

From: Rick Kroll

To: Behnam Ghaffari

Date: December 20, 2018

Subject: 1004-EX-CN-2018

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Message:

Date: December 19, 2018

Subject: Response to Correspondence Reference Number 45515

Applicant Name: Midcontinent Communications

File Number: 1004-EX-CN-2018

Midcontinent Communications ("Midco") hereby responds to the Correspondence from the Office of Engineering and Technology with a Reference Number of 45515, and amends its initial application filed December 14, 2018 (the "Application") with these responses:

1. Please justify the need for 120 units (CPE 9000).

Response: Midco intends to use Telrad's carrier aggregation technology on new and various channel configurations in rural America where there is limited, and known, interference potential. In lieu of the 120 units, Midco proposes to use 10-15 units (CPE 9000) for testing the channel configurations and carrier aggregation.

2. You have selected equipment not experimental. If the equipment is not experimental, then why are you applying for an experimental license?

Response: The equipment has not been field tested on the new and various channel configurations as proposed in Midco's application and within the 150 MHz of spectrum proposed. The real-world speeds and interference risks of the new configurations are not known and need to be understood. More specifically, Midco will field test the performance and operation of a CBSD when instructed by a SAS to switch frequency. Midco, in collaboration with Telrad and its SAS partner, will also simulate protection scenarios to determine whether current carrier aggregation radios, when instructed by a SAS to switch frequency, can switch frequency without impact to the end user within the 150 MHz of spectrum as stated in the Application.

3. Will any fees be charged, or will there be any contractual arrangements between Midco and the participants in this experiment?

Response: Midco will not charge participants any fees for participating in the experiment, although current customers will continue to be charged their monthly service charge. Midco does not expect that the experiment will have any impact on current customers' service.

Additionally, Midco also amends its Application under "Applicant Type" to report that Midco is a general partnership, not a corporation.