

EXHIBIT A-4 PRODUCTS & SERVICES TO BE TRIALED

This Exhibit A-4 is attached to, and upon signature by both Parties below, becomes a part of that certain Federated Wireless Trial Agreement with an effective date of November 3, 2016.

Trial for the benefit of: **Yuma High School District**

1. Company Products:

The Company Products shall include:

- a) Federated Wireless SAS
- b) Federated Wireless ESC

2. Technology Partner Products:

The Technology Partner Products shall include:

- a) AirSpan AirHarmony 4200 CBRS eNodeB's

3. Trial Phases: (Phase applicability to be jointly agreed upon – this list is for discussion purposes only and is not meant to be exhaustive)

3.1 Phase 1. Collaborate on inter-SAS operations, jointly develop minimum viable product to support FCC R&O Part 96;

- Red Rover in support of Yuma High School District (AZ) is looking to deploy a 4G LTE network on the CBRS spectrum. This network to be commissioning in Q1, 2017 will provide students free broadband internet service at home.
- Yuma High School is located in the North of the city and in an under-served area where many kids cannot afford internet at home. The Proof of Concept (POC) is planned to provide 1200 students in the immediate area of the High School free Internet access at home. Should the POC be successful the District would like to expand the program to other school locations with a master plan to cover a majority of the low income neighborhoods.. The District is in a low income area with 100% of the students on free and reduced lunch. The District is looking to deploy a network to cover the city providing students free internet access. This will bridge the digital divide assuring all students have equal internet access.
- The district has allocated funds for this project and looks to gain Board of Education approval within 60 days to procure the system.
- The initial Proof of Concept (POC) of a single eNodeB will be deployed in this trial.
- The System will LTE to backhaul the IP traffic for the internet. Each student will be provided a MiFi hotspot devices, or alternatively an indoor or outdoor CPE (dense residences)

3.2 Phase 2. Develop and define interfaces for the coexistence layer



- Data Exchange CBSD location
Parlier Unified School District
Yuma High School
400 S 6th Ave, Yuma, AZ 85364
United States
www.yumaed.org
- Frequency allocation: The desire is to have a min of 20MHz which would be equal to a standard EBS license. This would be the min spectrum necessary for reasonable throughputs. Being in a Rural location, the ability to offer increment allocations will improve the system overall throughput.
- Optimization: No optimization is required as this will be a single eNodeB



3.3 Phase 3. Joint Field Trial for SAS and LTE interoperability

- Viability of using CBRS for a Educational Private LTE network providing student free school provided internet at home.
- The POC: The POC will test the viability of this spectrum in support of service for the District. It will also verify the operational of the devices (CPEs) and signal strength based on distance and building type.
- SAS interoperability
- SAS & CBSD coexistence
- Interference levels
- SAS Peering
- LTE/WiMAX network interoperability i.e. wireless roaming which includes but not limited to:
 - Single User/Multi user
 - Device Authentication
 - Device Registration
 - Voice Services
 - Data Services
 - Consumer and Enterprise applications
 - Basic Application Performance
 - Achievable data rates/latency UL/DL
 - QoS
 - LTE peering, and inter-LTE mobility

IN WITNESS WHEREOF, the parties have executed this Exhibit A-4 as of the date set forth below.

RED ROVER LTD By:  (Authorized Signature) Name: Steve Rovanni Title: President Date: 11/22/16	FEDERATED WIRELESS, INC. By:  (Authorized Signature) Name: Jessica L. Barness Title: Director of Business Operations Date: November 22, 2016
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