



April 5, 2021

Molly O'Connor
Attorney Advisor
Wireline Competition Bureau
Federal Communications Commission 445 12th Street, S.W.
Washington, D.C. 20554

RE: WC Docket No. 21-93

Dear Ms. O'Connor

Wind Talker Innovations appreciates the opportunity to provide input on the Federal Communications Commission's (FCC) Proposed Rule, Wireline Competition Bureau Seeks Comment on Emergency Connectivity Fund for Education Connections and Devices To Address the Homework Gap During the Pandemic (86 FR 15172).

Demand for reliable access to high-speed data and hi-def content are exceeding the delivery capacity of current network systems for our students and educators. This is especially true in rural areas across America, where limited or non-existent connectivity at the edges of existing network coverage precludes rural America from standing on equal footing with the rest of the country. Sadly, COVID-19 and the shift to remote learning has exposed the fact that students across the country have no way to access the internet. It has also cut off a vital lifeline to library patrons who depended on these community institutions to access the internet.

Technology that extends the reach of existing data communications networks can improve the way that devices communicate and can help to fill these gaps and should be considered "eligible equipment" for purchase through the Emergency Connectivity Fund.

Wind Talker's Osmosis' innovative architecture can connect all radio-enabled devices, and empowers them to function like anonymous miniature routers, thereby dramatically improving the range of an existing infrastructure system. Our technology is proven and recognized by numerous government partners including the Army. In addition, individual devices can communicate directly to and through one another, and data is therefore still capable of delivery even when a conventional network is out of reach or unavailable. Osmosis' patented technology creates a mesh of connectivity that incorporates all cellular bands (including 5G), Wi-Fi (2.4 and 5 GHz) and Bluetooth, and intelligently delivers data via any available path using a powerful, Least Cost Routing algorithm. Osmosis constantly optimizes network health, allowing for instantaneous connectivity and seamless switching in a zero-knowledge, inherently secure environment.



Whether it is utilized to create a standalone education network, close the rural broadband gap or narrow the digital divide, Osmosis is designed to provide secure, high-speed data connectivity.

We respectfully request that the FCC draft its rules to allow for technologies like ours to play a part in solving this critical problem; an all-of-the-above approach will be required to tackle the homework gap, and we're confident our technology can be part of the solution.

Sincerely,

Matt Perdew
CEO, Wind Talker Innovations

Signed Electronically