



March 7th, 2014

Marlene H. Dortch, Secretary
Federal Communications Commission
445 – 12th St. SW
Washington, DC 20554

RE: Expression of Interest
CAF Experiment Program Docket No. 10-90

Dear Ms. Dortch,

NewCore Wireless, LLC would like to submit for your consideration an Expression of Interest to obtain funding through the Rural CAF Experiment Program. NewCore Wireless is a licensed wireless carrier and a hosted switching provider serving rural wireless operators in multiple states in remote areas of the United States.

Background

NewCore Wireless was founded on the principle of providing rural carriers the ability to offer wireless voice and broadband services economically through a shared switching platform. Our Partners own and operate their own local networks, customers and retail operations. NewCore provides the experience, hosted switching platforms and industry partnerships that individual partners do not have the scale to provide. We truly believe that “together we are better”.

Our rural partners who serve their customers in Minnesota, North Dakota, Montana, Iowa, Wisconsin, Kansas and Nebraska rely on NewCore to keep their networks up-to-date so that they can provide their customers with the most current voice and broadband services. It is imperative that NewCore assists our partners with keeping their networks up-to-date by researching and deploying the most advanced services for them to stay competitive.

Project

NewCore Wireless is proposing to upgrade its platform to be IMS and VoLTE capable. This will allow our 2G/3G and LTE partners to migrate to an all IP platform that can support IP voice capabilities, integrated wireless and wireline services and a faster adoption of LTE broadband to their rural areas. The IMS and VoLTE solutions will interface between the existing 2G/3G core network, the partners wireline networks and the LTE core network. The rural partners' networks will have minimal new investment as most of the expense falls within the core network.

A few of the advantages of our partners moving to an IMS platform include:

- OPEX and CAPEX reduction
- Providing voice/multimedia application over the LTE network
- All IP voice capability with High Definition voice
- Combined services such as voice mail and SMS on one platform
- Consistent experience across the entire network
- Smooth transition from 2G/3G services to LTE
- Rural customers can receive equivalent or superior services through their local providers as urban customers are provided
- End customers can receive LTE broadband services at an accelerated rate with LTE being able to provide both voice and data

Proposed Service Areas

The proposed service areas that are impacted by this project are distributed throughout the United States and include areas where the population density can be less than one person per square mile. The most economical way for these customers to receive access to IMS and VoLTE services is to have their carriers aggregate onto a common platform. The proposed switch upgrades will allow our community friendly partners to provide broadband to underserved areas.

With this IMS and VoLTE platform upgrade, NewCore will be able to partner with other rural wireless providers such as the Cellprano Group in Northwestern Wisconsin. The Cellprano Group has the same need as NewCore for an IMS and VoLTE platform. NewCore and the Cellprano Group will be able to share this upgrade for more cost effective networks for both parties. The end result is better and less expensive voice and broadband services in rural areas of Minnesota, Wisconsin and neighboring states where the lack of broadband is hampering growth and sustainability.

Project Timeline

The time frame to deploy IMS and VoLTE capabilities in our platform is estimated to be 8 months. Once the core services are in place, the time required for end user deployment will only be based upon access to end devices such as handsets and home routers. It is expected that these devices will become more available as Tier 1 operators begin deployment in 2014.

Total Project Cost

The project is estimated to have capital cost needs of \$2.1 Million.

Sincerely,



Albert Kangas

General Manager and COO
NewCore Wireless, LLC
3717 23rd Street South, Suite 201
St. Cloud MN, 56301
320-492-7510
akangas@corewg.com