## Exhibit H

Missouri Deployment Plan

Wisper does not currently offer services at the 100 Mbps/20 Mbps above baseline/low latency service level but is technically capable to do so in several of its markets. Wisper will, however, provide 100 Mbps/20Mbps services to the areas it has been awarded CAF II funds and for which it is seeking eligible telecommunications carrier ("ETC") designation.

In addition to the plans available on Wisper's website, Wisper also offers 25 Mbps and 50 Mbps download packages in areas with recently updated fiber backhaul capacity to certain towers. Those plans are not advertised on the website to prevent customer confusion. Instead, the higher speed plans are offered directly to customers that qualify via direct mail, door hangers, or calls to existing customers. From a technical perspective, these customers are also capable of receiving 100 Mbps download speeds but there has not been sufficient business rationale to offer that as a speed tier yet in those markets.

To offer the above baseline/low latency service plans requiring 100 Mbps/20 Mbps for CAF II, Wisper will first need to increase the fiber backhaul density in its network. Across its entire network currently, Wisper operates or leases 55 fiber feeds. After the CAF II areas are built, Wisper will have added 150 to 200 fiber circuits to its network. This fiber densification will allow Wisper to provide the higher speeds in the CAF II areas. As a result, the customers in each of the six state-awarded CAF II census blocks will have access to a 100 Mbps/20 Mbps service tier as soon the network is built to serve a given census block and services are turned up for delivery. Per Wisper's CAF II award requirements, 40% of the CAF II recipients should be capable of receiving 100 Mbps/20 Mbps speeds by the end of the third funding year, 60% at the end of the fourth, 80% at the end of the fifth, and 100% by the end of the sixth.



## **Overview of Intended Technology and System Design**

Wisper ISP, Inc. (Wisper) will use the same technology and system design to meet its Phase II public interest obligations in each of the following states: Arkansas, Illinois, Indiana, Kansas, Missouri and Oklahoma at the Above Baseline tier: (100Mbps downlink, 20Mbps uplink, Low Latency) with a combination of existing and new infrastructure.

Wisper has provided broadband service since 2003 until the present time in Illinois, Missouri, Oklahoma and Kansas. Wisper currently utilizes fixed wireless and fiber as a last mile technology. A combination of fiber optic transport, licensed microwave links, and unlicensed microwave links is utilized for backhaul/interconnection. Wisper provides broadband and voice service over the existing fixed wireless/fiber network.

Wisper will expand its current networks in these states to meet its obligations in the designated Census Blocks. New networks will be built in Arkansas and Indiana to meet Wisper's obligations in the designated Census Blocks. It plans to use both fiber optics and fixed wireless technology in its supported networks.

More specifically, Wisper intends to utilize fixed wireless as the primary technology for the last mile portion of the supported networks. In some areas, fiber-to-the-location will be used for the last mile portion of the proposed network. This will be evaluated on an area-by-area basis. GPON equipment and standard fiber installation process will be used to deploy the fiber network. Wisper will also utilize a combination of new and existing fiber infrastructure and new and existing licensed microwave links as backhaul for each fixed wireless node sites.

Some of the fixed wireless equipment Wisper intends to use will be based on LTE technology in the EBS and CBRS bands. Wisper currently holds spectrum leases with four 4 EBS licensees for a total of 90 MHz of 2.5 GHz spectrum. Wisper also is licensed for 66 licensed microwave links for backhaul services. Wisper has already been active in evaluating standards-based LTE products from multiple vendors.

Wisper intends to also use existing technology for its non-standard fixed wireless access solutions from multiple vendors. This equipment will operate in the unlicensed spectrum outlined in our Spectrum Access attachment. While existing technology will allow Wisper to meet its Phase II obligations, new technology will be tested as it becomes available. Equipment that proves to provide better service to the customer will be adopted and our network buildout plans adjusted.

Voice services will be provided over the proposed fixed wireless equipment to subscribers. Voice services will be backhauled to Wisper's primary aggregation location where they will be hosted on Wisper's existing NetSapiens voice switch. A voice gateway device, supporting VoIP Quality of Service (QoS), will be placed in each subscriber's home and will connect to an externally mounted subscriber radio/antenna.

In sum, by combining the capabilities of fiber optics and microwave for backhaul and interconnection with the efficiencies of fixed wireless and, in some locations, fiber-to-the-location, Wisper will be able to meet its public interest obligations of low-latency 100/20 Mbps service in the designated Census Blocks in each state where it is the successful bidder.



## Detail Network Design Certification

I Nathan Stooke certify that the attached network design will provide Above Baseline tier (100Mbps downlink, 20Mbps uplink, Low Latency) service to 100% of the eligible locations Wisper won.

I am a professional wireless engineer with over 15 years of experience designing and building wireless/fiber hybrid networks. I have a BS in Computer Science, minor in Math and a MBA. The networking team at Wisper has also helped to create and validate the network design. Real world experiences were used in the validation of the network design. Some of those tests have been attached to the network overview document. In 15 years, Wisper has grown to be an industry standard for a great network and for great customer service. Wisper University was started to teach other WISPs best practices, train new employees and in general raise the level of the industry standards.

Wisper has a large amount of wireless network design and build experience. We have designed and installed over 1,650 backhaul links for itself and others. Over 4,230 base stations have been designed and installed by the Wisper team on everything from a 1 story house to a 1,500 foot tower. As founder and CEO of Wisper, I have done everything from the design to the installation of every element of the network. I am tower certified to climb and holds many manufactures certifications. I have also been on the technical advisory boards of many of the manufactures.

Wisper has invested over \$30 million into designing and installing the current Wisper network with great success. Wisper continues to grow every year under my leadership. The network design that will be used to cover 100% of the eligible locations will follow the same network design that Wisper uses today, with the exception of more fiber connections into the network and more small cells deployed throughout the network. This additional infrastructure will allow for faster packages to every customer. The use of a small cell network design is relativity new to the large cellular carriers, however Wisper's third tower 15 years ago was a small cell deployment.

The above experience allows me to confidently certify that Wisper will be able to provide Above Baseline tier (100Mbps downlink, 20Mbps uplink, Low Latency) service to 100% of the eligible locations Wisper won in Illinois.

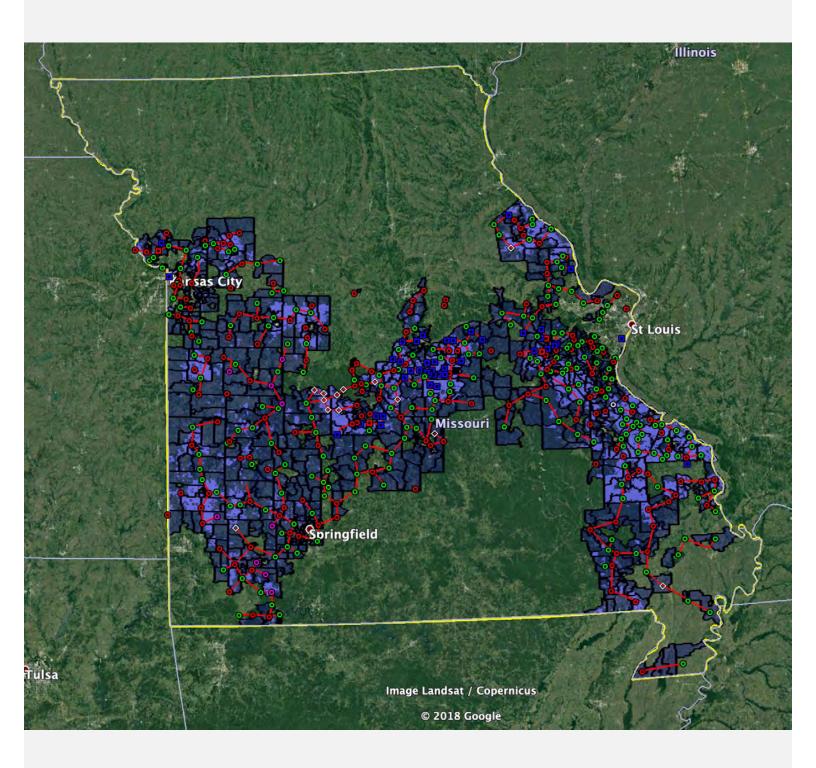
Nathan T Stooke

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Wisper ISP, Inc. FCC Auction 903 Long Form Application October 2018



## Detailed Network Buildout Plan For Missouri



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