

Kim Reynolds
Governor
Adam Gregg
Lt. Governor



Department of Public Safety

Stephan Bayens
Commissioner

September 12, 2022

Ref. AON 29C20 Allocation Request ref. 7-11-22 Kossuth ISICS Communication Tower Path Misalignment due to high winds from storm.

State of Iowa Executive Council:

During the 7-26-22 Bi-weekly Motorola Warranty Update Conference Call, Dave Gordon, Motorola Customer Support Manager, advised that high winds produced from a 7-11-22 storm caused the Kossuth ISICS Communication Tower to become misaligned. This misalignment impacts the micro wave path's ability to communicate with surrounding towers. On 7-26-22, an initial 29C20 notification was sent to the Executive Council this Act of Nature (AON) Damage to the Kossuth ISICS tower site (See attached email).

On 8-17-22, Motorola provided a repair estimate regarding the damage sustained. The estimated cost to repair this damage is \$16,429.00. Repairs will commence when tower crews become available.

The DPS Interoperability and Communications Bureau is respectfully submitting a 29C20 Allocation Request for \$16,429.00 regarding this AON damage.

Thank you for your consideration.

Sincerely,

Captain Richard Pierce
Bureau Chief
Iowa DPS Communications & Interoperability Bureau
Office of the Commissioner
215 E. 7th Street
Des Moines, Ia 50319

Newton, Victoria [TOS]

From: Pierce Richard <pierce@dps.state.ia.us>
Sent: Tuesday, July 26, 2022 6:57 PM
To: Hollingsworth, Tammy [AOS]; ExecutiveCouncil [TOS]
Cc: Duden Joshua; Dostal Sandra
Subject: 7-26-22 29C20 Notifications AON - Radome damage & Path Alignment at multiple sites

Tammy & Executive Council

During the bi-weekly Motorola Warranty Conference call, Dave Gordon, Motorola Customer Support Manager, advised their work crews reported the below listed damages to radome covers and path alignments at multiple towers sites due to blowing debris and high winds from recent storms.

7-11-22 **Kossuth ISICS Tower** – Microwave path blown out of alignment due to high winds from storm.
7-11-22 & 7-14-22 **Denison ISICS Tower** – Microwave path blown out of alignment due to high winds from storm & broken radome cover from flying debris.
7-13-22 **Tama ISICS Tower** – Microwave path blown out of alignment due to high winds from storm.
7-19-22 **Brooklyn ISICS Tower** - Broken radome cover from flying debris.
7-21-22 **Atlantic ISICS Tower** - Broken radome cover from flying debris.
7-23-22 **Kossuth ISICS Tower** - Microwave path blown out of alignment due to high winds from storm.
7-23-22 **Allamakee ISICS Tower** - Microwave path blown out of alignment due to high winds from storm.

Please accept this email as the initial notification of 29C20 damage due to acts of nature to DPS Interoperability Communication Towers.

Captain Richard Pierce

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Email: pierce@dps.state.ia.us

From: Dave Gordon <dave.gordon@motorolasolutions.com>
Sent: Tuesday, July 26, 2022 2:36 PM
To: Pierce Richard <pierce@dps.state.ia.us>
Cc: ISICSAdmin <isicsadmin@dps.state.ia.us>; Steven Pyle <steve.pyle@motorolasolutions.com>; Chad Gappa <chad.gappa@motorolasolutions.com>; DAVID GORDON <dave.gordon@motorolasolutions.com>
Subject: ** External Email Alert ** Recent Storm Damage Reports

****External Email Alert**** This email is from outside DPS. **DO NOT CLICK** links or attachments unless you expected them. If unsure please forward to ITOC@dps.state.ia.us for review.

Good Morning Captain,

Here is the list that we discussed on today's call for recent reports of storm damage at ISICS sites.

Broken Radomes

Atlantic 7-21

Brooklyn 7-19

Denison 7-14

Tama 7-13

Microwave Path Alignment Issues

Allamakee to Clayton 7-23

Buchanon to Benton 7-23

Kossuth to Palo Alto 7-11

Denison to Shelby 7-11

Please let me know if you have any questions.

Thanks,

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Dave Gordon
Customer Support Manager
Motorola Solutions, Inc.
State of Iowa

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29C20 and FEMA Request Tracking Spreadsheet

Date of Event	AON Event Description & Property Damaged	29C20 and/or FEMA	Initial Notification	Meet \$2K Threshold	29C20 Cancelled	Initial Repair Estimate	Allocation Request Sent	Final Invoice cost	Reimbursement claim - Date Sent	FEMA RPA submitted	FEMA Funds Reimbursed	29C20 Funds Reimbursed	OPS Cost Unit	Notes
3/10/2021	Cedar Rapids (Old DPS Lea Tower) - strong wind broke tower cable	29C20	3/11/2021	Yes	NA	\$6,576.00	4/26/2021	\$6,576.00	7/23/2021	NA	NA	12/13/2021	4520	Combined into one claim (3-10 & 3-29 AON Events)
3/29/2021	Cedar Rapids (Old DPS Lea Tower) - strong wind broke tower cable	29C20	3/29/2021	Yes	NA	\$3,266.00	4/26/2021	\$3,266.00	7/23/2021	NA	NA	12/13/2021	4520	Total combined claim: \$9,842.00
9/7/2021	Waterloo ISICS Tower - Replace Light System due to AON	29C20	11/5/2021	Yes	NA	\$53,486.54	12/29/2021	\$54,517.72	4/7/2022	NA	NA	5/16/2022	4529	1-19-22 Light system invoice - \$22,433.34, 4-4-22 Installation invoice - \$32,084.38 (National Tower Controls)
10/26/2021	Palo Alto ISICS Tower Damage - Lightning strike to top beacon	29C20	12/16/2021	Yes	NA	\$10,598.00	12/29/2021	\$10,598.00	3/8/2022	NA	NA	4/4/2022	4529	Was not notified by Motorola until 12-16-21
12/15/2021	Statewide Detercho - Wind damage to Multiple ISICS Towers	29C20 & FEMA	12/16/2021	Yes	NA	\$404,601.13	3/8/2022	\$387,527.91	4/12/2022	3/22/2022	8/5/2022		4529	Wittenwyler advised submit 29C20 & FEMA Grant application for general fund reimbursement
1/12/2022	Statewide Detercho - Gundersen DPS Tower, Broken lower Guy Wire	29C20	12/16/2021	Yes	NA	\$6,801.00	3/8/2022	\$6,801.00	3/8/2022	NA	NA		4520	Allocation & Reimbursement Claim made on same date.
2/3/2022	Mason City ISICS Tower Beacon Failure - Possible AON	29C20	2/4/2022	Unknown		\$10,598.00				NA	NA			AON top beacon determination pending. Awaiting damage & lights
2/21/2022	Kossuth ISICS Tower Beacon Failure - Possible AON	29C20	2/21/2022	Unknown		\$10,598.00				NA	NA			AON determination pending
2/23/2022	Fayette ISICS Tower Beacon Failure - Possible AON	29C20	2/24/2022	Unknown		\$10,598.00				NA	NA			AON determination pending
3/5/2022	Keosauqua ISICS Tower - Tornado damage to Radome Cover	29C20	4/5/2021	Yes		\$8,722.00	8/8/2022			NA	NA		4529	Covered under the initial reporting of Lucas damage. Confirmed on 4-5-22 & followup notification made
3/5/2022	Lucas ISICS Tower - direct hit by EF-3 Tornado	29C20	3/5/2022	Yes		\$44,534.76	3/17/2022			NA	NA		4529	4-11-22 Lucas & Keosauqua damage threshold not qualify for FEMA Reimbursement
3/25/2022	Rockwell City ISICS Tower - Broken Radome	29C20	3/26/2022	Yes		\$8,722.00	8/8/2022			NA	NA		4529	Radome damaged
3/28/2022	Zwingle ISICS Tower Beacon Failure - Possible AON	29C20	3/28/2022	Unknown		\$10,598.00				NA	NA			AON determination pending
3/28/2022	Clinton ISICS Tower Beacon Failure - Possible AON	29C20	3/28/2022	Unknown		\$10,598.00				NA	NA			AON determination pending
3/28/2022	Beaman ISICS Tower Beacon Failure - Possible AON	29C20	3/28/2022	Unknown		\$10,598.00				NA	NA			AON determination pending
3/28/2022	Grundy ISICS Tower Beacon Failure - Possible AON	29C20	3/28/2022	Unknown		\$10,598.00				NA	NA			AON determination pending
4/5/2022	Woodward ISICS Tower - Radome damage from debris	29C20	4/5/2022	Yes		\$8,722.00	8/8/2022			NA	NA		4529	MotoWork crew discovered on 4-4-22, rpted during 4-5-22 Moto wkly call. Estimated occurrence end of March.
4/12/2022	Mason City ISICS Tower - Broken Radome & Antenna damage AON	29C20	4/13/2022	Yes		\$97,506.00				NA	NA		4529	NWS Predicted Severe Storm with highwinds covering wide area of Iowa over night 4-12-22
4/12/2022	Knoxlin ISICS Tower - Antenna Alignment - Possible AON	29C20	4/13/2022	Unknown		\$15,286.00				NA	NA		4529	NWS Predicted Severe Storm with highwinds covering wide area of Iowa over night 4-12-22
4/12/2022	Storm Lake ISICS Tower - Broken Radome AON	29C20	4/21/2022	Yes		\$8,722.00	8/8/2022			NA	NA		4529	NWS Predicted Severe Storm with highwinds on 4-12-22. Observed during site inspection on 4-20-22
5/1/2022	Marshalltown to Grundy ISICS tower - Path alignment AON	29C20	5/3/2022	yes		\$16,429.00	8/8/2022			NA	NA			Strong winds moved dishes affecting path alignment
5/16/2022	Winnebago ISICS Tower Beacon Failure - Possible AON	29C20	5/17/2022	Unknown		\$10,598.00				NA	NA			AON determination pending
6/3/2022	Bremor ISICS Tower Beacon Failure - Possible AON	29C20	6/3/2022	Unknown		\$10,598.00				NA	NA			AON determination pending
6/25/2022	Jones ISICS Tower - Lightning Strike & Windstorm Damage AON	29C20	6/25/2022	Yes		\$106,304.00				NA	NA		4529	Severe strike. CMU for top amp, LP tank sensor, 4 ODU's and 4 RAC cards damaged. Dishes out of alignment.
6/25/2022	Cedar Rapids ISICS Tower Windstorm AON Damage - Dish misaligned	29C20	6/25/2022	Cancelled	7/26/2022	NA	NA	NA	NA	NA	NA	NA	4529	7-26-22 Motorola advised an inspection of the site revealed the dish was not misaligned as suspected.
6/25/2022	Maquoketa ISICS Tower Windstorm AON Damage - Dish misaligned	29C20	6/25/2022	Cancelled	7/26/2022	NA	NA	NA	NA	NA	NA	NA	4529	7-26-22 Motorola advised an inspection of the site revealed the dish was not misaligned as suspected.
7/11/2022	Denison ISICS Tower - Path alignment & Broken Radome AON	29C20	7/26/2022	Yes		\$8,722.00				NA	NA		4529	Discussed concern regarding why the dishes are misaligning when they are rated to withstand high speed wind
7/11/2022	Kossuth ISICS Tower - Path alignment AON	29C20	7/26/2022	Yes		\$16,429.00				NA	NA		4529	Discussed concern regarding why the dishes are misaligning when they are rated to withstand high speed wind
7/13/2022	Sisau ISICS Tower - AON Misc Damage Generator Wiring	29C20	7/13/2022	Unknown		\$15,178.00				NA	NA		4529	Misc chewed up the wiring to the tower generator. Extensive repairs need to get it to work.
7/13/2022	Tama ISICS Tower - Radome damage from storm debris	29C20	7/26/2022	Yes		\$8,722.00				NA	NA		4529	Issue discussed reference radome covers sustaining damage that is below the rated windspeed
7/19/2022	Brooklyn ISICS Tower - Radome damage from storm debris	29C20	7/26/2022	Yes		\$8,722.00				NA	NA		4529	Issue discussed reference radome covers sustaining damage that is below the rated windspeed
7/21/2022	Atlantic ISICS Tower - Radome damage from storm debris	29C20	7/26/2022	Yes		\$8,722.00				NA	NA		4529	Issue discussed reference radome covers sustaining damage that is below the rated windspeed
7/23/2022	Alamake ISICS Tower - Path alignment AON	29C20	7/26/2022	Yes		\$16,429.00				NA	NA		4529	7-23-22 Storm with 85 mph winds in NE Iowa caused misalignment of path. Rpted on 7-26-22 warranty call.
7/23/2022	Buchanan ISICS Tower - Path alignment AON	29C20	7/26/2022	Yes		\$16,429.00				NA	NA		4529	Discussed concern regarding why the dishes are misaligning when they are rated to withstand high speed wind

DG added estimates on 8-16

DG updated estimates on 8-16