolio of Call Session Controllers and Application Servers ensures highly scalable solutions
- Cloud-based “as-a-Service” options available
- Operational cost savings from lower power and small footprint IP platforms
- Service transparency with support for gradual migration from legacy to IP-based access
- Ability to close the feature gap and compete with Internet based over-the-top providers
- Highly experienced professional services team that has deployed 260+ million VoIP ports and implemented 20,000+ TDM-to-IP network transformations globally

**Contact Us**

Contact us to learn more about Ribbon solutions.