

# TIER 1 Mobile Carrier Selects Ribbon Communications' VoLTE Transcoding

Enabling millions of successful voice connections everyday  
Solution: Ribbon Media Resource Function Controller (MRFC) and Media Resource Function Processor (MRFP) Transcoding

## Customer

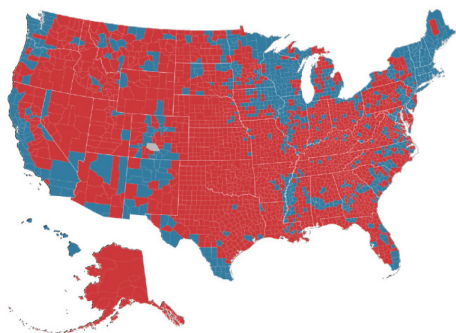
One of the largest US nationwide Tier I mobile providers rolling out its VoLTE network, which requires a very cost effective transcoding solution with high-performance, scalability and geo-redundancy.

## Challenge

With the continued evolution of wireless and fixed line networks, service providers are now challenged to manage the exchange of voice traffic across network borders controlled by a mix of IP and TDM technologies. To succeed in deploying new network solutions such as VoLTE, mobile carriers must be able to support transcoding for a variety of legacy network interconnect points.

## Solution

After an extensive evaluation process, this mobile carrier choose Ribbon's MRFC/MRFP transcoding solution. This solution provides secure connectivity across multiple network islands, including legacy 3G and CDMA mobile networks and new VoLTE solutions.



Ribbon has a long successful relationship with this mobile carrier, including a strong technical understanding of their IMS core technology. The Ribbon Transcoding solution provided the special media handling features, efficiency and cost effectiveness required by this mobile carrier to rollout its nationwide VoLTE offering.

Ribbon's unique transcoding solution:

- Provides a distributed MRFC/MRFP architecture within the IMS specifications
- Simultaneously supports a comprehensive list of mobile and fixed codecs and framings with the ability to easily include a growing list of new codecs
- Provides low latency and jitter, as well as features such as per session VQE, conferencing and announcements
- Supports IPv6, RTCP-XR, RTCP bandwidth management along with geographical redundancy.

## Result

Ribbon's MRFC/MRFP Transcoding solution enabled the Tier 1 mobile carrier to:

- Rollout its next generation VoLTE network nationwide
- Provide seamless voice integration between VoLTE, 3G and CDMA networks
- Eliminate multiple stages of transcoding/internetworking
- Reduce operational costs.

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