

McDonough Telephone Cooperative’s Demonstration of Ability to Function in Emergency Situations for Voice and Broadband Services:

McDonough Telephone Cooperative (“Company”) hereby certifies that it is able to function in emergency situations as set forth in the Code of Federal Regulations (CFR), Title 47, Part 54, Subpart C, §54.202(a)(2)¹ and Title 83, Chapter I, Sub-Chapter f, Section 730.325 of the Illinois Administrative Code (IAC). The Company’s network is designed to remain functional in emergency situations without an external power source, is able to change call routing translations as needed to reroute traffic around damaged facilities, and is capable of managing traffic spikes throughout the network resulting from emergency situations as required by CFR Section §54.202(a)(2).

Pursuant to IAC Section 730.325(a) Company informs its employees as to procedures to be followed in the event of an emergency in order to prevent or minimize interruption or impairment of telecommunications service.

Specifically, each central office building is supplied with standby generators and battery back-up that enable the central office to keep running until power is restored so long as fuel is available, or until system changes are made to reroute traffic. The Company’s standby generators and battery back-up support both voice and broadband network equipment, should an emergency situation occur.

¹ Section 54.202(a)(2) requires ETCs that are designated by the Commission to “demonstrate its ability to remain functional in emergency situations, including a demonstration that it has a reasonable amount of back-up power to ensure functionality without an external power source, is able to reroute traffic around damaged facilities, and is capable of managing traffic spikes resulting from emergency situations.”

Pursuant to IAC Section 730.325(b), each existing central office contains a reserve battery supply of, at least, three (3) hours battery supply; switching offices or equivalent without installed reserve battery supply have a minimum battery capacity of five (5) hours. Central office batteries are maintained in accordance with Institute of Electrical and Electronic Engineers (IEEE) standards as adopted in Section 730.340, and records verifying such maintenance are kept on site.

Pursuant to IAC Section 735.325(d), each of Company's central office buildings are equipped with emergency generator units with at least a 12-hour fuel supply.

Pursuant to IAC Section 730.325(e), emergency generator units are tested under load once a month, and a record of the test results are maintained by the Company.

The Company complies with the FCC's backup power requirements, effective October 16, 2015.

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