December 1, 2018 - December 31, 2018



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AKIMEKA | HIGH PRIORITY, HIGH IMPACT.

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1. PSAP OPERATIONS

9-1-1 CALL VOLUME HAWAII COUNTY PSAPS - DECEMBER 2018

Source: West Safety Services Viper system

(*) Totals are based on calls to Primary PSAP.

	9-1-1 Call Volume																
HAWAII COUNTY PSAPs		Wire	eline		Wire	less		VC)IP	Calls No		Admir	n Calls	Aband Ca			Calls
2018	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	No. of Other Calls	% of Total Calls
DEC	18,478	3,301	17.86%	12,747	68.98%	44.61%	55.39%	892	4.83%	12	0.06%	0	0.00%	1,526	8.26%	0	0.00%

CALL VOLUME HAWAII COUNTY PSAP NOTES:

The percentage of Wireless Phase 2 calls (55.39%) has surpassed the number of Wireless Phase 1 calls (44.61%) in December 2018.

\$911 Calls with No ALI in December 2018 = 0.06% - Statewide average for 2018 = 0.09%

9-1-1 CALL VOLUME - CALENDAR YEAR 2018

	9-1-1 Call Volume																
	AII COUNTY PSAPs	Wireline			Wireless			VOIP		Calls v	LI	Admin Calls		Abandoned Calls		Other Calls	
2018	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	No. of Other Calls	% of Total Calls
JAN	18,334	3,344	18.24%	12,601	68.73%	46.04%	53.96%	874	4.77%	39	0.21%	0	0.00%	1,476	8.05%	0	0.00%
FEB	16,434	2,927	17.81%	11,395	69.34%	44.55%	55.45%	785	4.78%	17	0.10%	0	0.00%	1,310	7.97%	0	0.00%
MAR	17,309	3,256	18.81%	11,957	69.08%	44.69%	55.31%	846	4.89%	21	0.12%	0	0.00%	1,229	7.10%	0	0.00%
APR	16,313	2,893	17.73%	11,402	69.90%	47.71%	52.29%	738	4.52%	14	0.09%	0	0.00%	1,266	7.76%	0	0.00%
MAY	17,714	2,930	16.54%	12,625	71.27%	45.27%	54.73%	823	4.65%	20	0.11%	0	0.00%	1,316	7.43%	0	0.00%
JUNE	16,449	2,692	16.37%	11,690	71.07%	43.61%	56.39%	798	4.85%	16	0.10%	0	0.00%	1,253	7.62%	0	0.00%
JULY	16,802	2,757	16.41%	12,108	72.06%	44.32%	55.68%	786	4.68%	10	0.06%	0	0.00%	1,141	6.79%	0	0.00%
AUG	17,959	3,098	17.25%	12,723	70.84%	44.50%	55.50%	822	4.58%	8	0.04%	0	0.00%	1,308	7.28%	0	0.00%
SEPT	16,681	2,802	16.80%	11,864	71.12%	45.91%	54.09%	762	4.57%	21	0.13%	0	0.00%	1,232	7.39%	0	0.00%
ОСТ	17,121	2,984	17.43%	11,976	69.95%	45.21%	54.79%	746	4.36%	13	0.08%	0	0.00%	1,402	8.19%	0	0.00%
NOV	17,054	2,975	17.44%	11,929	69.95%	43.99%	56.01%	795	4.66%	14	0.08%	0	0.00%	1,341	7.86%	0	0.00%
DEC	18,478	3,301	17.86%	12,747	68.98%	44.61%	55.39%	892	4.83%	12	0.06%	0	0.00%	1,526	8.26%	0	0.00%
YTD	206,648	35,959		145,017				9,667		205		0		15,800		0	
MON AVG	17,221	2,997	17.39%	12,085	70.19%	45.03%	54.97%	806	4.68%	17	0.10%	0	0.00%	1,317	7.64%	0	0.00%

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9-1-1 CALL VOLUME BY AGENCY - DECEMBER 2018

		9-1-1 Call Volume by Agency													
2018		Hawaii	Police Dep	artment	Hawaii Fire Department										
2010	Number of	% of Total	Number of	Number of	Number of	Number of	% of Total	Number of	Number of	Number of					
	Total Calls	Calls	Admin Calls	Abandoned	Other Calls	Total Calls	Calls	Admin Calls	Abandoned	Other Calls					
	Received			Dropped Calls		Received			Dropped Calls						
December	14,489	78.41%	0	1,489	0	2,463	13.33%	0	37	0					

9-1-1 CALL VOLUME BY AGENCY - CALENDAR YEAR 2018

				9-1-1	Call Volui	me by Ag	ency					
204.0		Hawaii	Police Dep	partment		Hawaii Fire Department						
2018	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Abandoned Dropped Calls	Number of Other Calls	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Abandoned Dropped Calls	Number of Other Calls		
January	14,408	78.59%	0	1,451	0	2,450	13.36%	0	25	0		
February	12,884	78.40%	0	1,286	0	2,240	13.63%	0	24	0		
March	14,890	86.02%	0	1,202	0	2,419	13.98%	0	27	0		
April	12,959	79.44%	0	1,248	0	2,088	12.80%	0	18	0		
Мау	14,007	79.07%	0	1,294	0	2,391	13.50%	0	22	0		
June	12,962	78.80%	0	1,223	0	2,234	13.58%	0	30	0		
July	13,444	80.01%	0	1,125	0	2,217	13.19%	0	16	0		
August	13,805	76.87%	0	1,280	0	2,846	15.85%	0	28	0		
September	13,146	78.81%	0	1,214	0	2,303	13.81%	0	18	0		
October	13,463	78.63%	0	1,371	0	2,256	13.18%	0	31	0		
November	13,371	78.40%	0	1,308	0	2,342	13.73%	0	33	0		
December	14,489	78.41%	0	1,489	0	2,463	13.33%	0	37	0		
YTD	163,828		0	15,491	0	28,249		0	309	0		
MON AVG	13,652	79.29%	0	1,291	0	2,354	13.66%	0	26	0		

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. Abandoned Calls are **not** included in the % of Total Calls.
- All VoIP (Voice over Internet Protocol) types of 911 calls are combined in the Call Volume statistic.



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FOR YOUR INFORMATION

	FYIFor Your Information													
	PSAP Operations													
	Statewide 911 Call Volumes													
PSAP	PSAP 2018 2017 2016 2015													
Oahu Civilian	1,034,190	034,190 70.62% 1,022,818 72.16% <mark>1,009,059 71.93%</mark> 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	Kauai County 52,623 3.60% 49,902 3.52% 50,955 3.63% 56,874 3.96%													
Total	Total 1,464,398 100.00% 1,417,487 100.00% 1,402,759 100.00% 1,436,996 100.00%													
*2016 & 2015 Statewide avera	age does not inclu	de Military 911 ca	lls											

TEXT TO 911 - CURRENT MONTH - DECEMBER 2018

NOTE:

- 911 Text messages received at the Fire Department are transfers from the Police Department.
- 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.

TEXT TO 911 Ha	awaii County	PSAPs 2018
Month	Received	Received at
IVIOTILIT	at Police	Fire
January	27	4
February	14	2
March	19	1
April	19	0
May	25	2
June	19	2
July	26	1
August	18	2
September	30	3
October	38	2
November	13	2
December	19	1
YTD	267	22
Monthly Avg.	22.25	1.83

State of Hawaii	2018							
TEXT TO 911								
Oahu Civilian	1,660							
RDC Pearl Harbor	77							
Hawaii County	289							
Maui County	224							
Kauai County	78							
*Total	2,328							
*Totals may include PSAP								
training, testing, and 911								
Texting erro	rs							

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WIRELESS PSAP TESTING - DECEMBER 2018

	HAWAII COUNTY - DECEMBER 2018												
Date	WSP	Sites Tested	Sectors Tested	Tested By:	Test Pass/Fail	Comments:							
12/13/18	Verizon	1	1	Hawaii PSAP	Pass	CDMA Test							

NOTES:

- There was one (1) scheduled Wireless 911 Test for the month of December 2018.
- Verizon Wireless has completed migrating their Wireless network database from West to ComTech.

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2. MSAG (MASTER STREET ADDRESS GUIDE)

MSAG TRANSACTIONS CURRENT MONTH/YEAR – DECEMBER 2018

	9-1-1 TRANSACTIONS											
HAWAII COUNTY	Total	Dispatchable Location Transactions Submitted	MSAG	ALI Sub	omitted	Disc	Customer Addresses					
2018		DL (A)	MSAG (B)	TN CR (C)	ALI DR (D)	TNCR	ALI DR	VoIP DR	Affected			
JANUARY	243	201	12	25	5	185	0	0	214			
FEBRUARY	175	104	15	53	3	161	0	0	190			
MARCH	236	133	39	60	4	181	0	0	209			
APRIL	128	87	12	25	4	252	0	1	47			
MAY	150	90	31	28	1	275	0	1	201			
JUNE	284	215	26	42	1	503	0	1	57			
JULY	195	178	15	2	0	618	0	1	78			
AUGUST	195	56	16	123	0	758	0	1	119			
SEPTEMBER	162	100	11	51	0	892	0	1	311			
OCTOBER	153	128	22	0	3	1,003	0	2	495			
NOVEMBER	523	389	13	117	4	475	0	3	138			
DECEMBER	459	49	1	407	2	299	0	0	410			
TOTAL YTD	2,903	1,730	213	933	27				2,469			
AVG PER MONTH	242	144	18	78	2				206			

Definitions

- (A) **D**ispatchable **L**ocation 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) **M**aster **S**treet **A**ddress **G**uide Represents corrections made to street records including, street names, address ranges, MSAG Communities and ESNs.
- (C) **T**elephone **N**umber **C**hange **R**equest Represents address corrections on a specific TN or group of TNs. These "invalid" TNs usually have an associated ESN 299 attached to them which indicates the need for validation.
- (D) **A**utomatic **L**ocation **I**nformation **D**iscrepancy **R**ecord 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 **459** MSAG transactions were processed in 9-1-1 Net during the current month. One (1) request was 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 Military response areas, and inserting new MSAG records.

There were 410 customer ANI/ALI (telephone number/address) records updated as a direct result.

TELEPHONE RECORD (ALI) TRANSACTIONS CURRENT MONTH NOTES:

49 Telephone Number Change Requests (TN CR) transactions were processed in 9-1-1 Net with valid MSAG addresses, as a result of the ESN 299 clean-up effort and the Dispatchable Location Project. ESN 299 TN CRs must be validated against HT records and approved by the end user Hawaiian Telcom customer before updating the ALI record. One (1) ALI DR was submitted as the result of a 9-1-1 call made from a residence in Keaau and one (1) VoIP DR from a caller in Kamuela. Hawaii County Fire Department submitted these change requests to Akimeka to update the customer information and the discrepancy was corrected in 9-1-1 Net.

OPEN TELEPHONE RECORD (ALI) DISCREPANCY STATUS:

- There are currently 299 Open TN CR Transactions.
- Refer to chart in the next section "TNCR Current Status"

299 Open TN CR transactions are a direct result of the ESN 299 clean-up and are awaiting approval from Hawaiian Telcom, Inc. Once a telephone number is submitted to West for correction, it is verified against HT records and/or by the customer. West's internal process requires calling each telephone customer individually for verification to update an address in the 9-1-1 database.

- There are currently no Open ALI-DR as of December 31, 2018
- There are currently no Open VoIP DRs as of December 31, 2018

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TNCR (TELEPHONE NUMBER CHANGE REQUEST) CURRENT STATUS - DECEMBER 2018

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)						
County	TOTAL TNCR RECORDS SUBMITTED BY AKIMEKA	OPENED TNCRS PENDING FURTHER ACTION BY WEST SAFETY SERVICES (INTRADO)	OPENED TNCRS REFERRED TO TELCO BY WEST SAFETY SERVICES (INTRADO)	TOTAL UNOPENED TNCR RECORDS		
HAWAII	299	131	20	148		

STATUS

TOTAL TNCRs SUBMITTED - The total number of TNCR requests for modification that have been submitted in 9-1-1 **PENDING STATUS** - 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.

REFERRED STATUS - 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 - DECEMBER 2018

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 September 2015, Akimeka started a pilot project, entering additional location information to a verified MSAG address with multiple telephone numbers. Specifically the **Kings Shops at 690250 Waikoloa Beach Dr., Waikoloa**. 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. There are a total of 3,780 Dispatchable Locations processed to date. There were 49 Dispatchable locations submitted and 401 were processed in December 2018.

Dispatchable Location							
2018 Quarter 4	Common Name Place MSAG Address	TNCR* Transactions Submitted	Transactions Processed**				
Quarter 3 Carryover		4,325	3,780				
October	Hale Aloha Nazarene School, 595 Kupulau Rd, Hilo Kaumana Elementary School, 1710 Kaumana Dr, Hilo Keaau Elementary, 160680 Keaau Pahoa Rd, Keaau Keaau High, 160725 Keaau Pahoa Rd, Keaau Keaau Middle, 160565 Keaau Pahoa Rd, Keaau Malamalama Waldorf School, 151834 Makuu Dr, Keaau Waiakea Middle, 200 W Puainako St, Hilo Waiakeawaena Elementary, 2420 Kilauea Ave, Hilo	5 11 14 24 32 2 2 24 16	0 0 0 0 0 1 0				
November	Honokaa High School, 450527 Pakalana St, Honokaa Waiakeawaena Elementary, 2420 Kilauea Ave, Hilo Keaau Middle, 160565 Keaau Pahoa Rd, Keaau	389 0 0	11 16 1				
December	Keaau High, 160725 Keaau Pahoa Rd, Keaau Keaau Middle, 160565 Keaau Pahoa Rd, Keaau E B De Silva Elementary, 278 Ainako Ave, Hilo Honokaa High School, 450527 Pakalana St, Honokaa Kalanianaole School, 270330 Old Mamalahoa Hwy, Papaikou Paauilo School, 431497 Hauola Rd, Paauilo St Joseph Elementary, 999 Ululani St, Hilo St Joseph High School, 1000 Ululani St, Hilo Waiakea Middle, 200 W Puainako St, Hilo	22 27 0 0 0 0 0 0	0 13 8 330 10 7 9 17				
Q4 Total Total		566 4,891	430 4,210				

SPECTRUM (CHARTER) 9-1-1 VOIP DATABASE VERIFICATION PROJECT - DECEMBER 2018

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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 MATCHING & RECORDS SUBMITTED BY SPECTRUM (A) (B) (B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C							
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 Cilivian	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.
	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)	Verifcation Process Completed.

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BANDWIDTH 9-1-1 VOIP DATABASE VERIFICATION PROJECT – DECEMBER 2018

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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	9-1-1 VoIP Database Verification Project **(Updated)								
	TOTAL	TOTAL NEW	TOTAL	NON	PERCENT				
	RECORDS	RECORDS	RECORDS	MATCHING	COMPLETED				
PSAP	SUBMITTED BY	VERIFIED WITH	NOT	RECORDS					
ISAI	BANDWIDTH	911 DATABASES	MATCHING	CORRECTED					
	(A)	(B)		BY AKIMEKA					
				(C)					
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 Cilivian	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

(A)	VoIP Database records submitted by Bandwidth to Akimeka for research and MSAG address validation.
	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)	Verifcation Process Completed.

3. GEOGRAPHIC INFORMATION SYSTEM (GIS) - DECEMBER 2018

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

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MAPPING LAYERS UPDATED (PART I)

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

	HAWAII COUNTY						
Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks				
C	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)						
	12/31/2018	(1115 te t	Updated three (3) Addresses in Captain Cook.				
	12/31/2018		Updated one (1) Address in Hakalau.				
	12/31/2018		Updated seven (7) Addresses in Hilo.				
	12/31/2018		Updated one (1) Address in Holualoa.				
	12/31/2018		Updated six (6) Addresses in Kailua Kona.				
	12/31/2018		Updated two (2) Addresses in Kamuela.				
	12/31/2018		Updated three (3) Addresses in Kapaau.				
	12/31/2018		Updated twenty one (21) Addresses in Keaau.				
	12/31/2018		Updated one (1) Address in Kealakekua.				
	12/31/2018		Updated nine (9) Addresses in Kurtistown.				
	12/31/2018		Updated seventeen (17) Addresses in Mountain View.				
	12/31/2018		Updated four (4) Addresses in Naalehu.				
	12/31/2018		Updated one (1) Address in Ninole.				
	12/31/2018		Updated twelve (12) Addresses in Ocean View.				
	12/31/2018		Updated ten (10) Addresses in Pahoa.				
Address Points	12/31/2018		Updated one (1) Address in Pepeekeo.				
Address Points	12/31/2018		Updated eight (8) Addresses in Volcano.				
	12/31/2018		Updated one (1) Address in Waikoloa.				
	12/31/2018		Corrected Spatial and Updated TMK for one (1) Address Point in Keaau.				
	12/28/2018		Updated RoutingID for two (2) Addresses in Keaau.				
	12/28/2018		Spatially Corrected ten (10) Addresses in Keaau.				
	12/28/2018		Corrected Spatial and Updated TMK for two (2) Addresses in Keaau.				
	12/27/2018		Spatially Corrected twenty two (22) Address Points in Keaau.				
	12/27/2018		Spatially Corrected three (3) Address Points in Volcano.				
	12/27/2018		Spatially Corrected one (1) Address Point in Holualoa.				
	12/27/2018		Updated RoutingIDs for two (2) Address Points in Keaau.				
	12/27/2018		Corrected Spatial and Updated TMK for one (1) Address in Keaau.				
	12/27/2018		Corrected Spatial and Updated TMK for three (3) Addresses in Volcano.				
	12/24/2018		Spatially Corrected five (5) Addresses in Keaau.				
	12/24/2018		Spatially Corrected and Updated TMKs for seven (7) Addresses in Keaau.				
	12/24/2018		Updated Location Name and Alias Locations for eighteen (18) Address				
	12/ 24/ 2010		Points for Pahoa High and Intermediate School in Pahoa.				

MAPPING LAYERS UPDATED (PART II)



December 1, 2018 – December 31, 2018

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

	HAWAII COUNTY					
Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks			
C	RITICAL 9-1-1 F		Y LAYERS FOR DISPATCH & RESPONSE d Alphabetically)			
Updated Location Name and Alias Location for one (1) Address Point						
	12/24/2018		Honomu Hongwanji School in Honomu			
	12/24/2018		Updated Location Name and Alias Location for one (1) Address Point for Aha Punana Leo Inc in Hilo.			
	12/24/2018		Updated Location Name and Alias Location for one (1) Address Point for Akamai Kids Kailua Kona in Kailua Kona.			
	12/24/2018		Updated Location Name and Alias Location for one (1) Address Point for Akamai Kids Kapaau in Kapaau.			
	12/24/2018		Updated Location Name and Alias Location for one (1) Address Point for Hawaii Montessori Inc in Kailua Kona.			
	12/24/2018		Updated Location Name and Alias Locations for forty five (45) Address Points for Hilo Union Elementary School in Hilo.			
	12/21/2018		Updated one (1) Full Address in Holualoa.			
	12/21/2018		Spatially Corrected and updated TMK for seventeen (17) Addresses in Keaau.			
	12/19/2018		Spatially Corrected and Updated TMK for oen (1) Address in Hilo.			
Address Points	12/19/2018		Spatially Corrected and Updated TMK for nine (9) Addresses in Volcano.			
	12/19/2018		Spatially Corrected and Updated TMK's for thirty (30) Addresses in Keaau.			
	12/19/2018		Spatially Corrected and Updated TMK for one (1) Address in Kurtistown.			
	12/19/2018		Updated Routing ID's for two (2) Addresses in Keaau.			
	12/19/2018		Updated Routing ID for one (1) Address in Volcano.			
		12/18/18				
	12/18/2018		Corrected TMK, Zipcode, ESN, MSAG, and MUN on thirteen thousand seven hundred sixty seven (13,767) records.			
	12/13/2018		Updated Location Name and Alias Location for one (1) Address for Kohala Mission School in Hawi.			
	12/13/2018		Updated Location Name and Alias Location for one (1) Address for Kamehameha Schools Preschool Kohala in Kapaau.			
	12/13/2018		Updated Location Name and Alias Location for one (1) Address for Kamehameha Schools Preschool Kamuela in Kamuela.			
	12/13/2018		Updated Location Name and Alias Location for one (1) Address for University of Hawaii Center at West Hawaii in Kealakekua.			

MAPPING LAYERS UPDATED (PART III)

December 1, 2018 – December 31, 2018

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

	HAWAII COUNTY					
Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks			
C	RITICAL 9-1-1 P	UBLIC SAFET	Y LAYERS FOR DISPATCH & RESPONSE			
		(Liste	d Alphabetically)			
	12/13/2018		Updated Location Name and Alias Location for thirty one (31) Addresses for Ernest B De Silva Elementary School in Hilo.			
	12/13/2018		Updated Location Name and Alias Location for seventy seven (77) Addresses for Keaau Elementary School in Keaau.			
	12/13/2018		Updated Location Name and Alias Location for eleven (11) Addresses for Keaau High School in Keaau.			
	12/10/2018		Added two (2) Addresses in Pahoa.			
	12/10/2018		Added one (1) Address in Naalehu.			
	12/10/2018		Added two (2) Addresses in Mountain View.			
	12/10/2018		Added one (1) Address in Keaau.			
	12/7/2018		Updated Full Address and Routing ID for one (1) Address in Kailua Kona.			
	12/7/2018		Added three (3) Addresses in Kapaau.			
	12/7/2018		Added eight (8) Addresses in Volcano.			
	12/7/2018		Added eight (8) Addresses in Kurtistown.			
Address Points	12/7/2018		Added fifteen (15) Addresses in Mountain View.			
Address I onits	12/7/2018		Added eleven (11) Addresses in Ocean View.			
	12/7/2018		Added six (6) Addresses in Kailua Kona.			
	12/7/2018		Added three (3) Addresses in Naalehu.			
	12/7/2018		Added two (2) Addresses in Kamuela.			
	12/7/2018		Added three (3) Addresses in Captain Cook.			
	12/7/2018		Added one (1) Address in Ninole.			
	12/7/2018		Added seven (7) Addresses in Hilo.			
	12/7/2018		Added one (1) Address in Kealakekua.			
	12/7/2018		Added one (1) Address in Holualoa.			
	12/7/2018		Added one (1) Address in Waikoloa.			
	12/7/2018		Added one (1) Address in Pepeekeo.			
	12/7/2018		Added one (1) Address in Hakalau.			
	12/6/2018		Added twenty (20) Address Points in Keaau.			
	12/6/2018		Added six (6) Address Points in Pahoa.			
	12/5/2018		Updated Alias Location for one (1) Address Point for Punana Leo O Hilo in Hilo.			

MAPPING LAYERS UPDATED (PART IV)

December 1, 2018 – December 31, 2018

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

HAWAII COUNTY					
Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks		
CI	RITICAL 9-1-1 I		Y LAYERS FOR DISPATCH & RESPONSE		
		(Liste	d Alphabetically)		
Address Points	12/5/2018		Updated Location Name and Alias Locations for sixty one (61) Address Points for Keonepoko Elementary School in Pahoa.		
ridatess Folias	12/5/2018		Updated Alias Location for one (1) Address Point for Kua O Ka La Public Charter School in Pahoa.		
Airports					
Bridges					
Building Footprints					
Bus Stops					
Churches					
Coastal Names					
Coastline					
Common Places					
Correctional Facilities					
Emergency Callboxes					
Emergency Operation Centers					
Emergency Shelters					
ESZ/ESN					
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					

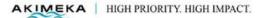
MAPPING LAYERS UPDATED (PART V)

December 1, 2018 – December 31, 2018

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

HAWAII COUNTY							
	Akimeka GIS	D / OTO					
Type of Layer	Server	Date GIS	Other/Remarks				
1, pc 01 2m, 01	Date Created/ Edits Performed	Delivered	0.007.1107.200				
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE							
	(Listed Alphabetically)						
Lodging							
Major Roads							
Medic Beats							
Medic Districts							
Medic Response Areas							
Medic Stations							
Medical Facilities							
Milepost Markers							
MSAG Communities							
Net Junctions							
Ocean Rescue Boundaries							
Ocean Safety							
Parcels		12/18/18					
Parceis	12/18/2018		Uploaded updated version of the parcel layer, with County updated.				
Parks							
Parks Polygon							
Points of Interest							
Points of Interest							
Police Beats							
Police Districts							
Police Response Areas							
Police Stations							
Post Offices							
Schools							
		12/18/18					
	12/10/2018		Updated two (2) Segment ranges in Kailua Kona.				
	12/10/2018		Updated one (1) segment range in Paauillo.				
0 0 1		12/04/18					
Street Centerlines	12/4/2018		Updated Police for one (1) Segment in Holualoa.				
	12/4/2018		Added one (1) Street in Paauilo.				
	12/4/2018		Split one (1) Segment and updated ranges in Paauilo.				
	12/3/2018		Edited two (2) segments in Holualoa.				

MAPPING LAYERS UPDATED (PART VI)



December 1, 2018 – December 31, 2018

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

	HAWAII COUNTY					
T	Akimeka GIS Server	erver Date GIS Created/ Delivered	Other/Demodes			
Type of Layer	Date Created/ Edits Performed		Other/Remarks			
CI	RITICAL 9-1-1 I	PUBLIC SAFET	Y LAYERS FOR DISPATCH & RESPONSE			
		(Listed	d Alphabetically)			
Street Centerlines	12/3/2018		Updated Police attribute for two hundred and twenty eight (228) segments in Kailua Kona.			
	12/3/2018		Updated Police for one (1) Segment in Holualoa.			
Subdivisions						
Tow Jurisdictions						
Tsunami Evacuation Zones						
Tsunami Heights						
Volcanic Lava Flow						
Waste Water Plants						
	12/24/2018		Added twenty one (21) sectors per Verizon CRS.			
WSP Cell Sectors		12/18/18				
	12/17/2018		Added three (3) cell sectors per Verizon CRS.			
	12/24/2018		Added six (6) towers per Verizon CRS.			
WSP Cell Towers		12/18/18				
	12/17/2018		Added one (1) cell tower per Verizon CRS.			

GEOGRAPHIC INFORMATION SYSTEM (GIS) NARRATIVES

GIS KEY ACTIVITIES/UPDATES

December 1, 2018 - December 31, 2018

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

Date	Key Activities/Updates
12/4/2018	Delivered Address Points, Cell Sectors, Cell Towers, Points of Interest, Street Centerlines, Common Places, and Fire for Hawaii Mapflex.
12/4/2018	Delivered Address Points, City, Common Names Alt Table, Display Streets, Fire EMS Zone, First In, Points of Interest, POI Alt Names, Police Zones, Street Centerlines, Street Alt Names, Street Routes, and Police Response Areas for Hawaii Spillman.
12/11/2018	Completed County Compare for Hawaii County
12/18/2018	Delivered Address Points, Cell Sectors, Cell Towers, Points of Interest, Street Centerlines, ESN, Parcels, and Common Places for Hawaii County Mapflex.
12/18/2018	Delivered Address Points, City, Common Names Alt Table, Display Streets, Fire EMS Zone, First In, Points of Interest, POI Alt Names, Police Zones, Street Centerlines, Street Alt Names, Street Routes, and Parcels, for Hawaii County Spillman.
12/31/2018	Delivered Address Points, City, Common Names Alt Table, Display Streets, Fire EMS Zone, First In, Points of Interest, POI Alt Names, Police Zones, Street Centerlines, Street Alt Names, Street Routes for Spillman in Hawaii County.

LAVA FLOW AND ALTERNATE ROUTES

On May 7, 2018, Akimeka created a new GIS layer detailing the lava flow activity near the Leilani Estates area to provide the 911 centers on Hawaii, a valuable resource in identifying current road closures and alternate routes.

- 1. Because of the potential consequences to public safety from the current lava flow, Akimeka created a new layer, "Lava Flows" for the PSAPs to be utilized when receiving 911 calls pertaining to this event.
 - a. Akimeka created the layer "Lava Flows" which details the up-to-date progress of the lava activity over the roadways in the Leilani Estates area.
 - b. The initial Lava Flow layer was delivered for upload into the MapFlex mapping system, and the Spillman CAD Mapping system, on May 8, 2018. This visual mapping feature and pertinent updates will been available for viewing by the 911 dispatchers when the Akimeka delivered GIS mapping updates are uploaded by their vendor support personnel into their respective mapping systems.
 - c. During the month of December, 2018, there were no Lava Flow activity pertinent to 911 and Public Safety to update the Spillman Mapping system. Akimeka will resume to deliver updates should the event start up again.

FIRE DEPARTMENT IMT (INCIDENT MANAGEMENT TEAM) MAP

December 1, 2018 – December 31, 2018

As requested by the Hilo Department, Akimeka created an Incident Management Team (IMT) jurisdictional map for the lava flow activity at the Leilani Estates area. This team consists of County, State, and Federal agencies that are involved with all operational procedures affected by the volcanic activity. Map layers identifying roadblocks, highway markers, lava fissures, and evacuated areas, were created by Akimeka and delivered to the Fire Departments mapping vendor on May 31st, 2018. Akimeka will update these GIS layers upon request by the Hilo Fire Department.

ADDRESS POINTS AND STREET CENTERLINES UPDATE COMPARISON

On a routine basis, upon receipt of Hawai'i County Planning Department's Address Points and Street Centerlines layer updates, Akimeka compares and incorporates any of the County's additions, changes, and deletions into the Akimeka Address Points and Street Centerlines layers that appear necessary for the dispatch and response of 911 personnel.

The Address Points and Street Centerlines layer comparative analysis was completed on the updates received from the Hawai'i County Planning Department on **December 11, 2018**. Results are as follows:

HAWAII COUNTY	Address Points Layer	Street Centerlines Layer		
New Addresses Added	108			
Addresses Removed	0			
Address Street Name Changes	1			
Address Street Number Changes	0			
New Street Segments Added		1		
Street Segments Removed		0		
Street Segment Range Changes		5		
Street Segment Name Changes		0		

NOTE:

Some Address Points have multiple updates that are required, including Street Name and Street Number. These updates are counted as separate actions since the changes are required in order to make the GIS layers "9-1-1 capable" for CAD system recommendations affecting public safety dispatch and response operations.

CAD SYSTEM DEPLOYMENT

December 1, 2018 – December 31, 2018

The system has not gone live yet but has received regular GIS updates, as scheduled.

- 1. On September 28, 2017, Akimeka and Spillman held a conference call to discuss some of the items in the training sessions, noted above. There were two key topics discussed; the Street Name searches and an additional item not previously discussed the ability to search street names with first 5 characters.
 - a. Spillman discussed a workflow they saw being used to make these changes in the GIS. Akimeka reserved a slight hesitation with the workflows because there is room for potential discrepancies for the PSAP. The proposed solution for the Street Names, for instance, requires the creation of a midpoint location on a particular street within a given community. One of the issues with this, is that for several streets in Hawaii County the midpoint will be entirely unrelated to the potential caller's location, and may add time to the call process.
 - b. Akimeka identified the proposed solution as a potential fix to a system limitation but may only be a partial solution, leaving a potential gap where during a 9-1-1 call the "solution" may not be of help. Akimeka thought it was best to discuss the items in more detail and include HPD for their approval and awareness of the potential risk involved.
- 2. On October 5, 2017, HPD had asked Akimeka to hold on the requested updates until the system has gone live and they could test it at that point.
- 3. On October 11, 2017, after Akimeka had provided the GIS data for delivery, Spillman followed up to query if the changes to include the proposed solution were included.
 - a. Akimeka had replied that HPD had asked us not to proceed until further discussed.
 - b. Spillman had questioned the rationale of the decision
- 4. On October 31, 2017, HPD, HFD, Akimeka, and Spillman held a conference call to further discuss the item.
 - a. Overview of the request and the issue
 - i. These are almost entirely for non-emergency calls or wireless phase I calls
 - ii. According to Spillman, hardware or software issues may be involved in the transferring of calls from HPD if calls are dropped
 - iii. During traffic stops, officers are often times only giving street names. Issue is that Spillman requires a validated address.
 - iv. Discussion of standards were highlighted. Akimeka is obligated to follow industry standards regarding data accuracy. Similarly Spillman briefed that they are required to follow standards. This proposed solution negates both objectives so neither cannot make the change without HPD approving the request.
 - v. Akimeka briefed that the solution is likely not all encompassing and will likely open other issues not being recognized before put into a live environment. Their focus is on the GIS data accuracy so if the proposed solution accommodates a portion of scenarios but not all of them, there is a concern with it and what those impacts may be.
 - b. Address Locator and GIS changes were discussed
 - i. The concern with creating a point in the GIS which represents the center of a given street within a particular community was discussed. For streets which are short in length, this proposed solution may suffice. The issue, discussed by Akimeka, is with regards to longer streets which span across an entire community like Mamalahoa Hwy. The extent to which the map will pan, may require the dispatcher to spend a significant time locating within the map, features which can be used for the validated address. Using the street as the validated address will likely cause issues.
 - ii. An additional concern brought forward was that this solution will likely degrade the quality of data being cataloged in RMS. Incidents recorded for just a street name will likely lose some pertinent information on specific addresses.
 - iii. Spillman briefed why their system could not do this natively without modifying the data

December 2018

Hawaii County E9-1-1 Status Report

December 1, 2018 – December 31, 2018

- 1. Akimeka asked why Spillman is the only CAD or Mapping System in the State that has difficulty with this feature.
- c. Timeline and Next Steps
 - i. HPD mentioned that their go-live date is in one (1) month so if any changes are needed, there is a compressed timeline.
 - 1. Akimeka briefed that if this is desired and approved by HPD, we would make sure it is finished beforehand.
 - ii. Spillman was asked for references of other PSAPs which have implemented this solution so that they can be asked of its use case and any potential issues.
 - iii. During the call there was a verbal approval from HPD for Akimeka to move forward with the proposed solution, which could later be tested by HPD and HFD.
 - iv. Agreement was made to hold off on the 5 character street name aliases until the first item could be looked at.
- 5. On November 7, 2017 Akimeka and Spillman held a quick conference call to verify the requirements of the proposed modification. All information was captured and Akimeka prepared the data shortly after the meeting.
- 6. During November, there were no PSAP references provided to ensure this fix works properly so the modification was asked not to be provided until that occurs.
- 7. On January 23, 2018, a request was made from Hilo Fire to Akimeka for Water Response Areas to be added for the Spillman CAD.
 - a. Akimeka provided HFD with the correspondence with Spillman from October 21, 2016 where the requested layers were provided during the installation/configuration period. Akimeka was unsure why the data was never configured for HFD but prepared a newer dataset to be delivered to Spillman.
 - i. The Water Response Areas were sent to Spillman on January 31, 2018.
 - ii. One item which Akimeka had recommended was that a revision to the Zone Codes will likely need to be made so that the boundaries are distinct in CAD and the proper equipment can be configured for recommendations. HFD and Akimeka will likely be coordinating during February 2018 on this.
- 8. On February 13, 2018 the HPD leadership and Akimeka met to further discuss the proposed street search modification.
 - a. It was agreed that testing the system to accept various classes of service into CAD would be a good initial test to see if the search were needed. Akimeka agreed to be on site to help in the testing. The meeting is tentatively scheduled in March 2018.
- 9. On February 14, 2018 Akimeka ran a computer simulation of several streets to represent how the Spillman will pull recommendations using the proposed street search modification. As they had briefed, the results indicated a potentially large discrepancy with how recommendations may be provided.
- 10. On March 29, 2018, representatives from HPD, HFD, Akimeka, and Spillman met to discuss the potential for modifying the GIS by adding a point to the center of the street segment. Akimeka expressed their concerns with modifying the GIS data outside of the 9-1-1 GIS data model, and the NG911 Data model as NENA Standards directs. At the end of the meeting, Akimeka recommended against the requested change by Spillman, and the decision was accepted by those in attendance at the meeting. The end-to-end testing of the Spillman CAD unit recommendations feature was also postponed. During the meeting, these items were discussed and will require further investigation:
 - a. It was introduced that the Spillman CAD mapping system can now display a Phase I wireless 9-1-1 call. Although the Spillman CAD plots the location of the Tower site, the Spillman CAD does not display the theoretical coverage area of the potential 9-1-1 wireless caller. Because of this, Mr. Ramirez of Akimeka explained that the West MapFlex 911 mapping system is utilized to "locate" wireless 9-1-1 callers, and the Spillman CAD GIS function is to "validate" the location.

Hawaii County

December 1, 2018 – December 31, 2018

- b. A discussion took place regarding enhanced GIS Training. Mr. Ramirez offered to establish a GIS webinar training session to focus on utilizing advanced GIS search functions to assist in locating wireless 9-1-1 callers.
- c. A discussion took place regarding the Dispatch Supervisors from Hawaii Police and Hawaii Fire to visit the Kauai PSAP to observe the Spillman CAD in a live environment and to talk to dispatchers from Kauai on the operation of the system.
- d. There were no significant updates reported in April 2018.
- e. There were no significant updates reported in May 2018.
- f. There were no significant updates reported in June 2018.
- g. There were no significant updates reported in July 2018.
- h. On July 19, 2018, personnel from the Hawaii Police and Fire Department traveled to the Kauai Police Department to observe and question the Kauai Police Department's 911 Dispatch Center's staff on the Spillman CAD's operational procedures.
- i. There were no significant updates reported in August 2018.
- j. On September 18th, 2018, the Hawaii Police and Fire Department went live on the new Spillman CAD and mapping systems. There have been no major GIS data configuration changes requested.
- There were no incidents or GIS configuration change requests in December 2018.

MAPFLEX SYSTEM

During the month of December 2018, the MapFlex system received updates manually as a result of MapFlex having several issues pertaining to the automated upload processes.

Considering that the MapFlex initiative being provided by Hawaiian Telecom and sub-contractor, West, was implemented across the State of Hawaii, in the below narrative there is some information pertaining to all of the Hawaiian Islands. For a record of historical information regarding the MapFlex system, please see MSRs during the 2015 through 2017 years.

- 1. Akimeka delivered GIS data to the MapFlex system on the following dates in December 2018
 - a. **Hawaii County** December 4th, 2018 and December 18th, 2018
 - b. **Maui County** December 5th, 2018 and December 19th, 2018
 - c. Kauai County December 6th, 2018, and December 20th, 2018
 - d. Honolulu December 7th, 2018, and December 21st, 2018

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	Partially Resolved (Nov 2016)
		incorrectly. MapFlex system is doing a reverse query for	The overriding ALI with
		additional information in the GIS and this is overriding the	updated Lat/Longs from the
		ALI information with the closest address in the GIS.	GIS is still occurring
11/2016	Phase I Display	Wireless Phase I calls plotting at centroid of coverage area	Partially Resolved (Dec 2016)
		and landing in the ocean. After installation of new MapFlex	

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December 1, 2018 – December 31, 2018

11/2016	Wind	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.	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 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.	Pending

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4. SERVICE REQUESTS TRANSACTIONS

OPEN SERVICE REQUESTS – DECEMBER 2018

#	Date	Ticket #	Description	PSAP	Urgency	Comments
1	04/02/18	970	Incorrect Drop In	Hawaii Fire		TN has been submitted to Century Link/Time Warner Communications via email. RMS Akimeka requested a status update. TN still in Referred Status. 4/27/2018 RMS TN sent back to TWCBL on 4/27/18. TN is still being researched as of 5/29/18. RMS TN is still being researched by TWCBL as of July 31, 2018. RMS TN is still Referred to Telco, pending research. RMS
2	09/11/18	9/11/2018	Incorrect Address	Hawaii Fire		TN submitted to Time Warner/Spectrum for Update. RMS TN Referred to Time Warner as of 9/27/18. RMS

Note* There are two (2) opened service request pending for December 2018.

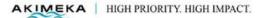
SERVICE REQUEST YEAR-TO-DATE (YTD) SUMMARY – 2018

HAWAII COUNTY				MSAG SERVICE REQUEST CATEGORIES					
2018	TOTAL		Onen	WIRELINE		WIRELESS		VoIP	
2010	Created	Closed	Open	Created	Closed	Created	Closed	Created	Closed
2017 Carryover*			0						
January	5	5	0	3	3	0	0	2	2
February	3	3	0	2	2	0	0	1	1
March	4	4	0	3	3	0	0	1	1
April	4	3	1	2	2	0	0	2	1
May	1	1	1	1	1	0	0	0	0
June	1	1	1	1	1	0	0	0	0
July	1	1	1	1	1	0	0	0	0
August	0	0	1	0	0	0	0	0	0
September	1	0	2	0	0	0	0	1	0
October	3	3	2	3	3	0	0	0	0
November	6	3	3	3	3	0	0	3	0
December	2	5	0	2	2	0	0	0	3
TOTAL	31	29	2	21	21	0	0	10	8

* The 2017 Carryover row indicated the number of Service Requests that were opened in 2017 and brought forward into 2017 in an effort to track the service request until completion.

Detailed information on service tickets are available upon request.

	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.
Definitions:		Telephone Number (ALI) Discrepancies from phones that were land lines at one time,
<u>Deminations.</u>	Wireless	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
	VUIP	Time Warner Cable (TWCBL) for correction



December 2018

Hawaii County E9-1-1 Status Report

December 1, 2018 – December 31, 2018

5. E9-1-1 DATABASE SYNCHRONIZATION

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

The Next Scheduled Database Synchronization Report – February 2019

AUDIT SUMMARY RESULTS - FEBRUARY 2019 -- TBA

AUDIT SUMMARY RESULTS COMPARISION - FEBRUARY 1, 2019 VS NOVEMBER 1, 2018 -- TBA

AUDIT SUMMARY RESULTS - TBA

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

AUTOMATIC LOCATION IDENTIFICATION (ALI) DISCREPANCY REPORT -- TBA