**639022PRDATA @CCESS COMMUNICATIONS, INC.**

**(610) Descriptive document for Functionality in Emergency Situations**

Under the requirements established in 47 C.F.R. §54.313 and as mandated in 47 C.F.R. §54.202, Data @ccess Communications, Inc. (“Data @ccess”) now submits its functionality Certification. Accordingly, will demonstrate its ability to remain functional in emergencies, including a demonstration that it has a reasonable amount of back-up power to ensure functionality in case of failure of the commercial power source, can reroute traffic around damaged facilities and is capable of managing traffic spikes resulting from an emergency.

Data @ccess has six locations[[1]](#footnote-1) strategically distributed around the island. Each location has its independent transmission equipment and transport facilities[[2]](#footnote-2), which provides independent and resilient capability to function in case of a failure in one or more sites. All routers and VoIP switches are configured to re-route traffic of an affected facility to avoid service interruption.

In the event of an emergency that affects all, or partial locations, Data @ccess’s locations are prepared with power back up, hardware and transport facilities that support continuous and resilient operation, as detailed hereunder:

* Power Generators - In the event of commercial power failure, Data @ccess has independent power generators available at each location to ensure it remains operational. In some locations, there are two or three units to provide resiliency, and there is an effort to install additional power generators in Caguas, Mayaguez, and Arecibo sites.[[3]](#footnote-3) The generators can remain operational between 10 hours up to two weeks, depending on the location capability. Also, Data @ccess owns a Diesel Truck available to supply the different locations 7/24/365, depending on demand. All company personnel is always available 24 x 7 in the event of an Emergency.

* Additional Power Backup- In the event of a power generator failure, all Data @ccess equipment has a minimum 4-5 hours UPS Backup to protect equipment and minimize service interruption.
* Fiber Network – Data @ccess currently has leased transport facilities from other carriers, providing between two and four additional fiber transport facilities in case any of them is damaged.[[4]](#footnote-4) These provide resiliency to transport capability. Also, Data @ccess has available in all its network 10Gb of Bandwidth capacity and is currently only using an average of 3Gb, providing an excellent additional capacity in case of traffic spikes.
* Alternative Wireless Network – Data @ccess also has installed a wireless network with fix wireless providers in all their customers and nodes locations, as the ultimate transmission alternative in case of an earthquake affects the multiple fiber networks.[[5]](#footnote-5)

Data @ccess is in a continuous process to evaluate the increase of the power generation capacity to further extend the power duration by acquiring additional or substituting generators in each site. And has plans to increase the fiber connections through other routes to reduce the exposure of failure due to fiber damage.

1. Please refer to the first Table in Attachment A. [↑](#footnote-ref-1)
2. Please refer to the column identified as Equipment in the second Table of Attachment A. [↑](#footnote-ref-2)
3. Please refer to Table 3 in Attachment A [↑](#footnote-ref-3)
4. Please refer to the Column identified as Fiber Facility in the second Table of Attachment A. [↑](#footnote-ref-4)
5. Please refer to the Column identified as Wireless Facility in second Table of Attachment A. [↑](#footnote-ref-5)