

Kauai County E9-1-1 Status Report

May 1, 2019 – May 31, 2019



AKIMEKA | HIGH PRIORITY. HIGH IMPACT.

Kauai County E9-1-1 Status Report

May 1, 2019 - May 31, 2019

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1. PSAP OPERATIONS

9-1-1 CALL VOLUME – MAY 2019

(Source :) West Safety Services Viper system

9-1-1 Call Volume																	
KAUAI PSAP		Wireline		Wireless				VOIP		Calls With No ALI		Admin Calls		Abandoned Calls		Other Calls	
2019	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other	% of Total Calls
MAY	4,986	514	10.31%	3,600	72.20%	44.86%	55.14%	184	3.69%	0	0.00%	0	0.00%	688	13.80%	0	0.00%

9-1-1 CALL VOLUME – CALENDAR YEAR 2019

9-1-1 Call Volume																	
KAUAI PSAP		Wireline		Wireless				VOIP		Calls with No ALI		Admin Calls		Abandoned Calls		Other Calls	
2019	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other	% of Total Calls
JAN	4,314	496	11.50%	3,252	75.38%	40.10%	59.90%	145	3.36%	2	0.05%	0	0.00%	419	9.71%	0	0.00%
FEB	4,718	466	9.88%	3,414	72.36%	42.24%	57.76%	176	3.73%	3	0.06%	0	0.00%	659	13.97%	0	0.00%
MAR	4,931	521	10.57%	3,539	71.77%	43.15%	56.85%	158	3.20%	1	0.02%	0	0.00%	712	14.44%	0	0.00%
APR	4,867	550	11.30%	3,466	71.21%	46.05%	53.95%	189	3.88%	0	0.00%	0	0.00%	662	13.60%	0	0.00%
MAY	4,986	514	10.31%	3,600	72.20%	44.86%	55.14%	184	3.69%	0	0.00%	0	0.00%	688	13.80%	0	0.00%
JUNE																	
JULY																	
AUG																	
SEPT																	
OCT																	
NOV																	
DEC																	
YTD	23,816	2,547		17,271				852		6		0		3,140		0	
MON AVG	4,763	509	10.71%	3,454	72.59%	43.28%	56.72%	170	3.57%	1	0.03%	0	0.00%	628	13.10%	0	0.00%

PSAP OPERATION NOTES:

- Abandoned Calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered. Dropped Calls are hang ups after transfers.
- Abandoned Calls are included in the total Wireline and Wireless counts respectively.
- All VoIP (Voice over Internet Protocol) type of 911 calls is combined in the Call Volume statistic.
- 911 Calls with No Ali for May 2019 = 0.00% - Statewide average for 2018 = 0.09%

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FOR YOUR INFORMATION

FYI.....For Your Information								
PSAP Operations								
Statewide 911 Call Volumes								
PSAP	2018		2017		2016		2015	
Oahu Civilian	1,034,190	70.62%	1,022,818	72.16%	1,009,059	71.93%	1,019,402	70.94%
RDC Pearl Harbor	37,068	2.53%	27,916	1.97%	N/A	N/A	N/A	N/A
Hawaii County	206,648	14.11%	193,166	13.62%	205,412	14.64%	217,768	15.15%
Maui County	133,869	9.14%	123,685	8.73%	137,333	9.80%	142,952	9.95%
Kauai County	52,623	3.60%	49,902	3.52%	50,955	3.63%	56,874	3.96%
Total	1,464,398	100.00%	1,417,487	100.00%	1,402,759	100.00%	1,436,996	100.00%
<small>*2016 & 2015 Statewide average does not include Military 911 calls</small>								

TEXT TO 911 – CURRENT MONTH – MAY 2019

TEXT TO 911 Kauai County 2019	
Month	Total received
January	11
February	18
March	4
April	10
May	3
June	
July	
August	
September	
October	
November	
December	
YTD	46
Monthly Avg.	9.2

NOTE:

- Although there is a “Text to 911” plot on the MapFlex, the location of the plot is not reliable. Text to 911 Dispatchers should use their skills to ascertain the exact location of the emergency response.

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WIRELESS PSAP TESTING – MAY 2019

KAUAI COUNTY - MAY 2019						
Date	WSP	Sites Tested	Sectors Tested	Tested By:	Test Pass/Fail	Comments:

NOTES:

- There were no (0) scheduled Wireless 911 tests for the month of May 2019.
- Verizon Wireless has completed migrating their Wireless network database from West to ComTech.
- During the 4th quarter of 2018, there was an increasing amount of “MOBL” class of service type of 911 calls delivered to the State of Hawaii PSAPs. On January 15th, 2019, West completed the position source mapping for ComTech which appears to have resolved this issue.

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2. MSAG (MASTER STREET ADDRESS GUIDE)

MSAG TRANSACTIONS CURRENT MONTH/YEAR – MAY 2019

KAUAI COUNTY	9-1-1 TRANSACTIONS								Customer Addresses Affected
	Total	Dispatchable Location Transactions Submitted	MSAG	ALI Submitted		Open ALI Discrepancy Records			
		DL (A)	MSAG (B)	TN CR (C)	ALI DR (D)	TNCR	ALI DR	VoIP DR	
2019									
JANUARY	103	96	6	0	1	19	0	0	87
FEBRUARY	3	1	2	0	0	18	0	0	0
MARCH	52	52	0	0	0	59	0	0	0
APRIL	248	245	2	0	1	259	0	0	17
MAY	94	90	4	0	0	121	0	0	93
JUNE									
JULY									
AUGUST									
SEPTEMBER									
OCTOBER									
NOVEMBER									
DECEMBER									
TOTAL YTD	500	484	14	0	2				197
AVG PER MONTH	100	97	3	0	0				39

Definitions

- (A) **Dispatchable Location** - is defined in the FCC 15-9 Docket as the verified or corroborated street address of the calling party plus additional information such as floor, suite, apartment or similar information that may be needed to adequately identify the location of the calling party. Please see Dispatchable Location Section for more information.
- (B) **Master Street Address Guide** - Represents corrections made to street records including, street names, address ranges, MSAG Communities and ESNs.
- (C) **Telephone Number Change Request** - Represents address corrections on a specific TN or group of TNs. These "invalid" TNs usually have an associated ESN 499 attached to them which indicates the need for validation.
- (D) **Automatic Location Information Discrepancy Record** - Represents an address discrepancy discovered during a live 9-1-1 call, from a landline OR a VoIP phone. These record corrections are treated with a higher priority and should be processed within 48 hours if wireline, and 72 hours if a VoIP phone, as a general guideline.

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MSAG CURRENT MONTH NOTES:

A total of ninety four (94) MSAG transactions were processed in 9-1-1 Net during the current month. Four (4) requests were processed relating to the MSAG database. Changes include: changes to high – low street ranges, combining street records, deletion of invalid records, splitting street records to align with Police, Fire, EMS, and inserting new MSAG records.

TELEPHONE RECORD (ALI) TRANSACTIONS CURRENT MONTH NOTES:

Akimeka processed one hundred-one (101) TN CRs related to the Dispatchable Location Project during the current month.

OPEN TELEPHONE RECORD (ALI) DISCREPANCY STATUS:

- **There are currently 121 Open TN CRs.**

121 Open TN CR transactions are a result of the Dispatchable Location project. Once a telephone number is submitted to West for correction, it must be verified against HT records and/or approved by the customer. West's internal process requires calling each telephone customer individually for approval to update an address in the 9-1-1 database.

- **There are currently no Open ALI-DRs as of May 31, 2019**
- **There are currently no Open VoIP DRs May 31, 2019**

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TNCR (TELEPHONE NUMBER CHANGE REQUEST) CURRENT STATUS – MAY, 2019

NOTE:

- 9-1-1 NET is a secure web-based application that provides access to request changes to the MSAG, ALI, TN, and ESN/ELT data supported and maintained by West Safety Services for the Telephone Company (TelCo).
- TNCRs are not requests to change Telephone Numbers (TNs); however, it is a corrective process within 9-1-1 NET to modify location information associated with an Automatic Location Identification (ALI) record to a valid MSAG address for 9-1-1 purposes.

PSAP 9-1-1 Telephone Number Location Change Request (Telephone Number Change Request (TNCR) Status)				
PSAP	TOTAL TNCR RECORDS SUBMITTED BY AKIMEKA	OPENED TNCRS PENDING FURTHER ACTION BY WEST SAFETY SERVICES	OPENED TNCRS REFERRED TO TELCO BY WEST SAFETY SERVICES	TOTAL UNOPENED TNCR RECORDS
KAUAI	121	0	16	105

STATUS
<u>TOTAL TNCRs SUBMITTED</u> - The total number of TNCR requests for modification that have been submitted in 9-1-1
<u>PENDING STATUS</u> - TNCRs assigned this status are requests which have been reviewed by the 9-1-1 Database Service Provider Data Analyst, and are pending investigation whether the request is valid or invalid, and/or whether the request requires additional information to validate.
<u>REFERRED STATUS</u> - TNCRs assigned this status are requests which have been reviewed by the 9-1-1 Database Service Provider Data Analyst, and the request requires additional information to validate. The West Safety Services Data Analysts assigns this status to a TNCR and the request is referred to the telephone service providers for further research.
<u>TOTAL UNOPENED TNCR RECORDS STATUS</u> - The request is submitted by Akimeka on behalf the PSAP; however, processing by the 9-1-1 Database Service Provider Data Analyst has not begun.

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DISPATCHABLE LOCATION – STATUS AS OF – MAY 2019

NARRATIVE:

During the August 2015 State of Hawaii 911 Board meeting, Akimeka provided a “State of Hawaii PSAPs Proposed ALI Compliancy with FCC 15-9” presentation. Based on the 9-1-1 Board’s confirmation to add the “Dispatchable Location” information into the ALI database, Akimeka researched the format standards of each pertinent field, and tested the delivery of the data to the PSAP. After a few configuration adjustments (eliminating the TelCo comments field from appearing on the ALI Screen), Akimeka standardized an additional information data format to proceed with this project.

During the month of August 2015, Akimeka started a pilot project, entering additional location information to a verified MSAG address with multiple telephone numbers. Specifically the **Kukui Grove Center at 302600 Kaumualii Hwy, Lihue**. The “Dispatchable Location” data is entered into the “Driving Directions” field in the 9-1-1 Net system, and will display on the Viper Power 911 ALI Screen in the “Exact” field should a 911 call be received from that telephone number. **90** transactions were submitted and **101** transaction were processed by West in May 2019.

Dispatchable Location			
2019	Common Name Place MSAG Address	TNCR Transactions Submitted	Transactions Processed
Quarter 2			
Quarter 1 Carryover		3,468	3,238
April	All Saints Preschool, 401065 Kuhio Hwy, Kappa	0	1
	Hanapepe Library, 4490 Kona Rd, Hanapepe	0	3
	Hoola Lahui Hawaii, 4800 Kawaihau Rd, Kapaa	0	19
	Hotel Coral Reef, 401516 Kuhio Hwy, Kappa	0	8
	Hanalei Inn, 505468 Kuhio Hwy, Hanalei	0	1
	Harbor Mall, 3501 Rice St, Nawiliwili	24	0
	Kalaheo School, 4400 Maka Rd, Kalaheo	12	0
	Kauai Community College, 301901 Kaumualii Hwy, Puhi	206	0
	Ching Young Village, 505190 Kuhio Hwy, Hanalei	3	0
May	Harbor Mall, 3501 Rice St, Nawiliwili	0	23
	Kauai Community College, 301901 Kaumualii Hwy, Puhi	0	78
	Waimea Public Library, 9750 Kaumualii Hwy, Waimea	4	0
	Tutu and Me Preschool, 313 Lanakila Rd, Wailua	3	0
	Kapaa Middle School, 4867 Olohena Rd, Kapaa	19	0
	Kaumakani NBH Center, 2201 Kaumakani Rd, Kaumakani	14	0
	St Theresa Preschool, 8311 Kaumualii Hwy, Kekaha	4	0
	Kauai Christian Acadmey 4000 Kilauea Rd, Kilauea	5	0
	Princeville Resort, 5520 Ka Haku Rd, Princeville	41	0
June			
Quarter 2 Total		335	133
Total		3,803	3,371

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SPECTRUM (CHARTER) 9-1-1 VOIP DATABASE VERIFICATION PROJECT - MAY 2019

Akimeka received the Automatic Location Identification (ALI) records from Spectrum (formally known as Charter Communications) which is the predominant Voice over Internet Protocol (VoIP) provider in the State of Hawaii. As Akimeka has access to these ALI Records, Akimeka is researching and verifying the VoIP records against an MSAG valid address and the GIS data. This research is a validation of the ALI Record to ensure that the location as provided by the VoIP provider matches the GIS Information utilized by the Public Safety Agencies within their specific County 9-1-1 Service Area. This validation reduces the potential of address or location dispute during a 9-1-1 call.

The analysis of the database records indicates that there are invalid MSAG addresses utilized by the VoIP Provider. These records are being identified, and will be sent back to Spectrum for corrective action.

*Spectrum (Charter) 9-1-1 VoIP Database Verification Project					
PSAP	TOTAL RECORDS SUBMITTED BY SPECTRUM (A)	TOTAL RECORDS MATCHING & VERIFIED WITH 911 DATABASES (B)	TOTAL RECORDS NOT MATCHING	NON MATCHING RECORDS CORRECTED BY AKIMEKA (C)	PERCENT COMPLETED
HAWAII County	22,044	21,638 (98%)	406	406	100.00%
KAUAI County	8,936	8,695 (97%)	241	241	100.00%
MAUI County	18,256	17,517 (96%)	739	739	100.00%
OAHU Civilian	87,414	85,329 (98%)	2,085	2,085	100.00%
OAHU Military	3,663	710 (19%)	2,953	2,953	100.00%
TOTAL	140,313	**133,889	6,424	6,424	100.00%

* Spectrum VoIP Database received on June 21st, 2017

** Akimeka provided VoIP Records with Latitude/Longitude coordinates

(A)	VoIP Database records submitted by Spectrum to Akimeka for research and MSAG address validation.
(B)	Akimeka has researched and verified the VoIP record against an MSAG valid address and GIS data. Akimeka is tracking corrections needed to be performed by Spectrum. Addressing data will be updated or added in the GIS if the VoIP record is determined to be valid.
(C)	Verification Process Completed.

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BANDWIDTH 9-1-1 VOIP DATABASE VERIFICATION PROJECT – MAY 2019

Akimeka received the Automatic Location Identification (ALI) records from Bandwidth which is a Voice over Internet Protocol (VoIP) provider in the State of Hawaii. As Akimeka has access to these ALI Records, Akimeka researched and verified the VoIP records against an MSAG valid address and the GIS data. This research is a validation of the ALI Record to ensure that the location as provided by the VoIP provider matches the GIS Information utilized by the Public Safety Agencies within their specific County 9-1-1 Service Area. This validation reduces the potential of address or location dispute during a 9-1-1 call.

The analysis of the database records indicates that there were invalid MSAG addresses utilized by the VoIP Provider. These records were identified, and sent back to Bandwidth for corrective action.

Akimeka will update the chart below as we receive updated ALI records from Bandwidth.

*Bandwidth					
9-1-1 VoIP Database Verification Project **(Updated)					
PSAP	TOTAL RECORDS SUBMITTED BY BANDWIDTH (A)	TOTAL NEW RECORDS VERIFIED WITH 911 DATABASES (B)	TOTAL RECORDS NOT MATCHING	NON MATCHING RECORDS CORRECTED BY AKIMEKA (C)	PERCENT COMPLETED
HAWAII County	545	85	0	0	100.00%
KAUAI County	306	41	0	0	100.00%
MAUI County	914	222	1	1	100.00%
OAHU Civilian	4,065	888	1	1	100.00%
OAHU Military	56	7	0	0	100.00%
TOTAL	5,886	1,243	2	2	100.00%

***Bandwidth VoIP Database received on April 5th, 2018**

****Updated Bandwidth VoIP Database received on September 6th, 2018**

(A)	VoIP Database records submitted by Bandwidth to Akimeka for research and MSAG address validation.
(B)	Akimeka has researched and verified the VoIP record against an MSAG valid address and GIS data. Akimeka is tracking corrections needed to be performed by Bandwidth. Addressing data will be updated or added in the GIS if the VoIP record is determined to be valid.
(C)	Verification Process Completed.

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3. GEOGRAPHIC INFORMATION SYSTEM (GIS) – MAY 2019

MAPPING LAYERS UPDATED (PART I)

The 9-1-1 GIS layers provided by Akimeka to the PSAP are designed for use on E9-1-1 and NG9-1-1 systems.

KAUAI COUNTY		
Type of Layer	Akimeka GIS Server	GIS Delivery Dates/Remarks
	Date Created/ Edits Performed	
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)		
Address Points	5/23/19 To 5/31/19	Next Delivery 6/6/2019
		Added intermediate mile post marker for fourteen (14) records in Kalihiwai
		Added intermediate mile post marker for thirty-four (34) records in Princeville
		Added intermediate mile post marker for sixty-three (63) records in Koloa
		Corrected routingID for three (3) records in Lawai
		Added intermediate mile post marker for forty-four (44) records in Lawai
		Added intermediate mile post marker for thirty-five (35) records in Kalaheo
		Added intermediate mile post marker for twenty-five (25) records in Anahola
		Added intermediate mile post marker for thirty (30) records in Haena
		Added intermediate mile post marker for seventy-eight (78) records in Waimea
		Added intermediate mile post marker for thirty-four (34) records in Mana
		Corrected routingID for twelve (12) records in Kalaheo
		Added intermediate mile post marker for forty-five (45) records in Kilauea
		Added intermediate mile post marker for thirty (30) records in Moloaa
		Added intermediate mile post marker for six (6) records in Kaumakani
		Added routingID for one (1) record in Princeville
		Corrected routingID for sixty-eight (68) records in Omao
		Added intermediate mile post marker for twenty (20) records in Pakala
		Added intermediate mile post marker for twenty (20) records in Hanalei
		Added intermediate mile post marker for sixteen (16) records in Puhi
		Added Alias1 for two (2) records in Moloaa
		Added intermediate mile post marker for sixty-one (61) records in Hanamaulu
		Verified address for ten (10) records in Hanamaulu
		Corrected routingID for seventeen (17) records in Princeville
		Verified address for one (1) record in Princeville
		Corrected routingID for one (1) record in Nawiliwili
		Added intermediate mile post marker for nine (9) records in Kapaia
		Added Alias1 for one (1) record in Moloaa
		Added intermediate mile post marker for fifty-two (52) records in Eleele
		Added intermediate mile post marker for twenty-six (26) records in Kealia
		Added intermediate mile post marker for fifty (50) records in Kapaa
		Added intermediate mile post marker for ninety-four (94) records in Wailua
Added intermediate mile post marker for thirteen (13) records in Waipouli		

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MAPPING LAYERS UPDATED (PART II)

The 9-1-1 GIS layers provided by Akimeka to the PSAP are designed for use on E9-1-1 and NG9-1-1 systems.

KAUAI COUNTY		
Type of Layer	Akimeka GIS Server	GIS Delivery Dates/Remarks
	Date Created/ Edits Performed	
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)		
Address Points	5/23/19 To 5/31/19	Added intermediate mile post marker for twelve (12) records in Olokele
		Added intermediate mile post marker for twenty-one (21) records in Omao
		Spatially corrected one (1) record in Kapaia
		Added intermediate mile post marker for thirty-nine (39) records in Kekaha
		Corrected routingID for forty-three (43) records in Kilauea
		Added intermediate mile post marker for fourteen (14) records in Nawiliwili
		Added loc name for one (1) record in Hanalei
		Added intermediate mile post marker for fifty (50) records in Lihue
		Added TMK for one (1) record in Hanamaulu
		Added TMK for one (1) record in Moloaa
		Added intermediate mile post marker for nineteen (19) records in Hanapepe
		Spatially corrected two hundred and seventy-seven (277) records in Hanamaulu
		Added intermediate mile post marker for one hundred and twelve (112) records in Kokee
	Added intermediate mile post marker for twenty-nine (29) records in Wainiha	
		Delivered 5/23/2019
5/9/19 To 5/22/19	Spatially corrected one hundred and seventy-nine (179) records in Lihue	
	Spatially corrected three (3) records in Puhi	
	Added routingID for one (1) record in Lihue	
	Delivered 5/9/2019	
5/1/19 To 5/8/19	Verified address for eleven (11) records in Lihue	
	Added address for three (3) records in Lihue	
	Verified address for thirteen (13) records in Lihue	
Airports		
Bridges		
Building Footprints		
Bus Stops		
Churches		
Coastal Names		
Coastline		
Common Places		
Correctional Facilities		
Emergency Callboxes		

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MAPPING LAYERS UPDATED (PART III)

The 9-1-1 GIS layers provided by Akimeka to the PSAP are designed for use on E9-1-1 and NG9-1-1 systems.

KAUAI COUNTY		
Type of Layer	Akimeka GIS Server	GIS Delivery Dates/Remarks
	Date Created/Edits Performed	
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)		
Emergency Operation Centers		
Emergency Shelters		
ESZ/ESN	5/1/19 To 5/8/19	Delivered 5/9/2019 Modified boundary for three (3) records
Fire Beats		
Fire Districts		
Fire Response Areas		
Fire Stations		
Food & Beverage		
Gas Stations		
Gate Codes		
Government Buildings		
Harbors		
Helipads		
Hiking Trails		
Hospitals		
Hydrants		
Hyrdology Layers		
Incident Response Areas		
Lodging		
Major Roads		
Medic Beats		
Medic Districts		
Medic Response Areas		
Medic Stations		
Medical Facilities		
Milepost Markers	5/23/19 To 5/31/19	Next Delivery 6/6/2019
		Added intermediate mile post marker for fourteen (14) records in Kalihiwai
		Added intermediate mile post marker for thirty-four (34) records in Princeville
		Added intermediate mile post marker for twenty (20) records in Hanalei
		Added intermediate mile post marker for sixty-three (63) records in Koloa
		Added intermediate mile post marker for fifty (50) records in Kapaa

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MAPPING LAYERS UPDATED (PART IV)

The 9-1-1 GIS layers provided by Akimeka to the PSAP are designed for use on E9-1-1 and NG9-1-1 systems.

KAUAI COUNTY		
Type of Layer	Akimeka GIS Server	GIS Delivery Dates/Remarks
	Date Created/ Edits Performed	
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)		
Milepost Markers	5/23/19 To 5/31/19	Added intermediate mile post marker for thirty-five (35) records in Kalaheo
		Added intermediate mile post marker for twenty-five (25) records in Anahola
		Added intermediate mile post marker for seventy-eight (78) records in Waimea
		Added intermediate mile post marker for forty-five (45) records in Kilauea
		Added intermediate mile post marker for six (6) records in Kaumakani
		Added intermediate mile post marker for twenty (20) records in Pakala
		Added intermediate mile post marker for thirty-nine (39) records in Kekaha
		Added intermediate mile post marker for sixteen (16) records in Puhi
		Corrected milepost for four (4) records in Hanamaulu
		Added intermediate mile post marker for thirty (30) records in Moloaa
		Added intermediate mile post marker for sixty-one (61) records in Hanamaulu
		Added intermediate mile post marker for nine (9) records in Kapaia
		Added intermediate mile post marker for thirty (30) records in Haena
		Added intermediate mile post marker for fifty-two (52) records in Eleele
		Added intermediate mile post marker for twenty-six (26) records in Kealia
		Added intermediate mile post marker for ninety-four (94) records in Wailua
		Added intermediate mile post marker for thirteen (13) records in Waipouli
		Added intermediate mile post marker for twelve (12) records in Olokele
		Added intermediate mile post marker for twenty-one (21) records in Omao
		Added intermediate mile post marker for thirty-four (34) records in Mana
		Added intermediate mile post marker for forty-four (44) records in Lawai
		Added intermediate mile post marker for fourteen (14) records in Nawiliwili
		Added intermediate mile post marker for fifty (50) records in Lihue
		Added intermediate mile post marker for nineteen (19) records in Hanapepe
Added intermediate mile post marker for one hundred and twelve (112) records in Kokee		
Added intermediate mile post marker for twenty-nine (29) records in Wainiha		
MSAG Communities	5/9/19 To 5/22/19	Delivered 5/23/2019
		Modified boundary for one (1) record in Nawiliwili
	Modified boundary for one (1) record in Lihue	
	5/1/19 To 5/8/19	Delivered 5/9/2019
		Modified boundary for one (1) record in Puhi
Modified boundary for one (1) record in Niumalu		

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MAPPING LAYERS UPDATED (PART V)

The 9-1-1 GIS layers provided by Akimeka to the PSAP are designed for use on E9-1-1 and NG9-1-1 systems.

KAUAI COUNTY		
Type of Layer	Akimeka GIS Server	GIS Delivery Dates/Remarks
	Date Created/Edits Performed	
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)		
Net Junctions		
Ocean Rescue Boundaries		
Ocean Safety		
Parcels		
Parks		
Parks Polygon		
Points of Interest	5/23/19 To 5/31/19	Next Delivery 6/6/2019
		Spatially corrected, corrected address for one (1) record in Kapaia
	5/9/19 To 5/22/19	Delivered 5/23/2019
		Updated name for one (1) record in Wailua
	Spatially corrected, added address for one (1) record in Wailua	
		Updated name for one (1) record in Anahola
Police Beats		
Police Districts		
Police Response Areas	5/1/19 To 5/8/19	Delivered 5/9/2019
		Modified boundary for two (2) records
Police Stations		
Post Offices		
Schools		
Street Centerlines	5/23/19 To 5/31/19	Next Delivery 6/6/2019
		Spatially corrected sixteen (16) records in Hanamaulu
		Spatially corrected three (3) records in Hanamaulu
		Partial spatial correction for three (3) records in Hanamaulu
		Verified address for nine (9) records in Hanamaulu
	5/9/19 To 5/22/19	Delivered 5/23/2019
		Spatially corrected one (1) record in Lihue
		Spatially corrected ten (10) records in Puhi
Spatially corrected four (4) records in Lihue		
	Added centerline for one (1) record in Puhi	
	Split two (2) records in Puhi	

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MAPPING LAYERS UPDATED (PART VI)

The 9-1-1 GIS layers provided by Akimeka to the PSAP are designed for use on E9-1-1 and NG9-1-1 systems.

KAUAI COUNTY		
Type of Layer	Akimeka GIS Server	GIS Delivery Dates/Remarks
	Date Created/ Edits Performed	
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)		
Street Centerlines	5/1/19 To 5/8/19	Delivered 5/9/2019
		Modified range for one (1) record in Lihue
		Spatially corrected one (2) records in Lihue
		Added centerline for one (2) records in Lihue
Subdivisions	5/9/19 To 5/22/19	Delivered 5/23/2019
		Updated name for one (1) record in Wailua
		Spatially corrected one (1) record in Lihue
		Updated name for one (1) record in Anahola
Tow Jurisdictions		
Tsunami Evacuation Zones		
Tsunami Heights		
Waste Water Plants		
WSP Cell Sectors	5/9/19 To 5/22/19	Delivered 5/23/2019
		Updated three hundred and nine (309) sectors per Verizon Wireless audit
WSP Cell Towers	5/1/19 To 5/8/19	Delivered 5/9/2019
		Updated three (3) sectors per Verizon Wireless CRS
WSP Cell Towers	5/23/19 To 5/31/19	Delivered 5/23/2019
		Updated fifty-eight (58) towers per Verizon Wireless audit
		Delivered 5/9/2019
	5/1/19 To 5/8/19	Updated one (1) tower per Verizon Wireless CRS

NOTE:

- The Parcels layer is provided by Kauai County. Akimeka performs edits on the spatial information of the layer for 9-1-1 purposes. Changes to the attribute table are made when needed. The Parcels layer uploaded to the PSAP GIS server is intended for 9-1-1 purposes only and should not be disseminated to other county agencies.

Kauai County E9-1-1 Status Report

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GEOGRAPHIC INFORMATION SYSTEM (GIS) NARRATIVES

GIS KEY ACTIVITIES/UPDATES

GIS Key activities include the events such as GIS deliverables, meetings, agreements, etc.

Date	Key Activities/Updates
5/9/2019	Delivered updated data for MapFlex which included Address Points, ESN, MSAG Communities, Points Of Interest, Police RA, Street Centerlines, WSP Cell Sectors and WSP Cell Towers
5/9/2019	Delivered updated data for Spillman which included Address Points, Common Names, MSAG Communities, and Street Centerlines
5/23/2019	Delivered updated data for Spillman which included Address Points, Common Names, Milepost Markers, and Street Centerlines
5/23/2019	Delivered updated data for MapFlex which included Address Points, Milepost Markers, Points Of Interest, Street Centerlines, WSP Cell Sectors and WSP Cell Towers
5/24/2019	Provided test deliverable for 1/10th of a mile milepost markers to Spillman.
5/31/2019	Created and delivered a Map Web Application in order for KPD to be able to view and approve addressing in Kokee

SPILLMAN PROJECT

The Kauai County Spillman project is considered consistent and has not had any major issues reported.

MAPFLEX SYSTEM

Akimeka delivered GIS data to the MapFlex system on the following dates in May 2019

- Hawaii County** – May 7th, 2019 and May 21st 2019
- Maui County** – May 8th, 2019 and May 22nd, 2019
- Kauai County** – May 9th, 2019, and May 23rd, 2019
- Honolulu** – May 10th, 2019, and May 24th, 2019

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MAPFLEX ISSUES

Below is a detailed list of issues regarding the MapFlex systems throughout the State of Hawaii.

DATE	ISSUE	DESCRIPTION	STATUS
8/2016	Wireless Addresses	MapFlex system began displaying wireless information incorrectly. MapFlex system is doing a reverse query for additional information in the GIS and this is overriding the ALI information with the closest address in the GIS.	Partially Resolved (Nov 2016) The overriding ALI with updated Lat/Longs from the GIS is still occurring
11/2016	Phase I Display	Wireless Phase I calls plotting at centroid of coverage area and landing in the ocean. After installation of new MapFlex version to correct other issues, the configurations for Wireless Phase I were not set up properly by West, in which the mapping did not point to the correct information in MapFlex.	Partially Resolved (Dec 2016) According to PSAPs, it's not fully resolved. The icon of the tower still doesn't plot for Phase I.
11/2016	Wireless Confidence	Sprint calls coming across with unusually high confidence. Coordination is taking place with Sprint and West. West provides the PDE services for Sprint.	Pending
3/22/2017	ArcGIS Address Locator	The locators in MapFlex have a configurations which does not include ESNs. A reported issue has occurred with the Sheraton in Waikiki. The address locator does not differentiate between the Sheraton hotel and the surf break and plots on the surf break. The bigger issue is that this same issue will occur with complexes that have same primary address.	Pending A new SP 5.4 update by West is aimed to correct this issue.
5/17/2017	VoIP Calls Plotting Incorrectly	Recognized in late April and early May 2017, the PSAPs have been receiving several VoIP calls which are plotting in the incorrect locations. After further research it was determined that it is because MapFlex is configured to plot the received Lat/Long. The problem is that these are not always maintained properly and that ideally the system should first choose to match with the GIS data based on the provided address. During the September 20, 2017 PSAP conference call, HT relayed there was confirmation that the Time Warner records were in fact passing through the West FMCC.	Partially Resolved – the Lat/Longs are no longer being plotted in MapFlex due to a software release.
5/17/2017	Landline Calls Producing X/Y on calls	It was determined that for normal landline calls, the X/Y coordinates are being sent. The PSAPs have asked where these are being generated and why would they be sent for landline calls.	West is looking into this (May - June 2017)
5/23/2018	Phase I & Phase II coverage area	Phase I calls received at the Kihei Maui PSAP are displaying a circular circumference area rather than a cone shaped directional coverage. Phase II calls are not plotting the COF meters correctly.	Pending
5/24/2018	Incorrect Addresses	MapFlex system began displaying incorrect addresses in the bubble display when an Address Point is right mouse clicked to see information by the PSAPs. However, the address in the data is still correct as shown on the left hand side.	Pending
6/27/2018	Moving Labels	It was brought up during the PSAP teleconference with Hawaiian Tel and West that the Hawaii Fire Department	Pending

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		<p>submitted a trouble ticket regarding the parcel labels. When the base map is checked on for viewing the owner's names on the parcel layer, the names of some of the parcels will follow and leave their parcel as the map is panned following streets. This problem was also recreated at the Hawaii Police Department.</p>	
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Kauai County E9-1-1 Status Report

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OPEN SERVICE REQUESTS – MAY 2019

#	Date	Ticket #	Description	Category	Urgency	Comments
			None			

NOTE:

There are no (0) open service request for May 2019.

SERVICE REQUEST YEAR-TO-DATE (YTD) SUMMARY – 2019

KAUAI COUNTY				MSAG SERVICE REQUEST CATEGORIES					
2019	TOTAL		Open	WIRESLINE		WIRELESS		VoIP	
	Created	Closed		Created	Closed	Created	Closed	Created	Closed
2018 Carryover*			0						
January	1	0	1	0	0	0	0	1	0
February	0	0	1	0	0	0	0	0	0
March	0	0	1	0	0	0	0	0	0
April	0	1	0	0	0	0	0	0	1
May	0	0	0	0	0	0	0	0	0
June									
July									
August									
September									
October									
November									
December									
TOTAL	1	1	0	0	0	0	0	1	1

Note:	* The 2018 Carryover row indicated the number of Service Requests that were opened in 2018 and brought forward into 2019 in an effort to track the service request until completion. Detailed information on service tickets are available upon request.
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Definitions:	Category	Description
	Wireline	Telephone Number (ALI) Discrepancies from land line phones that have been submitted to West Safety Services via 9-1-1 Net for correction.
	Wireless	Telephone Number (ALI) Discrepancies from phones that were land lines at one time, and were ported out to a wireless carrier. However, the phone number was never removed from the MSAG database.
	VoIP	Telephone Number (ALI) Discrepancies from VoIP phones that have been submitted to Time Warner Cable (TWCB) or other VoIP providers for correction

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5. E9-1-1 DATABASE SYNCHRONIZATION

(Reference: NENA 71-501, Version 1.1 – NENA Information Document for Synchronizing Geographic Information System databases with MSAG & ALI)

Next Database Synchronization – July 2019

AUDIT SUMMARY RESULTS – 2018 - 2019 -- TBA

AUDIT SUMMARY RESULTS – JULY 1, 2019 MSAG VS. APRIL 1, 2019 MSAG -- TBA

INVALID MSAG STREETS AND ADDRESS RANGES – ESN X99 RECORDS -- TBA

AUTOMATIC LOCATION IDENTIFICATION (ALI) DATABASE DISCREPANCIES -- TBA