



## Communications Status Report for Areas Impacted by Hurricane Maria January 5, 2018

The following is a report on the status of communications services in geographic areas impacted by Hurricane Maria as of January 5, 2018 at 11:00 AM EDT. This report incorporates network outage data submitted by communications providers to the Federal Communications Commission's Disaster Information Reporting System (DIRS). DIRS is currently activated for all counties in Puerto Rico and the U.S. Virgin Islands. Note that the operational status of communications services after a disaster may evolve rapidly, and this report represents a snapshot in time. It should also be noted that some communications providers have not yet reported in DIRS, so outage information almost certainly is not complete.

The following counties are in the geographic area that was covered by the DIRS activation as of this morning (the "disaster area").

**Puerto Rico:** Adjuntas, Aguada, Aguadilla, Aguas Buenas, Aibonito, Anasco, Arecibo, Arroyo, Barceloneta, Barranquitas, Bayamon, Cabo Rojo, Caguas, Camuy, Canovanas, Carolina, Catano, Cayey, Ceiba, Ciales, Cidra, Coamo, Comerio, Corozal, Culebra, Dorado, Fajardo, Florida, Guanica, Guayama, Guayanilla, Guaynabo, Gurabo, Hatillo, Hormigueros, Humacao, Isabela, Jayuya, Juana Diaz, Juncos, Lajas, Lares, Las Marias, Las Piedras, Loiza, Luquillo, Manati, Maricao, Maunabo, Mayaguez, Moca, Morovis, Naguabo, Naranjito, Orocovis, Patillas, Penuelas, Ponce, Quebradillas, Rincon, Rio Grande, Sabana Grande, Salinas, San German, San Juan, San Lorenzo, San Sebastian, Santa Isabel, Toa Alta, Toa Baja, Trujillo Alto, Utuado, Vega Alta, Vega Baja, Vieques, Villalba, Yabucoa and Yauco

**U.S. Virgin Islands:** St. Croix, St. John, St. Thomas

### 911 Services

The Public Safety and Homeland Security Bureau (PSHSB) learns the status of each Public Safety Answering Point (PSAP) through the filings of 911 Service Providers in DIRS, reporting to the FCC's Public Safety Support Center (PSSC), coordination with state 911 Administrators, and, if necessary, from individual PSAPs.

Both PSAPs in Puerto Rico are reported as fully operational. In the U.S. Virgin Islands, both the St. Croix and the St. Thomas 9-1-1 Call Centers are reported as operational; Phase I and Phase II location information for wireless callers and Automatic Number and Location Information (ANI/ALI) for VoIP callers has been intermittently available.

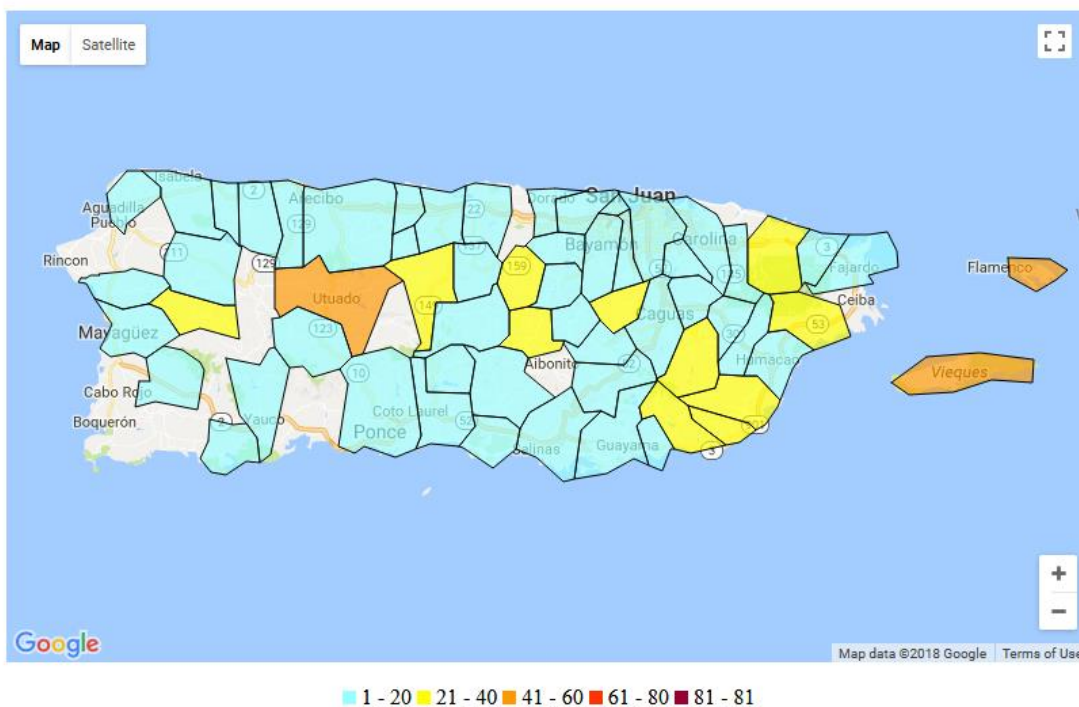
### Wireless Services

The following section describes the status of wireless communications services and restoration in the disaster area, including the percentage of cell sites out of service for each county.

The following map of the disaster area illustrates which counties in Puerto Rico are most affected:

## Percent Cell Sites Out-of-Service By County

1/5/2018 11:23:39 AM



The information shown was provided by the signatories to the Wireless Resiliency Cooperative Framework and several additional companies that agreed to allow us to include their data in the aggregated data:

**Puerto Rico:** 9.2% (slightly down from 9.5% Wednesday) of the cell sites are out of service. One county, Vieques, has greater than 50% of its cell sites out of service.

**U.S. Virgin Islands:** 17.9% (down from 18.8% Wednesday) of cell sites are out of service. 37.5% (same as Wednesday) of cell sites in St. John are out of service.



The tables below provide the percentage of cell sites out of service by county per state or territory.

**Puerto Rico:**

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out
PR	ADJUNTAS	10	2	20.0%
PR	AGUADA	18	0	0.0%
PR	AGUADILLA	48	1	2.1%
PR	AGUAS BUENAS	20	5	25.0%
PR	AIBONITO	21	0	0.0%
PR	ANASCO	15	1	6.7%
PR	ARECIBO	69	5	7.2%
PR	ARROYO	10	2	20.0%
PR	BARCELONETA	25	4	16.0%
PR	BARRANQUITAS	18	6	33.3%
PR	BAYAMON	154	19	12.3%
PR	CABO ROJO	51	0	0.0%
PR	CAGUAS	92	5	5.4%
PR	CAMUY	17	1	5.9%
PR	CANOVANAS	30	2	6.7%
PR	CAROLINA	130	7	5.4%
PR	CATANO	21	1	4.8%
PR	CAYEY	46	6	13.0%
PR	CEIBA	13	0	0.0%
PR	CIALES	14	4	28.6%
PR	CIDRA	27	5	18.5%
PR	COAMO	22	1	4.5%
PR	COMERIO	18	3	16.7%
PR	COROZAL	22	6	27.3%
PR	CULEBRA	9	4	44.4%
PR	DORADO	45	2	4.4%
PR	FAJARDO	36	6	16.7%
PR	FLORIDA	6	1	16.7%
PR	GUANICA	17	2	11.8%
PR	GUAYAMA	30	6	20.0%
PR	GUAYANILLA	10	0	0.0%
PR	GUAYNABO	99	3	3.0%



PR	GURABO	34	2	5.9%
PR	HATILLO	29	2	6.9%
PR	HORMIGUEROS	10	0	0.0%
PR	HUMACAO	44	8	18.2%
PR	ISABELA	35	6	17.1%
PR	JAYUYA	8	0	0.0%
PR	JUANA DIAZ	33	1	3.0%
PR	JUNCOS	23	1	4.3%
PR	LAJAS	19	0	0.0%
PR	LARES	16	0	0.0%
PR	LAS MARIAS	9	2	22.2%
PR	LAS PIEDRAS	19	3	15.8%
PR	LOIZA	13	0	0.0%
PR	LUQUILLO	13	2	15.4%
PR	MANATI	28	1	3.6%
PR	MARICAO	5	0	0.0%
PR	MAUNABO	12	3	25.0%
PR	MAYAGUEZ	68	1	1.5%
PR	MOCA	19	0	0.0%
PR	MOROVIS	21	3	14.3%
PR	NAGUABO	24	5	20.8%
PR	NARANJITO	23	3	13.0%
PR	OROCOVIS	15	2	13.3%
PR	PATILLAS	16	4	25.0%
PR	PENUELAS	19	0	0.0%
PR	PONCE	103	4	3.9%
PR	QUEBRADILLAS	20	2	10.0%
PR	RINCON	15	0	0.0%
PR	RIO GRANDE	43	10	23.3%
PR	SABANA GRANDE	14	0	0.0%
PR	SALINAS	29	1	3.4%
PR	SAN GERMAN	26	1	3.8%
PR	SAN JUAN	369	22	6.0%
PR	SAN LORENZO	22	5	22.7%
PR	SAN SEBASTIAN	21	1	4.8%
PR	SANTA ISABEL	18	1	5.6%
PR	TOA ALTA	43	3	7.0%
PR	TOA BAJA	54	1	1.9%



PR	TRUJILLO ALTO	47	6	12.8%
PR	UTUADO	21	9	42.9%
PR	VEGA ALTA	27	0	0.0%
PR	VEGA BAJA	34	4	11.8%
PR	VIEQUES	12	7	58.3%
PR	VILLALBA	9	1	11.1%
PR	YABUCOA	32	11	34.4%
PR	YAUCO	20	1	5.0%
<b>TOTAL</b>		<b>2,697</b>	<b>249</b>	<b>9.2%</b>

**U.S. Virgin Islands:**

State	Affected Counties	Cell Sites Served	Cell Sites Out	Percent Out
VI	ST. CROIX	45	9	20.0%
VI	ST. JOHN	8	3	37.5%
VI	ST. THOMAS	64	9	14.1%
<b>TOTAL</b>		<b>117</b>	<b>21</b>	<b>17.9%</b>

**Cable Systems and Wireline (Combined)**

Since there are widespread power outages in Puerto Rico and the U.S. Virgin Islands, the FCC has received reports that large percentages of consumers are without either cable services or wireline service. While the companies have been actively restoring service, the majority of their customers do not have service because commercial power is not yet available in their respective areas. In Puerto Rico, there are no major switches that are affected.

**Broadcast**

The following provides broadcast status based on data collected from DIRS input, FEMA reports, and FCC scans/outreach.<sup>1</sup>

Television stations status:

**Puerto Rico:** (no change from Wednesday)

<sup>1</sup> When broadcast stations are listed as “suspected to be out of service”, the statement is based on field scanning of relevant bands. Stations listed may be operating on reduced power or on a reduced schedule.



5 TV stations are confirmed operational (WKAQ, WIPR, WNJX, WTIN, WORO)

2 TV stations are suspected to be out of service (WIPM, WELU)

70 TV stations have been issued Special Temporary Authority to be offline

30 TV stations have unconfirmed status

**U.S. Virgin Islands:** (no change from Wednesday)

14 TV stations have been issued Special Temporary Authority to be offline

2 TV stations have unconfirmed status

AM Radio stations status:

**Puerto Rico:** (no change from Wednesday)

42 AM radio stations are confirmed operational (WA2X, WABA, WALO, WAPA, WBMJ, WCMN, WCGB, WCPR, WDEP, WENA, WEXS, WGD, WI2X, WI3X, WIAC, WIPR, WISO, WKAQ, WKFE, WKJB, WKUM, WLEO, WLEY, WMDD, WMNT, WMSW, WOIZ, WOQI, WORA, WPAB, WPPC, WPRA, WPRP, WSKN, WSOL, WTIL, WUNO, WUPR, WVJP, WXEW, WYEL)

8 AM radio stations are suspected to be out of service (W227, WJDZ, WNVE, WVQR, WYAS, WZCA, WZMT, WZOL)

21 AM radio stations are confirmed out of service by the Puerto Rican Broadcast Association (WBQN, WCMA, WDNO, WEGA, WFAB, WGIT, WHOY, WIBS, WIDA, WISA, WIVV, WJIT, WKVM, WLRP, WNEL, WNIK, WOLA, WOSO, WQBS, WRSJ, WUKQ)

1 AM radio station has unconfirmed status

2 AM radio stations have been issued Special Temporary Authority to be offline

**U.S. Virgin Islands:** (no change from Wednesday)

2 AM radio stations are confirmed operational (WSTA, WUVI)

2 AM radio stations are suspected to be out of service (WDHP, WSTX)



1 AM radio station has unconfirmed status

FM Radio stations status:

**Puerto Rico:** (no change from Wednesday)

55 FM radio stations are confirmed operational (WAEL-FM, WCAD, WCMN-FM, WCMN-FM3, WCMN-FM6, WEGM, WERR, WERR-FM1, WERR-FM2, WERR-FM3, WFDT, WFID, WIDI, WIRI, WIVA-FM, WKAQ-FM, WKAQ-FM1, WKAQ-FM2, WLUZ, WMAA-LP, WMEG, WMIO, WNNV, WNRT, WNRT-FM1, WNRT-FM2, WNVN, WODA, WORO, WOYE, WPRM-FM, WPUC-FM, WPUC-FM1, WQML, WRIO, WRRH, WRTU, WRXD, WTOK-FM, WTOK-FM2, WTPM, WTPM-FM1, WVDJ-LP, WVIE, WVIS, WVJP-FM, WVJP-FM2, WXYX, WXYX-FM1, WXYX-FM2, WZAR, WZIN, WZNT, WZNT-FM1, WZOL)

8 FM radio stations are suspected to be out of service (W227CV, WJDZ, WNVE, WVQR, WYAS, WZCA, WZMT, WZOL-FM3)

17 FM radio stations are confirmed out of service by the Puerto Rican Broadcast Association (WCAD-FM1, WCAD-FM2, WCRP, WELX, WIDA-FM, WIOA, WIOA-FM1, WIOC, WNIK-FM, WQBS-FM, WQBS-FM1, WUKQ-FM, WUKQ-FM1, WXHD, WXLX, WYQE, WZET)

3 FM stations have been issued Special Temporary Authority to be offline

28 FM radio stations have unconfirmed status

**U.S. Virgin Islands:** (no change from Wednesday)

2 FM radio stations are confirmed operational (WVIE, WZIN)

1 FM radio station is suspected to be out of service (WVIZ)

1 FM radio station has been issued Special Temporary Authority to be offline

19 FM radio stations have unconfirmed status