June 1, 2024 – June 30, 2024





June 1, 2024 - June 30, 2024

# TABLE OF CONTENTS

1.	PSAP Operations
9-	1-1 Call Volume Civilian PSAPS – June 2024
9-	1-1 Call Volume Civilian PSAPS – Calendar Year 2024
	Note:
9-	1-1 Call Volume By Agency – June 20246
9-	1-1 Call Volume By Agency – Calendar Year 20246
	PSAP Operation Notes:
Fo	or Your Information7
Τe	ext to 911 Oahu Civilian PSAPs – Current Month – June 2024
	Note:
91	1 Wireless Oahu Civilian PSAP Testing – June 2024
	Notes:
2.	MSAG (Master Street Address Guide)
O	ahu Civilian MSAG Transactions Current Month/Year – June 2024
	Oahu Civilian Msag current month notes:
	Oahu Civilian Telephone Record (ALI) Transactions current month notes:
	Oahu Civilian Open Telephone Record (ALI) Discrepancy Status:
TÌ	NCR (Telephone Number Change Request) Current Status – June 2024
	NOTE:



Page 2 of 27



# June 1, 2024 - June 30, 2024

	Dispatchable Location – Status as of – June 2024	12
	Narrative:	12
	Spectrum (Charter) 9-1-1 VoIP Database Verification Project – June 2024	13
	Bandwidth 9-1-1 VoIP Database Verification Project – June 2024	14
3.	Geographic Information System (GIS) – June 2024	15
	Mapping Layers Updated (Part I)	15
	Mapping Layers Updated (Part II)	16
	Mapping Layers Updated (Part III)	17
	Mapping Layers Updated (Part IV)	18
	Mapping Layers Updated (Part V)	19
	Mapping Layers Updated (Part VI)	20
	Mapping Layers Updated (Part VII)	21
	Geographic Information System (GIS) Narrative	22
	GIS Key Activities/Updates	22
	GIS for 911	22
	Honolulu Police Department TriTech CAD Project	23
	MapFlex System	24
	MapFlex Issues	24
	Speed Limit Updates	24
	Routing id Updates	24
	Honolulu EMS Response Area	25
4.	Service Requests Transactions	26
	Open Service Requests - June 2024	26
	Note:	26





# June 1, 2024 - June 30, 2024

	Service Request Year-to-Date (YTD) Summary – 2024	26
5	E9-1-1 Oahu Civilian Database Synchronization	27
	Two-way (2-way) comparision	27
	Three-way (3-way) comparision	27
	Invalid MSAG Streets and Address Ranges – ESN 199 MSAG & ALI Records Project completed	27





## June 1, 2024 - June 30, 2024

## **1. PSAP OPERATIONS**

## 9-1-1 CALL VOLUME CIVILIAN PSAPS – JUNE 2024

#### Source: Intrado Viper system

	9-1-1 Primary PSAP Call Volume																
Honolulu City & County PSAPs		Wireline		Wireless			VOIP		Calls With No ALI		Admin Calls		Abandoned Calls		Other Calls		
2024	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	Wireless	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		No. of Other Calls	% of Total Calls
June	79,304	9,715	12.25%	65,434	82.51%	13.54%	68.97%	3,021	3.81%	1,134	1.43%	1,453	1.83%	12,830	16.18%	1,013	1.28%

#### 9-1-1 CALL VOLUME CIVILIAN PSAPS – CALENDAR YEAR 2024

						9-1-1	Primary	PSAP Ca	all Volum	ne							
Honolul	Honolulu City & County PSAPs		Wireline		Wireless			VOIP Calls		Calls with No ALI		Admin Calls		Abandoned Calls		Other Calls	
2024	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 Total Call Received	% of Total Calls
JAN	83,354	10,994	13.19%	67,433	80.90%	18.49%	62.41%	3,418	4.10%	1,509	1.81%	1,700	2.04%	12,847	15.41%	1,055	1.27%
FEB	74,426	9,623	12.93%	60,784	81.67%	13.75%	67.92%	2,776	3.73%	1,243	1.67%	1,458	1.96%	11,199	15.05%	887	1.19%
MAR	78,162	10,888	13.93%	63,710	81.51%	14.37%	67.14%	2,955	3.78%	610	0.78%	1,468	1.88%	11,616	14.86%	1,034	1.32%
APR	76,192	42,340	55.57%	32,656	42.86%	7.20%	35.66%	1,471	1.93%	594	0.78%	1,787	2.35%	11,552	15.16%	899	1.18%
MAY	81,040	10,446	12.89%	66,291	81.80%	13.52%	68.28%	2,974	3.67%	1,329	1.64%	1,662	2.05%	12,322	15.20%	954	1.18%
JUNE	79,304	9,715	12.25%	65,434	82.51%	13.54%	68.97%	3,021	3.81%	1,134	1.43%	1,453	1.83%	12,830	16.18%	1,013	1.28%
JULY																	
AUG																	
SEPT																	
ост																	
NOV																	
DEC																	
YTD	472,478	94,006		356,308				16,615		6,419		9,528		72,366		5,842	
MON AVG	78,746	15,668	20.13%	59,385	75.21%	13.48%	61.73%	2,769	3.50%	1,070	1.35%	1,588	2.02%	12,061	15.31%	974	1.24%

## NOTE:

- **\***911 Calls with No ALI for June 2024 = 1.43% Statewide average for 2023 = 0.14%
- Total call volumes do not include Administrative Calls. Administrative calls = Calls originating on Administrative lines that required 911 service.
- 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 **not** included in the Wireline and Wireless total counts respectively.
- All VoIP (Voice over Internet Protocol) types of 911 calls are combined in the Call Volume statistic.



Page 5 of 27



## June 1, 2024 - June 30, 2024

## 9-1-1 CALL VOLUME BY AGENCY – JUNE 2024

				9-1-1	Call Volu	me by Age	ncy			
2024		Hor	nolulu Poli	Honolulu Fire Department						
2024	No. of Total Calls Received	% of Total Calls	Number of Emergency Calls	Number of Non Emergency Calls	Number of Admin Calls	Number of Dropped Calls	No. of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Dropped Calls
June	65,948	83.16%	15,571	36,321	1,226	12,830	3,043	3.84%	136	38

			9	-1-1 Call Volu	me by Agen	су		
2024	En	nergency Mo	edical Servic	es		Ocean	Safety	
	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Dropped Calls	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Dropped Calls
June	9,274	11.69%	74	221	26	0.03%	17	0

## 9-1-1 CALL VOLUME BY AGENCY – CALENDAR YEAR 2024

							9	-1-1 Cal	l Volun	ne by Ag	gency							
2024		Honol	ulu Polio	ce Depar	tment		Honol	ulu Fire	Depart	ment	En	nergenc Serv	•	cal		Ocean	Safety	
	Number of Total Calls Received	% of Total Calls	No. of Emergency Calls	No. of Non Emergency Calls	No. of Admin Calls	No. of Dropped Calls	No. of Total Calls Received	% of Total Calls	No. of Admin Calls	No. of Dropped Calls	No. of Total Calls Received	% of Total Calls	No. of Admin Calls	No. of Dropped Calls	No. of Total Calls Received	% of Total Calls	No. of Admin Calls	No. of Dropped Calls
JAN	69,341	83.19%	15,763	39,205	1,526	12,847	3,078	3.69%	102	32	9,841	11.81%	33	224	39	0.05%	39	0
FEB	62,284	83.69%	14,711	35,072	1,302	11,199	2,692	3.62%	102	32	8,518	11.44%	16	145	45	0.06%	38	0
MAR	65,155	83.36%	15,163	37,155	1,221	11,616	2,799	3.58%	140	27	9,129	11.68%	64	230	45	0.06%	43	0
APR	64,048	84.06%	15,025	35,877	1,594	11,552	2,709	3.56%	112	44	8,489	11.14%	41	230	47	0.06%	40	0
MAY	68,010	83.92%	16,791	37,489	1,408	12,322	2,757	3.40%	147	39	9,284	11.46%	75	214	35	0.04%	32	0
JUNE	65,948	83.16%	15,571	36,321	1,226	12,830	3,043	3.84%	136	38	9,274	11.69%	74	221	26	0.03%	17	0
JULY																		
AUG																		
SEPT																		
ост																		
NOV																		
DEC																		
ΥΤD	394,786		93,024	221,119	8,277	72,366	17,078		739	212	54,535		303	1,264	237		209	0
MON AVG	65,798	83.56%	15,504	36,853	1,380	12,061	2,846	3.62%	123	35	9,089	11.54%	51	211	40	0.05%	35	0





## June 1, 2024 - June 30, 2024

#### **PSAP OPERATION NOTES:**

- A New Class of Service (COS): FIXD = Wireless 911 calls to the PSAP via fixed indoor antennas.
- x (911) calls with the COS of FIXD were added to the Wireless Phase I (WPH 1) percentage total.
- A New Class of Service (COS): WDL1/WDL2 = Wireless 911 calls to the PSAP via fixed indoor antennas with a general location i.e., pool area (WDL1) or a specific area i.e., room 101 (WDL2).
- x (911) calls with the COS of WDL1, or WDL2 were added to the Wireless Phase I or Phase II percentage total.

#### FOR YOUR INFORMATION

	FYIFor Your Information												
	PSAP Operations												
	Statewide 911 Call Volumes												
PSAP	20	23	20	22	202	21	202	20	20	19	20	18	
Oahu Civilian	988,670	68.33%	971,113	69.45%	1,052,026	68.91%	991,016	71.11%	1,075,726	69.67%	1,034,190	70.62%	
<b>RDC Pearl Harbor</b>	36,916	2.55%	31,827	2.28%	39,253	2.58%	37,014	2.66%	37,905	2.45%	37,068	2.53%	
Hawaii County	207,715	14.35%	199,811	14.29%	214,220	14.00%	188,329	13.51%	211,611	13.70%	206,648	14.11%	
Maui County	152,397	10.54%	140,524	10.05%	160,241	10.51%	125,626	9.01%	157,127	10.18%	133,869	9.14%	
Kauai County 61,197 4.23% 54,923 3.93% 60,986 4.00% 51,653 3.71% 61,754 4.00% 52,623 3.60%										3.60%			
Total	1,446,895	100.00%	1,398,198	100.00%	1,526,726	100.00%	1,393,638	100.00%	1,544,123	100.00%	1,464,398	100.00%	

911 Call Volume % in	crease from 2022 to 2023
Oahu	1.80%
RDC	15.99%
Hawaii	3.95%
Maui	8.44%
Kauai	11.42%
State of Hawaii	8.32%

911 Calls with No ALI 9	% average for 2023
Oahu	0.47%
RDC	0.03%
Hawaii	0.04%
Maui	0.13%
Kauai	0.03%
State of Hawaii average	0.14%

State of Hawaii	2023						
TEXT TO 911							
Oahu Civilian	2,724						
RDC Pearl Harbor	66						
Hawaii County	689						
Maui County	581						
Kauai County	211						
*Total	4,271						
*Totals may include PS. testing, and 911 Texti	0.						





## June 1, 2024 - June 30, 2024

	TEXT TO 911 Oahu Civilian PSAPs 2024					
Month	Total	HPD	HFD	EMS	OS	911 (handled)
January	279	221	1	6	0	51
February	292	227	4	1	0	60
March	272	199	5	6	0	62
April	293	201	5	6	0	81
May	308	221	3	3	0	81
June	262	175	6	7	0	74
July						
August						
September						
October						
November						
December						
YTD	1,706	1,244	24	29	0	409
Monthly Avg.	284.3	207.3	4.0	4.8	0.0	68.2

## TEXT TO 911 OAHU CIVILIAN PSAPS – CURRENT MONTH – JUNE 2024

## NOTE:

- Although there is a "Text to 911" plot on the MapFlex, the location of the plot is not dependable. Text to 911 Dispatchers should use their skills to ascertain the exact location of the emergency response.
- The 9-1-1 handled texts were incidents in which the Division conducted testing or the texter texted 911 in error.

#### 911 WIRELESS OAHU CIVILIAN PSAP TESTING – JUNE 2024

	OAHU CIVILIAN - JUNE 2024					
Date	WSP	Sites Tested	Sectors Tested	Tested By:	Test Pass/Fail	Comments:

## NOTES:

• There were no (0) scheduled Wireless 911 Tests for the Oahu Civilian PSAP in June 2024.



Page 8 of 27



## June 1, 2024 - June 30, 2024

## 2. MSAG (MASTER STREET ADDRESS GUIDE)

## OAHU CIVILIAN MSAG TRANSACTIONS CURRENT MONTH/YEAR – JUNE 2024

OAHU		9-1-1 TRANSACTIONS							
CIVILIAN	Total	MSAG	A	LI Submitte	ed	Discre	Open ALI		Customer Addresses
2024	Total	MSAG (A)	TN CR (B)	ALI DR (C)	VoIP (D)	TNCR	ALI DR	VoIP DR	Affected
JANUARY	729	5	724	0	0	4,098	0	0	175
FEBRUARY	319	2	317	0	0	3,690	0	0	0
MARCH	160	0	160	0	0	4,062	0	0	0
APRIL	232	0	232	0	0	4,094	0	0	0
MAY	233	11	222	0	0	4,404	0	0	5
JUNE	232	4	228	0	0	4,370	0	0	75
JULY									
AUGUST									
SEPTEMBER									
OCTOBER									
NOVEMBER									
DECEMBER									
TOTAL YTD	1,905	22	1,883	0	0				255
AVG PER MONTH	318	4	314	0	0				43

#### \* TNCR Note

V2X submitted an additional 794 transactions that Intrado has not processed in the month of June due to personnel issues

#### Definitions

(A)**M**aster **S**treet **A**ddress **G**uide - Represents corrections made to street records including, street names, address ranges, MSAG Communities and ESNs.

(B) **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 199 attached to them which indicates the need for validation.

(C) Automatic Location Information Discrepancy Record - Represents an address discrepancy discovered during a live 9-1-1 call, from a landline. These record corrections are treated with a higher priority and should be processed within 48 hours as a general guideline.

(D) Voice over Internet Protocol Discrepancy Record - Represents an address discrepancy discovered during a live 9-1-1 call, from a VoIP phone. These record corrections are treated with a higher priority and should be processed within 72 hours as a general guideline per Time Warner Operations Center. MSR tracking effective April 2014.





## June 1, 2024 - June 30, 2024

#### OAHU CIVILIAN MSAG CURRENT MONTH NOTES:

A total of **232** MSAG transactions were processed in 9-1-1 Net during the current reporting month. Four (4) requests were processed relating to the MSAG database which 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 seventy-five customer ANI/ALI (telephone/address) records updated as a direct result.

#### OAHU CIVILIAN TELEPHONE RECORD (ALI) TRANSACTIONS CURRENT MONTH NOTES:

V2X (formerly Akimeka) processed two hundred twenty-eight (228) TN CRs related to the Dispatchable Location Project during the current month.

#### OAHU CIVILIAN OPEN TELEPHONE RECORD (ALI) DISCREPANCY STATUS:

• There are currently 4,370 Open TN CRs.

**4,370** Open TN CR transactions are a result of the Dispatchable Location project. V2X (formerly Akimeka) continues to monitor and track the progress of the Referred records. Once a telephone number is submitted to Intrado for correction, it must be verified against HT records and/or approved by the customer. Intrado's internal process requires calling each telephone customer individually for approval to update an address in the 9-1-1 database.

- There are no Open ALI-DRs as of June 30, 2024
- There is no Open VoIP DRs as of June 30, 2024





## June 1, 2024 - June 30, 2024

## TNCR (TELEPHONE NUMBER CHANGE REQUEST) CURRENT STATUS – JUNE 2024

## 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 Intrado 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 V2X FORMERLYAKIMEKA	OPENED TNCRS PENDING FURTHER ACTION BY INTRADO	OPENED TNCRS REFERRED TO TELCO BY INTRADO	TOTAL UNOPENED TNCR RECORDS
OAHU CIVILIAN	4,370	2	3,574	794

#### **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.

**<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 Intrado 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 V2X formerly Akimeka on behalf the PSAP; however, processing by the 9-1-1 Database Service Provider Data Analyst has not begun.





## June 1, 2024 - June 30, 2024

## DISPATCHABLE LOCATION – STATUS AS OF – JUNE 2024

#### NARRATIVE:

During the August 2015 State of Hawaii 911 Board meeting, V2X (formerly 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, V2X (formerly 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), V2X (formerly Akimeka) standardized an additional information data format to proceed with this project.

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. The Windward Mall will be the pilot location starting in May 2018. There were 0 transactions submitted and 200 processed in June 2024.

	Dispatchable Location					
2024 Quarter 2	Common Name Place MSAG Address	TNCR* Transactions Submitted	Transactions Processed**			
Quarter 1 Carryover		37,540	22,110			
	The Kahala Hotel and Resort, 5000 Kahala Ave, Kahala	0	9			
	Kalani High School, 4680 Kalanianaole Hwy, Waialae	0	26			
	Kapiolani Community College, 4303 Diamond Head Rd, Kahala	0	101			
	Kuono Marketplace, 4210 Waialae Ave, Waialae	0	22			
	Finance Factors Center, 3402-3408 Waialae Ave, Kaimuki	0	9			
	Central Pacific Bank Kaimuki Plaza, 3465 Waialae Ave, Kaimuki	0	3			
June	Kahala Mall, 4211 Waialae Ave, Kaimuki	0	1			
	Kahala Towers, 4300 Waialae Ave, Waialae	0	1			
	The Regency At Kahala, 4340 Pahoa Ave, Kaimuki	0	1			
	US Post Office, 4354 Pahoa Ave, Kaimuki	0	22			
	Ala Wai Plaza, 500 University Ave, McCully	0	1			
	Niu Valley Center, 549 Halemaumau St, Aina Haina	0	2			
	7 Eleven, 565 Halemaumau St, Aina Haina	0	2			
Q2		559	654			
Total		38,099	22,764			





## June 1, 2024 - June 30, 2024

## SPECTRUM (CHARTER) 9-1-1 VOIP DATABASE VERIFICATION PROJECT – JUNE 2024

V2X (formerly 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 V2X (formerly Akimeka) has access to these ALI Records, V2X (formerly 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 V2X FORMERLY 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 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

\*\* V2X (formerly Akimeka) provided VoIP Records with Latitude/Longitude coordinates

(A)	VoIP Database records submitted by Spectrum to V2X (formerly Akimeka) for research and MSAG address validation.
	V2X formerly Akimeka has researched and verified the VoIP record against an MSAG valid address and GIS data. V2X formerly Akimeka
<b>(B</b> )	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.
( <b>C</b> )	Verifcation Process Completed.





## June 1, 2024 - June 30, 2024

#### BANDWIDTH 9-1-1 VOIP DATABASE VERIFICATION PROJECT – JUNE 2024

V2X (formerly 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 V2X (formerly Akimeka) has access to these ALI Records, V2X (formerly 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.

V2X (formerly Akimeka) will update the chart below as we receive updated ALI records from Bandwidth.

9-1-1	*Bandwidth 9-1-1 VoIP Database Verification Project ***(Updated)					
PSAP	TOTAL RECORDS SUBMITTED BY BANDWIDTH (A)	TOTAL NO MATCHING RECORDS IDENTIFIED BY V2X (FORMERLY AKIMEKA)	BANDWIDTH FALLOUT RECORDS (B)	NON MATCHING RECORDS CORRECTED BY V2X (FORMERLY AKIMEKA) (C)	PERCENT COMPLETED	
WAII County	2,126	97	16	106	93.81%	
AUAI County	555	75	3	73	93.59%	
AUI County	1,794	60	14	69	93.24%	
AHU Cilivian	12,898	1,556	44	1,590	99.38%	
<b>AHU Military</b>	173	156	11	163	97.60%	
TOTAL	17,546	1,944	88	2,001	95.52%	

\*Bandwidth VoIP Database received on April 5th, 2018 \*\*Updated Bandwidth VoIP Database received on September 6th, 2018 \*\*\* Updated Bandwidth VoIP Database received on October 1st, 2021

(A)	VoIP Database records submitted by Bandwidth to V2X formerly Akimeka for research and MSAG address validation.
( <b>B</b> )	VoIP records identified by Bandwidth as fallout records. These records contain invalid MSAG addressing information which can include house number, street name/suffix, or MSAG community.
( <b>C</b> )	Verifcation Process Completed.



June 2024



## June 1, 2024 - June 30, 2024

## 3. GEOGRAPHIC INFORMATION SYSTEM (GIS) – JUNE 2024

## MAPPING LAYERS UPDATED (PART I)

	OAHU CIVILIAN PSAPS				
Type of Layer	V2X formerly Akimeka GIS Server Date Created/ Edits Performed	. Other/Remarks			
CRITICAI	9-1-1 PUBLIC	SAFETY LAYERS FOR DISPATCH & RESPONSE			
		(Listed Alphabetically)			
	6/28/2024	Next Delivery 7/12/2024 Added new address point for one hundred and twenty-six (126) records			
	To 6/30/2024	in Waikiki Corrected spatial, corrected location type for one (1) record in Waikiki			
		Delivered 6/28/2024			
		Added new address point for one (1) record in Nuuanu Corrected TMK for one hundred and seventy-four (174) records in			
		Waialae			
		Corrected spatial for one hundred and sixty-nine (169) records in Aina Haina			
		Added new address point for two (2) records in Aiea			
		Added location name for one (1) record in Waimanalo			
Address Points		Added new address point for one (1) record in Kailua			
	6/14/2024	Corrected TMK for one (1) record in Hawaii Kai			
	То	Corrected TMK for four (4) records in Kaneohe			
	6/27/2024	Added new address point for one (1) record in Kahala			
		Added new address point for two (2) records in Kalihi			
		Corrected routing ID, added location name, added location type,			
		corrected spatial added apartment for one (1) record in Waialae			
		Added new address point for two (2) records in Aina Haina			
		Added new address point for one (1) record in Hawaii Kai			
		Corrected spatial, corrected location type for one (1) record in Waikiki			
		Corrected spatial for two (2) records in Waimanalo			
		Added new address point for two (2) records in Waimanalo			
		Corrected census tract for twenty-eight (28) records in Waipio			





## June 1, 2024 - June 30, 2024

## MAPPING LAYERS UPDATED (PART II)

		OAHU CIVILIAN PSAPS	
Type of Layer	V2X formerly Akimeka GIS Server Date Created/ Edits Performed	Other/Remarks	
CRITICAI	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)		
Address Points	6/14/2024 To 6/27/2024	Corrected TMK for ten (10) records in Waimanalo Added new address point for nine hundred and eighty (980) records in Waikiki Added new address point for five (5) records in Kaneohe Added new address point for two (2) records in Ewa Beach Corrected spatial for one hundred and twenty-nine (129) records in Waikiki Corrected address for one (1) record in Kalihi Corrected routing ID for three (3) records in Waipio Corrected routing ID for three (3) records in Waipio Corrected routing ID, added location name, added location type, corrected spatial, added apartment for twenty-seven (27) records in Waialae Corrected street name for one (1) record in Ewa Beach Added location name, added location type, corrected spatial, added apartment for twenty-four (24) records in Waialae Added new address point for one (1) record in Moanalua V Corrected spatial, added location name, added location type for one (1) record in Waikiki Added new address point for eighty (80) records in Waipio Corrected spatial, added location type for one (1) record in Waikiki Corrected spatial, added location type for one (1) record in Waikiki Corrected spatial, added location type for one (1) record in Waikiki Corrected spatial, added location type for one (1) record in Waikiki Corrected spatial, added location type for one (1) record in Waikiki Corrected spatial, added location type for one (1) record in Waikiki Corrected spatial, added location type for one (1) record in Waikiki	





## June 1, 2024 - June 30, 2024

## MAPPING LAYERS UPDATED (PART III)

		OAHU CIVILIAN PSAPS
Type of Layer	V2X formerly Akimeka GIS Server Date Created/ Edits Performed	. Other/Remarks
CRITICAI	9-1-1 PUBLIC	SAFETY LAYERS FOR DISPATCH & RESPONSE
		(Listed Alphabetically)
		Delivered 6/14/2024
		Corrected TMK for one hundred and seventy-nine (179) records in Waialae
		Added new address point for one (1) record in Aiea
		Removed location name for three (3) records in Haleiwa
		Added new address point for two (2) records in Kailua
		Added new address point for one (1) record in Hauula
		Added new address point for one (1) record in Kalihi
		Corrected spatial for three (3) records in Nuuanu
		Added new address point for one (1) record in Waipahu
		Added new address point for two (2) records in Kaimuki
Address Points	6/1/2024 To	Corrected routing ID, added floor, corrected spatial for twenty-four (24) records in Kapolei
	6/13/2024	Corrected routing ID for fourteen (14) records in Ewa Beach
		Corrected routing ID, corrected spatial for nineteen (19) records in Kapolei
		Added new address point for two (2) records in Pearl City
		Added new address point for one (1) record in Aina Haina
		Added new address point for two (2) records in Haleiwa
		Added new address point for one thousand, four hundred and fifty-
		seven (1457) records in Waikiki
		Corrected routing ID, corrected spatial, added floor for twenty-four (24)
		records in Ewa Beach
		Corrected civic house for one (1) record in Ewa Beach
		Added new address point for one (1) record in Manoa





## June 1, 2024 - June 30, 2024

## MAPPING LAYERS UPDATED (PART IV)

OAHU CIVILIAN PSAPS						
V2X formerly Akimeka GISType of LayerServerDate Created/ Edits Performed		. Other/Remarks				
CRITICAI	<b>9-1-1 PUBLIC</b>	SAFETY LAYERS FOR DISPATCH & RESPONSE				
		(Listed Alphabetically)				
		Added location name for three (3) records in Kaimuki				
		Added location name for one (1) record in Kapahulu				
		Added new address point for five (5) records in Kaneohe				
		Added new address point for one (1) record in Makakilo				
		Added new address point for two (2) records in Ewa Beach				
		Added new address point for one (1) record in Waipio				
	6/1/2024 To 6/13/2024	Corrected routing ID, corrected spatial, added floor for twelve (12)				
		records in Kapolei				
		Corrected routing ID for one (1) record in Haleiwa				
		Corrected spatial for three (3) records in Waikiki				
Address Points		Corrected spatial, corrected location name for one (1) record in Waikiki				
		Corrected spatial for five (5) records in Haleiwa				
		Corrected routing ID, corrected spatial for sixteen (16) records in Ewa				
		Beach				
		Corrected spatial for seven (7) records in Ewa Beach				
		Corrected spatial for ten (10) records in Makaha				
		Corrected spatial for four (4) records in Kailua				
		Added new address point for one (1) record in Maili				
		Corrected routing ID for five (5) records in Kapolei				
		Corrected house number for one (1) record in McCully				
		Corrected census tract for one (1) record in Makaha				
Airports						
AMR Response Areas						
Bridges Building Examints						
<b>Building Footprints</b>						





## June 1, 2024 - June 30, 2024

## MAPPING LAYERS UPDATED (PART V)

OAHU CIVILIAN PSAPS					
Type of Layer	V2X formerly Akimeka GIS Server Date Created/ Edits Performed	Other/Remarks			
CRITICAI	L 9-1-1 PUBLIC	SAFETY LAYERS FOR DISPATCH & RESPONSE			
		(Listed Alphabetically)			
Bus Stops					
Churches					
Coastal Names					
Coastline					
Common Places					
<b>Correctional Facilities</b>					
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					





## June 1, 2024 - June 30, 2024

## MAPPING LAYERS UPDATED (PART VI)

OAHU CIVILIAN PSAPS					
Type of Layer	V2X formerly Akimeka GIS Server Date Created/ Edits Performed	Other/Remarks			
CRITICAI	L 9-1-1 PUBLIC	SAFETY LAYERS FOR DISPATCH & RESPONSE			
		(Listed Alphabetically)			
Incident Response Areas					
Lodging					
Major Roads					
Medic Beats					
Medic Districts					
Medic Response Areas					
Medic Stations					
Medical Facilities					
Milepost Markers					
Military Response Areas					
MSAG Communities					
Net Junctions					
Ocean Rescue Boundaries					
Ocean Safety					
Parcels					
Parks					
Parks Polygon					
Points of Interest					
Police Beats					
Police Districts					
Police Response Areas					
Police Stations					
Post Offices					
Schools					





## June 1, 2024 - June 30, 2024

## MAPPING LAYERS UPDATED (PART VII)

OAHU CIVILIAN PSAPS							
Type of Layer	V2X formerly Akimeka GIS Server Date Created/ Edits Performed	Other/Remarks					
CRITICAI	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)						
	6/14/2024	Delivered 6/28/2024					
	То	Corrected range for one (1) record in Pearl City					
	6/27/2024	Corrected range for two (2) records in Waipio					
		Delivered 6/14/2024					
Street Centerlines		Added ingress for forty-four (44) records in Kapolei					
Street Centernnes	6/1/2024	Corrected civic street range for one (1) record in Ewa Beach					
	To 6/13/2024	Corrected range for one (1) record in Ewa Beach					
		Added ingress for eight (8) records in Ewa Beach					
		Split segment, corrected range for three (3) records in Kapolei					
		Split segment, corrected range for three (3) records in Ewa Beach					
Subdivisions							
Tow Jurisdictions							
<b>Tsunami Evacuation Zones</b>							
Tsunami Heights							
Waste Water Plants							
	6/14/2024 To 6/27/2024	Delivered 6/28/2024					
		Added thirty-five (35) sectors per Verizon Wireless CRS					
WSP Cell Sectors		Updated thirteen (13) sectors per Verizon Wireless CRS					
	6/1/2024	Delivered 6/14/2024					
	To 6/13/2024	Updated one hundred and thirteen (113) sectors per AT&T CRS					
		Added sixty-two (62) sectors per AT&T CRS					
		Updated eight (8) sectors per Verizon Wireless CRS					
WSP Cell Towers							





## June 1, 2024 - June 30, 2024

#### GEOGRAPHIC INFORMATION SYSTEM (GIS) NARRATIVE

#### GIS KEY ACTIVITIES/UPDATES

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

Date	Key Activities/Updates
06/14/24	HPD TriTech Deliverable: Delivered data update for Central Square including Streets, Police Beats, and Address Points (with and without the apartment records).
06/14/24	TriTech Deliverable: Delivered Street Centerlines, Address Points, Fire Response Areas, Medic Response Areas, and Display Address Points to HFD, EMS, and Ocean Safety for TriTech CAD.
06/14/24	MapFlex Civilian Deliverable: Delivered Address Points, Common Places, Street Centerlines, Police Response Areas, Fire Response Areas, Medic Response Areas, Ocean Safety Response Areas, ESN, MSAG Communities, Cell Towers, Cell Sectors to the Honolulu MapFlex system for HPD, HFD, EMS, and Ocean Safety.
06/28/24	HPD TriTech Deliverable: Delivered data update for Central Square including Streets, Police Beats, and Address Points (with and without the apartment records).
06/28/24	TriTech Deliverable: Delivered Street Centerlines, Address Points, Fire Response Areas, Medic Response Areas, and Display Address Points to HFD, EMS, and Ocean Safety for TriTech CAD.
06/28/24	MapFlex Civilian Deliverable: Delivered Address Points, Common Places, Street Centerlines, Police Response Areas, Fire Response Areas, Medic Response Areas, Ocean Safety Response Areas, ESN, MSAG Communities, Cell Towers, Cell Sectors to the Honolulu MapFlex system for HPD, HFD, EMS, and Ocean Safety.

## GIS FOR 911

As part of ensuring GIS data compatibility with 911 CAD systems, V2X (formerly Akimeka) removed certain spatial characteristics of street centerlines known as "true curves". True, or geometric, curves are sometimes used in the street centerline layer to depict a road that curves in a circular (or semi-circular) fashion, like a round-about or a cul-de-sac. These features can cause processing issues in CAD and GIS software, and therefore were replaced with a series of points that depict the same geometry without the use of a geometric, or true curve.





## June 1, 2024 - June 30, 2024

## HONOLULU POLICE DEPARTMENT TRITECH CAD PROJECT

On October 10, 2018, V2X (formerly Akimeka) participated along with the CAD project team of the Honolulu Police Department on a teleconference GIS kickoff meeting with the TriTech CAD Company. Items that were discussed were GIS requirements for the CAD and RMS systems.

On October 25, 2018, V2X (formerly Akimeka)'s initial delivery of 11 GIS layers to the TriTech FTP site included: Address Points, Airports, Coastline, Fire Response Areas, Medic Response Areas, MSAG Communities, Parks, Police Beats, State Boundary, Streams, and Street Centerlines.

Two spreadsheets describing the layers were also provided on the FTP site.

During the month of July 2022, the Honolulu Police Department (HPD) requested an updated map of the Police Sectors and Police Beats for District 8. The updates for District 8 have been loaded into the CAD as of July 22, 2022.

- 1. District 8 now consists of 4 sectors. Sector 3 was divided in two to create a new Sector 4.
  - Sector 1 includes Beats 850, 852, 854, 856.
  - Sector 2 includes Beats 857, 858, 860, 861, 863.
  - Sector 3 includes Beats 865, 867, 870, 871, 872.
  - Sector 4 includes Beats 874, 875, 876, 877, 878, 879.
- 2. The boundaries for the following beats were updated:
  - Beats 850 and 852 was updated to follow the south boundary of Makaha Valley Country Club instead of Noholio Rd and Makaha Valley Rd. Beat 852 takes care of everything north of Noholio Rd up to the south boundary of Makaha Valley Country Club.
  - Beats 857 and 858 was updated to follow Saint Johns Road down to Farrington Highway and to the shoreline of Maili Beach Park instead of following Mailiili Stream. Beat 857 takes care of everything west of Saint Johns Road and Beat 858 takes care of everything east of Saint Johns Road.
  - Beats 861 and 863 was updated to follow Nanakuli Avenue south to Farrington Highway then along the west fence line of Nanakuli Beach Park. Beat 861 takes care of everything west of Nanakuli Ave and Beat 863 takes care of everything east of Nanakuli Ave.
  - Beat 863 was updated to take care of Waimanalo Gulch. Everything east of Waimanalo Gulch up to Palailai Gulch has been assigned to Beat 865.
  - Ka Makana Alii mall in Kapolei has been assigned to Beat 871 instead of Beat 872.
  - Honouliuli Water Treatment has been assigned to Beat 874 instead of Beat 871.
  - Beats 872 and 879 has been updated to follow Kualakai Parkway as their division boundary instead of cutting through the newly developed area that continues to be developed.
  - Beat 874 has been updated to follow Kualakai Parkway instead of the western fence line along the Ewa Villages Golf Course.
  - Beats 877 and 878 has been updated to follow the NAVMAG West Loch fence line instead of cutting through the agriculture area near Iroquois Road.





## June 1, 2024 - June 30, 2024

#### MAPFLEX SYSTEM

June 2024

V2X (formerly Akimeka) delivered GIS data to the MapFlex system on the following dates in June 2024 **Hawaii County** – June 11, 2024, and June 25, 2024 **Maui County** – June 12, 2024, and June 26, 2024 **Kauai County** – June 13, 2024, and June 27, 2024 **Honolulu** – June 14, 2024, and June 28, 2024

#### MAPFLEX ISSUES

The MapFlex issues are archived in the 2021 Monthly Status Report. Should the existing issues be addressed, this report will be reopened and tracked.

#### SPEED LIMIT UPDATES

Beginning in April 2017, and now that the Street Centerline data has achieved not only an above 98% synchronization rating but also a high degree of accuracy in the spatial accuracy, a new project to correct speed limits has begun. The project is beginning in Waimanalo and continuing in a counterclockwise patter around the island of Oahu. The initial focus is on Highways, Freeways, and other major roads, but also not limited to additional corrections, especially those which are immediately identified to positively impact vehicle routing, etc.

All updates are shared directly with the PSAPs and the agency most affected (positively) is HFD since they actively use vehicle routing, and this will assist in better CAD unit recommendations. During each GIS deliverable, a list of updates is being provided.

1. No updates received in June 2024.

#### ROUTING ID UPDATES

Beginning in July 2019, all Address Points and Points of Interests will be assigned a Routing ID to ensure that routing to these addresses are correct. The project is beginning in Waimanalo and continuing in a counterclockwise pattern around the island of Oahu.

All updates are shared directly with the PSAPs and the agency most affected (positively) is HFD since they actively use vehicle routing, and this will assist in better CAD unit recommendations. During each GIS deliverable, a list of updates is being provided.

1. During the month of June 2024, there were no Routing IDs added. As of May 2024, the Routing ID updates has been completed for all address points and points of interest. Any new address points and points of interest will be assigned a Routing ID.





## June 1, 2024 - June 30, 2024

## HONOLULU EMS RESPONSE AREA

During the month of December 2017, EMS requested a high-resolution map of the Honolulu Response Area which will be divided into 5 separate response areas to better support the EMS operations and ambulance response times.

- 1. With HPD's approval, V2X (formerly Akimeka) prepared a map of the requested area and provided to EMS on December 12, 2017.
- 2. Considering the additional response areas will certainly require the creation of additional ESZ/ESNs; HPD, EMS, and V2X (formerly Akimeka) will be coordinating so that the project can be mapped out on a timeline so that the changes can take place while maintaining an above 99% synchronization level between GIS, MSAG, and ALI.
- 3. An operational consideration has already begun a discussion, in that the military ESNs will be reallocated to a new numbering so that both civilian and military responses will have enough ESNs to support their individual operations.
- 4. During the first half of 2018, there will be further discussion on the creation of the new Response Areas, allocation of military ESNs, and creation of new ESZs/ESNs.
- 5. During the month of October 2019, EMS requested an updated map of the Honolulu Medic Response Area which was divided based on drive time analysis. There are now 21 (twenty-one) Medic Response Areas in Oahu.
- 6. During the month of August 2021, EMS requested an updated map of the Honolulu Medic District and Honolulu Medic Response Area which were extended out from the coastline. A Medic District was also added. There are now three (3) Medic Districts.
- 7. During the month of January 2022, there was a quarterly update to the Honolulu Medic Response Area.
- 8. During the month of May 2022, there was a quarterly update to the Honolulu Medic Response Area.
- 9. During the month of November 2022, there was a quarterly update to the Honolulu Medic Response Area.
- 10. During the month of May 2023, there was a quarterly update to the Honolulu Medic Response Area.
- 11. During the month of August 2023, there was a quarterly update to the Honolulu Medic Response Area.
- 12. During the month of January 2024, EMS requested an additional EMS District (District 4). The new boundaries include EMS Station Response Areas Kahuku, Waialua, Wahiawa, Waipio, and Aiea. There are now four (4) Medic Districts





## June 1, 2024 - June 30, 2024

## 4. SERVICE REQUESTS TRANSACTIONS

OPEN SERVICE REQUESTS - JUNE 2024

#	Date	Ticket #	Description	Category	Urgency	Comments
			None			

## NOTE:

## There are no (0) open service requests for June 2024.

## SERVICE REQUEST YEAR-TO-DATE (YTD) SUMMARY – 2024

Oahu PSAPs				MSAG SERVICE REQUEST CATEGORIES					
0004	TOTAL		0	WIRELINE		WIRELESS		VolP	
2024	Created	Closed	Open	Created	Closed	Created	Closed	Created	Closed
2023 Carryover*			0						
January	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0
Мау	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0
July									
August									
September									
October									
November									
December									
TOTAL	0	0	0	0	0	0	0	0	0

	Category	Description
	Wireline	Telephone Number (ALI) Discrepancies from land line phones that have been submitted to Intrado via 9-1-1 Net for correction.
<u>Definitions:</u>	Wireless	Telephone Number (ALI) Discrepancies from phones that were land lines at one time, and were ported out to a wireless carrier. How ever, 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 (TWCBL) or other VoIP providers for correction





## June 1, 2024 - June 30, 2024

## 5. E9-1-1 OAHU CIVILIAN DATABASE SYNCHRONIZATION

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

# **Next Scheduled Database Synchronization Report – July 2024**

TWO-WAY (2-WAY) COMPARISION

THREE-WAY (3-WAY) COMPARISION

INVALID MSAG STREETS AND ADDRESS RANGES – ESN 199 MSAG & ALI RECORDS PROJECT COMPLETED

