

Oahu Civilian E9-1-1

Status Report

March 1, 2015 – March 31, 2015

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1. PSAP OPERATIONS

9-1-1 CALL VOLUME – MARCH 2015

(Source: Intrado Viper)

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

9-1-1 Primary PSAP Call Volume																	
Honolulu City & County PSAPs		Wireline		Wireless				VOIP		Calls With No ALI		Admin Calls		Abandoned Calls		Other Calls	
2015	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
March	82,861	19,853	23.96%	60,232	72.69%	50.43%	22.26%	2,751	3.32%	41	0.05%	2,286	2.76%	11,822	14.27%	674	0.81%

9-1-1 CALL VOLUME – CALENDAR YEAR 2015

9-1-1 Primary PSAP Call Volume																	
Honolulu City & County PSAPs		Wireline		Wireless				VOIP Calls		Calls with No ALI		Admin Calls		Abandoned Calls		Other Calls	
2015	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	82,328	19,792	24.04%	59,531	72.31%	49.23%	23.08%	2,939	3.57%	66	0.08%	2,171	2.64%	11,306	13.73%	618	0.75%
FEB	77,047	18,692	24.26%	55,782	72.40%	49.78%	22.62%	2,504	3.25%	62	0.08%	1,790	2.32%	10,656	13.83%	600	0.78%
MAR	82,861	19,853	23.96%	60,232	72.69%	50.43%	22.26%	2,751	3.32%	41	0.05%	2,286	2.76%	11,822	14.27%	674	0.81%
APR																	
MAY																	
JUNE																	
JULY																	
AUG																	
SEPT																	
OCT																	
NOV																	
DEC																	
YTD	242,236	58,337		175,545				8,194		169		6,247		33,784		1,892	
MON AVG	80,745	19,446	24.09%	58,515	72.47%	49.81%	22.65%	2,731	3.38%	56	0.07%	2,082	2.57%	11,261	13.94%	631	0.78%

NOTE:

- * Calls with no Ali 0.05% - Statewide average = 0.11%

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9-1-1 CALL VOLUME BY AGENCY – MARCH 2015

2015	9-1-1 Call Volume by Agency									
	Honolulu Police Department						Honolulu Fire Department			
	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
March	70,656	85.27%	19,470	38,194	1,170	11,822	2,954	3.57%	108	0

2015	9-1-1 Call Volume by Agency							
	Emergency Medical Services				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
March	8,517	10.28%	949	86	60	0.07%	59	16

9-1-1 CALL VOLUME BY AGENCY – CALENDAR YEAR 2015

2015	9-1-1 Call Volume by Agency																	
	Honolulu Police Department						Honolulu Fire Department				Emergency Medical Services				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	70,213	85.28%	19,601	38,128	1,178	11,306	2,597	3.15%	122	0	8,814	10.71%	787	110	86	0.10%	84	4
FEB	65,139	84.54%	18,691	34,812	980	10,656	2,552	3.31%	83	0	8,679	11.26%	652	89	77	0.10%	75	3
MAR	70,656	85.27%	19,470	38,194	1,170	11,822	2,954	3.57%	108	0	8,517	10.28%	949	86	60	0.07%	59	16
APR																		
MAY																		
JUNE																		
JULY																		
AUG																		
SEPT																		
OCT																		
NOV																		
DEC																		
YTD	206,008		57,762	111,134	3,328	33,784	8,103		313	0	26,010		2,388	285	223		218	23
MON AVG	68,669	85.03%	19,254	37,045	1,109	11,261	2,701	3.34%	104	0	8,670	10.75%	796	95	74	0.09%	73	8

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PSAP OPERATION NOTES:

- Total call volumes does 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.

FYI.....FOR YOUR INFORMATION

FYI For Your Information				
MOBI PCS is in the process of decommissioning their radio network (Cell Towers) statewide.				
All 911 calls originating from Mobi customers will be on the Sprint PCS Network				
Database Synchronization (MSAG database vs GIS database)				
County	As of (Date)	Percentage %		
Hawaii County	February 1, 2015	99.14%		
Kauai County	January 1, 2015	99.90%		
Maui County	March 1, 2015	100.00%		
Oahu Civilian	January 1, 2015	99.70%		
Statewide Average	March 1, 2015	99.69%		
*Statewide average of the Database Synchronization between the MSAG and GIS Database = 99.69%				
NENA's recommended match rate for Next Generation implementation is 98%.				
* Statewide averages does not include the Military databases.				

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WIRELESS PSAP TESTING – MARCH 2015

OAHU CIVILIAN - MARCH 2015						
Date	WSP	Sites Tested	Sectors Tested	Tested By:	Test Pass/Fail	Comments:
None						

NOTES:

- There were no scheduled Wireless 911 Tests for the Oahu Civilian PSAP in March 2015.

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2. MSAG (MASTER STREET ADDRESS GUIDE)

CURRENT MONTH – MARCH 2015

OAHU CIVILIAN	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
MAR	715	694	1	7	1	12	20,371

MSAG CURRENT MONTH NOTES:

A total of **1,232** MSAG transactions were processed in 9-1-1 Net during the month of March 2015. **715** requests were processed relating to the MSAG database, and **517** requests relating to the ALI database (see ALI Transaction chart on next page). There were **20,371** customer ANI/ALI (telephone/address) records updated as a direct result.

MSAG YEAR-TO-DATE (YTD) SUMMARY – 2015

OAHU CIVILIAN	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
JAN	40	25	2	13	0	0	405
FEB	7	4	0	2	1	0	202
MAR	715	694	1	7	1	12	20,371
APR							
MAY							
JUNE							
JULY							
AUG							
SEPT							
OCT							
NOV							
DEC							
TOTAL YTD	762	723	3	22	2	12	20,978
AVG PER MONTH	254	241	1	7	1	4	6,993

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ALI TRANSACTIONS CURRENT MONTH – MARCH 2015

OAHU CIVILIAN		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	TOTAL	TN CR (A)	ALI-DR (B)	VoIP DR (C)	TN CR	ALI-DR	VoIP DR
MAR	517	516	1	0	242	0	0

Definitions
(A) Telephone Number Change Request - 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.
(B) 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.
(C) 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.

ALI TRANSACTIONS CURRENT MONTH NOTES:

516 Telephone Number Change Requests (TN CR) processed in 9-1-1Net for updates and corrections to the ALI database. Streets and address ranges were validated against the GIS to ensure synchronization and an MSAG address was provided to the Telco. TN CRs must be validated against HT records and approved by the end user Hawaiian Telcom customer before updating the ALI record.

OPEN DISCREPANCY RECORDS STATUS:

- **There are 242 Open Telephone Number Change Requests as of March 31, 2015.**
- **Refer to chart in the next section “TNCR Current Status”**

The TNCRs are a direct result of the ESN 199 clean-up and are awaiting approval from Hawaiian Telcom, Inc. 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.

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There are zero (0) Open ALI-DRs as of March 31, 2015.

There are zero (0) Open VoIP DRs as of March 31, 2015.

ALI TRANSACTIONS YEAR-TO-DATE (YTD) SUMMARY – 2015

OAHU CIVILIAN		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	TOTAL	TN CR	ALI-DR	VoIP DR	TN CR	ALI-DR	VoIP DR
JAN	155	153	2	0	328	0	0
FEB	139	139	0	0	245	0	0
MAR	517	516	1	0	242	0	0
APR							
MAY							
JUNE							
JULY							
AUG							
SEPT							
OCT							
NOV							
DEC							
TOTAL YTD	811	808	3	0			
AVG PER MONTH	270	269	1	0			

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TNCR (TELEPHONE NUMBER CHANGE REQUEST) CURRENT STATUS – MARCH, 2015

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 AKIMEKA	OPENED TNCRS PENDING FURTHER ACTION BY INTRADO	OPENED TNCRS REFERRED TO TELCO BY INTRADO	TOTAL UNOPENED TNCR RECORDS
OAHU CIVILIAN	242	12	106	124

STATUS
TOTAL TNCRs SUBMITTED - The total number of TNCR requests for modification that have been submitted in 9-1-1 NET.
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 Intrado Data Analysts assigns this status to a TNCR and the request is referred to the telephone service providers for further research.
TOTAL UNOPENED TNCR RECORDS STATUS - 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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MSAG COMMUNITIES PROJECT

MSAG COMMUNITY AND STREET SEGMENT SWEEP – PHASE VII

MSAG Community and Street Segment Sweep – Phase VII

Subsequent to the completion of the MSAG Community and Street Segment Sweep - Phase V work on **June 27, 2014**, and the Database Synchronization Phase VI in **July 2014**, a project plan for Phase VII, with regards to the spatial accuracy of Street Centerlines, was approved by the Honolulu Police Department on **July 31, 2014**. The MSAG Community and Street Segment Sweep – Phase VII project is aimed to identify and correct the spatial accuracy of Street Centerlines throughout the island of Oahu, through a methodical counter-clockwise approach, following the same community correction path in the previous phases, to ultimately increase the accuracy of the data and to be in compliance with NENA standards. Street Centerlines that are corrected through this process will then achieve the NENA recommended standard of being accurate to within 10 feet or less.

Below is the latest Phase VII work effort as of **March 31, 2015**:

MSAG COMMUNITY (In Order of Effort)	MSAG COMMUNITY AND STREET SEGMENT SWEEP -- PHASE VII				GIS UPDATES	
	TARGET START DATE	TARGET COMPLETION DATE	AKIMEKA COMPLETION DATE	NOTES/COMMENTS	DATE GIS DELIVERED TO HPD	DATE GIS LOADED TO CAD BY HPD
Waimanalo	08/01/14	08/12/14	08/09/14		08/11/14	08/22/14
Kailua	08/13/14	09/16/14	09/11/14		09/19/14	09/26/14
Kaneohe	09/17/14	10/24/14	10/27/14	Completed 1 business day behind schedule due to approved special requests	10/31/14	11/07/14
Kahaluu	10/27/14	11/04/14	10/29/14			
Kaaawa	11/05/14	11/07/14	10/31/14		11/14/14	11/21/14
Punaluu	11/10/14	11/11/14	11/05/14			
Hauula	11/12/14	11/17/14	11/06/14			
Laie	11/18/14	11/24/14	11/14/14			
Kahuku	11/25/14	12/02/14	11/25/14		11/28/14	12/08/14
Sunset	12/03/14	12/10/14	12/08/14		12/12/14	12/18/14
Haleiwa	12/12/14	12/24/14	01/14/15	There are many farming and cane roads that require lengthy and detailed editing, slowing down progress	01/23/15	02/05/15
Wahiawa	01/02/15	01/21/15	02/03/15		02/06/15	02/13/15
Waialua	01/22/15	01/29/15	02/09/15		02/19/15	02/25/15
Mokuleia	01/30/15	02/05/15	02/12/15			
Kalaniana'ole Hwy Project	02/09/15	03/04/15	02/19/15			
Makaha	03/05/15	03/12/15	02/17/15			

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MSAG Community and Street Segment Sweep – Phase VII continued

MSAG COMMUNITY (In Order of Effort)	MSAG COMMUNITY AND STREET SEGMENT SWEEP -- PHASE VII				GIS UPDATES	
	TARGET START DATE	TARGET COMPLETION DATE	AKIMEKA COMPLETION DATE	NOTES/COMMENTS	DATE GIS DELIVERED TO HPD	DATE GIS LOADED TO CAD BY HPD
Waianae	03/13/15	03/24/15	03/09/15		03/20/15	IN PROGRESS
Mali	03/25/15	04/02/15	03/17/15			
Nanakuli	04/03/15	04/13/15	03/27/15			
Makakilo	04/14/15	04/28/15	IN PROGRESS			
Kapolei	04/29/15	05/21/15				
Kalaheo	05/22/15	06/08/15				
Ewa Beach	06/09/15	07/27/15				
Iroquois	07/28/15	08/03/15				

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3. GEOGRAPHIC INFORMATION SYSTEM (GIS) – MARCH 2015

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.

OAHU CIVILIAN				
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks	
	Date Created/ Edits Performed			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)				
Address Points	3/30/2015		Populated ESN field for address points in ESNs 178, 179, & 180	
	3/27/2015		Added routing ID to one (1) address in Nanakuli	
	3/25/2015		Populated ESN field for address points in ESN 181	
	3/25/2015		Corrected three (3) addresses in Nuuanu	
	3/25/2015		Added ten (10) new address points in Nuuanu	
	3/25/2015		Corrected one (1) address in Pearl City	
	3/25/2015		Added eight (8) new address points in Pearl City	
	3/25/2015		Corrected one (1) address in Punchbowl	
	3/25/2015		Added eight (8) new address points in Punchbowl	
	3/24/2015		Deleted nine (9) address points in Nanakuli	
	3/24/2015		Spatially corrected two hundred fifty-two (252) address points in Nanakuli	
	3/24/2015		Added routing ID to two hundred thirty-six (236) addresses in Nanakuli	
	3/24/2015		Spatially corrected one (1) address point in Waianae	
	3/23/2015		Added seven (7) new address points in Kahaolu	
	3/23/2015		Added two (2) new address points in Kalaeloa	
	3/23/2015		Added eighteen (18) new address points in Kalihi	
	3/23/2015		Corrected two (2) addresses in Kalihi	
	3/23/2015		Corrected two (2) addresses in Kaaawa	
	3/23/2015		Added two (2) new address points in Kaaawa	
	3/23/2015		Added fourteen (14) new address points in Mokuleia	
	3/23/2015		Spatially corrected thirteen (13) address points in Kaaawa	
			03/20/15	
		3/20/2015		Populated ESN field for address points in ESNs 182, 183, and 184
		3/19/2015		Deleted one (1) address point in Hauula
		3/19/2015		Deleted two (2) address points in Hawaii Kai
		3/19/2015		Added one (1) new address point in Haleiwa
		3/19/2015		Added one (1) new address point in Halsey T
		3/19/2015		Added one (1) new address point in Radford T
		3/19/2015		Added three (3) new address points in Hauula
		3/19/2015		Added five (5) new address points in Hawaii Kai
		3/19/2015		Added eight (8) new address points in Honolulu
		3/19/2015		Added two (2) new address points in Iroquois
	3/19/2015		Corrected four (4) addresses in Halsey T	
	3/19/2015		Corrected two (2) addresses in Hauula	

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MAPPING LAYERS UPDATED (PART II)

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.

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Address Points	3/19/2015		Corrected two (2) addresses in Hawaii Kai
	3/19/2015		Corrected five (5) addresses in Honolulu
	3/18/2015		Deleted one (1) address point in Aiea
	3/18/2015		Spatially corrected ten (10) address points in Aiea
	3/18/2015		Added one (1) new address point in Aiea
	3/18/2015		Corrected five (5) address points in Aiea
	3/18/2015		Added routing ID to nine (9) addresses in Aiea
	3/17/2015		Added routing ID to forty (40) addresses in Maili
	3/17/2015		Corrected one (1) address in Ewa Beach
	3/17/2015		Added one (1) new address point in Haleiwa
	3/16/2015		Added routing ID to twenty-four (24) addresses in Maili
	3/13/2015		Added eight (8) new address points in Ewa Beach
	3/13/2015		Added one (1) new address point in Kapolei
	3/13/2015		Corrected one (1) address in Ewa Beach
	3/13/2015		Spatially corrected five (5) address points in Ewa Beach
	3/12/2015		Corrected one (1) address in Pearl City
	3/12/2015		Corrected one (1) address in Aiea
	3/12/2015		Added twelve (12) new address points in Aiea
	3/12/2015		Added alias to two (2) addresses in Aiea
	3/12/2015		Corrected one (1) address in Aina Haina
	3/12/2015		Added four (4) new address points in Aina Haina
	3/12/2015		Added three (3) new address points in Airport
	3/12/2015		Added three (3) new address points in Downtown
	3/12/2015		Spatially corrected seven (7) address points in Ewa Beach
	3/12/2015		Corrected one (1) address in Ewa Beach
	3/12/2015		Added twenty-five (25) new address points in Ewa Beach
	3/10/2015		Spatially corrected fifty-nine (59) address points in Ewa Beach
	3/10/2015		Added eleven (11) new address points in Mililani
	3/10/2015		Added twenty-five (25) new address points in Kunia
	3/10/2015		Added forty-five (45) new address points in Ewa Beach
3/9/2015		Added forty-three (43) new address points in Ewa Beach	
3/9/2015		Added two (2) new address points in Waianae	
3/9/2015		Spatially corrected sixty-seven (67) address points in Waianae	
		03/06/15	

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MAPPING LAYERS UPDATED (PART III)

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.

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Address Points	3/6/2015		Added twelve (12) new address points in Kaimuki
	3/6/2015		Added five (5) new address points in Kahala
	3/6/2015		Corrected street type for one (1) address in Moanalua
	3/6/2015		Corrected four (4) addresses in Kaimuki
	3/6/2015		Added alias to one (1) address in Kaimuki (4025 Sierra Dr)
	3/6/2015		Spatially corrected three (3) address points in Kahala
	3/6/2015		Spatially corrected fourteen (14) address points in Kaimuki
	3/5/2015		Added one (1) new address point in Waimanalo
	3/5/2015		Added four (4) new address points in Honolulu
	3/5/2015		Added ten (10) new address points in Kailua
	3/5/2015		Corrected one (1) address in Honolulu
	3/5/2015		Corrected four (4) addresses in Kailua
	3/5/2015		Spatially corrected five (5) address points in Kailua
	3/5/2015		Spatially corrected seven (7) address points in Kaimuki
	3/4/2015		Corrected one (1) address in Sunset
	3/4/2015		Corrected one (1) address in Pearl City
	3/4/2015		Added five (5) new address points in Waimanalo
	3/3/2015		Corrected street type for one (1) address point in Makakilo
	3/3/2015		Modified MSAG community for one (1) address point in Ewa Beach
	3/3/2015		Corrected one (1) address in Makakilo
	3/3/2015		Corrected one (1) address in Kaimuki
	3/3/2015		Corrected one (1) address in Ewa Beach
	3/3/2015		Corrected four (4) addresses in Maili
	3/2/2015		Corrected name for one (1) address point in Airport
	3/2/2015		Corrected name for one (1) address point in Downtown
	3/2/2015		Corrected name for one (1) address point in Kailua
	3/2/2015		Corrected one (1) address in Kahuku
	3/2/2015		Spatially corrected one (1) address point in Aiea
3/2/2015		Added one (1) new address point in Makaha	
Airports			

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MAPPING LAYERS UPDATED (PART IV)

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.

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Bridges			
Building Footprints			
Bus Stops			
Churches			
Coastal Names			
Coastline			
Common Places	3/30/2015		Populated ESN field for common places in ESNs 178, 179, & 180
	3/25/2015		Populated ESN field for common places in ESN 181
	3/24/2015		Spatially corrected sixteen (16) common places in Nanakuli
	3/24/2015		Spatially corrected one (1) common place in Waianae
		03/20/15	
	3/20/2015		Populated ESN field for common places in ESNs 182, 183, and 184
	3/18/2015		Added one (1) new common place in Honolulu per the GIS Corrections spreadsheet
	3/18/2015		Added one (1) new common place in Kaneohe per the GIS Corrections spreadsheet
	3/18/2015		Added eight (8) new common places in Aiea per the GIS Corrections spreadsheet
	3/18/2015		Spatially corrected three (3) common places in Aiea
3/18/2015		Spatially corrected three (3) common places in Honolulu per the GIS Corrections spreadsheet	

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MAPPING LAYERS UPDATED (PART V)

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.

OAHU CIVILIAN				
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks	
	Date Created/ Edits Performed			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)				
Common Places	3/18/2015		Corrected name for one (1) common place in Honolulu per the GIS Corrections spreadsheet	
	3/18/2015		Corrected address for one (1) common place in Honolulu per the GIS Corrections spreadsheet	
	3/17/2015		Updated name for one (1) common place in Kahala per the GIS Corrections spreadsheet	
	3/17/2015		Updated name for one (1) common place in Kalihi per the GIS Corrections spreadsheet	
	3/12/2015		Spatially corrected forty-nine (49) common places in Aiea	
	3/12/2015		Added six (6) new common places in Aiea	
		03/06/15		
	3/6/2015		Corrected street type for one (1) common place in Moanalua	
	3/4/2015		Spatially corrected one (1) common place in Pearl City	
	3/2/2015		Added one (1) new common place in Aiea per the GIS Corrections spreadsheet	
	3/2/2015		Added one (1) new common place in Makaha per the GIS Corrections spreadsheet	
	3/2/2015		Updated name for one (1) common place in Kailua per the GIS Corrections spreadsheet	
	3/2/2015		Updated name for one (1) common place in Downtown per the GIS Corrections spreadsheet	
	3/2/2015		Updated name for one (1) common place in Aiea per the GIS Corrections spreadsheet	
	3/2/2015		Updated name for one (1) common place in Airport per the GIS Corrections spreadsheet	
3/2/2015		Spatially corrected one (1) common place in Aiea		
Correctional Facilities				
Emergency Callboxes				
Emergency Operation Centers				
Emergency Shelters				

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MAPPING LAYERS UPDATED (PART VI)

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.

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
ESZ/ESN	3/31/2015		Corrected ESN 130/131 boundary
	3/27/2015		Corrected ESN 176/179 boundary
	3/26/2015		Corrected ESN 140/141 boundary
	3/26/2015		Corrected ESN 178/180 boundary
Fire Beats			
Fire Districts			
Fire Response Areas	3/30/2015		Corrected STA38/STA10 boundary
	3/26/2015		Corrected STA43/STA12 boundary
		03/20/15	
Fire Stations			
Food & Beverage			
Gas Stations			
Gate Codes			
Government Buildings			
Harbors			
Helipads			

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MAPPING LAYERS UPDATED (PART VII)

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.

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Hiking Trails			
Hospitals			
Hydrants			
Hyrdology Layers: Dams Ponds Streams Waterfalls			
Incident Response Areas			
Lodging			
Major Roads			
Medic Beats			
Medic Districts			
Medic Response Areas	3/26/2015		Corrected MED16/MED10 boundary
	3/26/2015		Corrected MED3/MED4 boundary
		03/20/15	
Medic Stations			

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MAPPING LAYERS UPDATED (PART VIII)

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.

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Medical Facilities			
Milepost Markers			
MSAG Communities	3/26/2015	03/20/15	Corrected Ewa Beach/Kapolei boundary
	3/3/2015		Corrected Kaneohe/Kahaluu boundary
Net Junctions		03/31/15	
	3/31/2015	03/11/15	Populated with the latest MSAG Community and Police Beat updates
	3/11/2015		Populated with the latest MSAG Community and Police Beat updates
Ocean Rescue Boundaries			
Ocean Safety			
Parcels			
Parks			
Parks Polygon			
Points of Interest			

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MAPPING LAYERS UPDATED (PART IX)

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.

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Police Beats	3/30/2015		Corrected Police Beat 375 according to the HPD written Polices and Procedures
	3/26/2015		Corrected Police Beat 879/872 boundary
	3/25/2015		Corrected Police Beat 854/856 boundary
		03/06/15 03/20/15	
	3/3/2015		Corrected Police Beat 472/471
Police Districts			
Police Response Areas			
Police Stations			
Post Offices			
Schools			
Street Centerlines	3/31/2015		Spatially corrected eighty (80) street segments in Makakilo
	3/31/2015		Deleted two (2) segments of Palahia St in Makakilo
	3/31/2015		Split one (1) segment of Kam Hwy at ESN boundary in Kaneohe
	3/30/2015		Split two (2) segments of H3E Exit 14 at ESN boundary in Kailua
	3/30/2015		Split three (3) segments of H3W Fwy at ESN boundary in Kaneohe
	3/30/2015		Split one (1) segment of H3W Exit 11 at ESN boundary in Kaneohe
	3/30/2015		Split one (1) segment of H3E Fwy at ESN boundary in Kailua
	3/30/2015		Split one (1) segment of Kam onto H3E at ESN boundary in Kailua
	3/30/2015		Split one (1) segment of Kapaa Quarry PI at ESN boundary in Kailua
	3/30/2015		Populated ESN fields for street segments in ESNs 178, 179, & 180
	3/30/2015		Spatially corrected fifty-five (55) street segments in Makakilo
3/30/2015		Spatially corrected nineteen (19) street segments in Aiea	

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MAPPING LAYERS UPDATED (PART X)

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.

OAHU CIVILIAN				
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks	
	Date Created/ Edits Performed			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)				
Street Centerlines	3/27/2015		Deleted one (1) street segment in Nanakuli	
	3/27/2015		Spatially corrected nineteen (19) street segments in Nanakuli	
	3/27/2015		Split one (1) segment of Pohakunui Ave in Nanakuli	
	3/27/2015		Added one (1) new street segment in Nanakuli	
	3/27/2015		Corrected range for one (1) segment of Laumania Ave in Nanakuli	
	3/27/2015		Added one (1) new street segment in Makakilo	
	3/27/2015		Split one (1) segment of Kuamu Pl in Makakilo	
	3/27/2015		Spatially corrected thirty-nine (39) street segments in Makakilo	
	3/26/2015		Deleted two (2) segments of Palehua Rd at the Ewa Beach/Kapolei community boundary	
	3/26/2015		Corrected range for two (2) segments of Palehua Rd at the Ewa Beach/Kapolei community boundary	
	3/26/2015		Split one (1) segment of Keahumoa Pkwy in Kapolei	
	3/26/2015		Split one (1) segment of Keahumoa Pkwy in Ewa Beach	
	3/26/2015		Added nineteen (19) street segments in Kapolei	
	3/26/2015		Spatially corrected fifty-five (55) street segments in Nanakuli	
	3/25/2015		Populated ESN fields for street segments in ESN 181	
	3/24/2015		Split one (1) segment of Kapaa Quarry Rd at ESN boundary in Kailua	
	3/24/2015		Split three (3) street segments in Nanakuli	
	3/24/2015		Added one (1) ingress in Maili	
	3/24/2015		Split two (2) street segments at police beat boundaries in Maili	
	3/24/2015		Flipped one (1) segment of Pokai Bay St in Waianae	
	3/24/2015		Split three (3) street segments at police beat boundaries in Waianae	
	3/24/2015		Split one (1) segment of Farrington Hwy at the Waianae/Makaha MSAG community boundary	
	3/24/2015		Corrected range for three (3) segments of Waianae Valley Rd in Waianae	
	3/24/2015		Corrected one-way code for one (1) segment in Waianae	
	3/24/2015		Spatially corrected nineteen (19) street segments in Nanakuli	
	3/23/2015		Added sixteen (16) ingresses in Nanakuli	
	3/23/2015		Spatially corrected four (4) street segments in Nanakuli	
			03/20/15	
	3/20/2015			Populated ESN fields for street segments in ESNs 182, 183, and 184
	3/20/2015			Corrected range for three (3) segments of Waialae Ave in Kaimuki
	3/20/2015			Split one (1) segment of Kahau St in Nanakuli
	3/20/2015			Spatially corrected forty-four (44) street segments in Nanakuli
	3/18/2015			Added nine (9) ingresses in Aiea
3/17/2015			Deleted three (3) street segments in Maili	
3/17/2015			Added four (4) new street segments in Maili	

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MAPPING LAYERS UPDATED (PART XI)

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.

OAHU CIVILIAN				
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks	
	Date Created/ Edits Performed			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)				
Street Centerlines	3/17/2015		Spatially corrected four (4) street segments in Maili	
	3/17/2015		Split two (2) street segments in Maili	
	3/17/2015		Spatially corrected sixty-seven (67) street segments in Nanakuli	
	3/17/2015		Corrected street name for one (1) street segment in Hickam per the GIS Corrections spreadsheet	
	3/16/2015		Populated ESN field for street segments in ESN 184	
	3/16/2015		Spatially corrected forty-three (43) street segments in Maili	
	3/13/2015		Corrected range for two (2) segments of Keahomua Pkwy in Ewa Beach	
	3/13/2015		Corrected range for two (2) segments of Kuina St in Ewa Beach	
	3/13/2015		Spatially corrected thirty-two (32) street segments in Maili	
	3/11/2015		Spatially corrected one hundred forty-five (145) street segments in Maili	
	3/11/2015		Deleted one (1) street segment in Maili	
	3/10/2015		Corrected street range for two (2) segments of Leleoi St in Ewa Beach	
	3/9/2015		Spatially corrected twenty-three (23) street segments in Waianae	
			03/06/15	
		3/6/2015		Corrected street type for one (1) street segment in Moanalua (Moanalua Rdg)
	3/6/2015		Spatially corrected five (5) street segments in Waianae	
	3/5/2015		Corrected range to two (2) segments of Maunalua Ave in Hawaii Kai	
	3/5/2015		Spatially corrected thirteen (13) street segments in Waianae	
Subdivisions				
Tow Jurisdictions				
Tsunami Evacuation Zones				
Tsunami Heights				
Waste Water Plants				

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MAPPING LAYERS UPDATED (PART XII)

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.

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
WSP Cell Sectors		03/30/15	
		03/23/15	
	3/17/2015		Per VZW CRS
		03/16/15	
	3/13/2015		Per VZW CRS
		03/09/15	
WSP Cell Towers		03/30/15	
		03/23/15	
	3/17/2015		Per VZW CRS
		03/16/15	
	3/13/2015		Per VZW CRS
		03/09/15	
	03/02/15		

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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
3/31/2015	Net Junctions with the latest MSAG Community and Police Beat updates
3/30/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
3/23/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
3/20/2015	Street Centerlines, Address Points, Fire Response Areas, Medic Response Areas, Ocean Safety Response Areas Stops to HFD, EMS, and Ocean Safety for TriTech CAD
3/20/2015	Street Centerlines and Common Places to HPD for Motorola CAD
3/20/2015	Cell Towers, Cell Sectors, ESN, MSAG Communities, Tow Boundaries, Police Response Areas, Fire Response Areas, Medic Response Areas, Streams, Street Centerlines, Address Points, Common Places to Intrado for PowerMap at HPD, HFD, EMS, and Ocean Safety
3/19/2015	Data for the Motorola Premier One CAD system for testing which included Address Points, Beach Right of Ways, City, Common Places, Parks, Police Beats, Subbeats, Streams, Street Centerlines, Tow, Zip Codes, Common Places Alias Table, Standardization Exceptions Table, Street name Alias Table
3/16/2015	Attended meeting at HPD to discuss Premier One CAD system and deliverable, Common Place Aliases, HPD Map Books, ESN Testing
3/16/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
3/11/2015	Net Junctions with the latest MSAG Community and Police Beat updates
3/9/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
3/6/2015	Street Centerlines, Address Points, Fire Response Areas, Medic Response Areas, Ocean Safety Response Areas Stops to HFD, EMS, and Ocean Safety for TriTech CAD
3/6/2015	Street Centerlines and Common Places to HPD for Motorola CAD
3/6/2015	Cell Towers, Cell Sectors, ESN, MSAG Communities, Tow Boundaries, Police Response Areas, Fire Response Areas, Medic Response Areas, Streams, Street Centerlines, Address Points, Common Places to Intrado for PowerMap at HPD, HFD, EMS, and Ocean Safety
3/2/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
3/2/2015	GIS data to Intrado to perform data validations prior to installation of MapFlex. GIS Layers included - Address Points, Cell Sectors, Cell Towers, Common Places, Dams, Dive Locations, Emergency Shelters, ESN, Fire Response Areas, Medic Response Areas, MSAG Communities, Ocean Response Areas, Parcels, Parks Polygon, Police Response Areas, Streams, Street Centerlines, Surf Breaks, Trails

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INTRADO POWERMAP UPLOAD

Since the establishment of the GIS Data deliverable process between Akimeka and Intrado in January 2014, the data uploads have been successfully carried out.

There were no updates during the month of March 2015. It is an item that is being addressed by Hawaiian Telcom and Intrado technicians.

POLICE BEATS CORRECTIONS

Background

The Police Beats was previously identified as a layer requiring corrective action in preparation for the ESZ/ESN project and ensuring spatial accuracy.

Subsequent to the Police Beat corrections that took place during the month of August 2013, upon loading the GIS data for Street Centerlines in the current Motorola Premier CAD, HPD PMT confirmed that there were no issues with regards to the CAD system recommendations. HPD PMT also reviewed the Police Beats corrections worksheet and confirmed that there were no issues with the document. As such, Akimeka proceeded to make corrections to the Police Beats layer utilizing HPD's written Policies and Procedures document for boundary descriptions.

Status to Date

Based on HPD PMT's confirmation, Akimeka continued to make corrections to the Police Beats during the month of March 2015. Akimeka completed an additional one (1) Police Beat (375) boundary correction.

Upload Process

It was agreed that the Police Beats layer will not be uploaded to the current Motorola CAD system and will only be uploaded to the new Motorola PremierOne CAD system. Although the Police Beats layer (with the corrections) will not be uploaded to the current CAD system, the Street Centerlines are impacted by these boundary updates.

As such, Akimeka assisted with creating a new upload process which mirrors a step similar to the updates with the MSAG Communities. The new process was run successfully in November 2013, and has been successful since that time. In addition, the new upload process for the Premier CAD, also resolved other discrepancies with recommendations which were previously identified. It was agreed that this new process will be implemented and used going forward. Subsequent to this process improvement, there have been no issues and the Police Beat corrections project continues to move forward.

TRITECH CAD SYSTEM UPGRADE

During the month of February, 2015, no issues regarding the TriTech CAD system were reported. GIS data deliverables remained on schedule. Minor updates to Fire Response Areas, Medic Response Areas, and Ocean Response Areas were made during February 2015 and were provided as part of the normal data deliverable schedule.

1. Throughout March 2015, normal GIS deliverables continued and there were no issues reported.

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ESN PROJECT

Since Akimeka had completed the preliminary ESN layer, during a meeting with HPD in December 2014 agreement was made to proceed with beginning the work efforts with Hawaiian Telcom.

1. The new ESN layer was created based on all of the operational response areas for each agency
2. Review and discussion was held during the meeting and Akimeka was given approval to proceed with preparing documentation to provide HPD with in order for Hawaiian Telcom to program the new ESN numbers and ELTs.
3. Akimeka prepared the final documentation during the month of January 2015 and provided the ELTs, Letter, and supporting attachments to HPD.
4. On February 13, 2014, the letter requesting change to Honolulu ESN numbers and corresponding ELTs were submitted to Hawaiian Telecom.
5. On March 12, 2015, confirmation was received that Honolulu can move forward with new ESNs and under the special project, cannot exceed 50 MSAG transactions per day.
6. On March 16, 2015, Akimeka began processing the MSAG transactions beginning with the approved ESN 184 in Waimanalo
 - a. In order to validate the correct information was being displayed at HPD, a group of test phone numbers was gathered to be used to verify the information.
 - b. Also on March 16, 2015, processing in MSAG was halted because Akimeka's access to new ESNs was restricted by Intrado. Akimeka followed up and the restriction was removed by end of the day.
7. On March 17, 2015, HPD tested the telephone numbers in ESN 184 and had experienced some issues with the call routing past the call screeners, directly to the dispatcher.
 - a. HPD opened a trouble ticket with Intrado and Hawaiian Telcom on the issue
 - b. Intrado/Hawaiian Telcom corrected the issue shortly after and notified HPD
8. On March 19, 2015, Akimeka received confirmation that the test phone numbers in ESN 184 were successful at HPD and routed to the call screener
 - a. Following the successful, Akimeka was given the ability to backfill the 250 transactions that were lost in order to get caught up with the timeline.
9. Throughout the remainder of March there were no reported issues and the ESN schedule has remained on track.

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MSAG COMMUNITY	MSAG COMMUNITY ESN PROJECT														NOTES COMMENTS	TOTAL MSAG RECORDS	
	TARGET START DATE	ESN #	Status	ESN #			Status										
Waimanalo	03/16/15	184	100%	183	100%											Complete	112
Kailua	03/19/15	182	100%	181	100%	180	100%									Complete	380
Kaneohe	03/31/15	180	100%	179	100%	178	100%	177	0%	176	0%	175	0%			In Progress	40
Kahaluu	04/15/15																
Kaaawa	04/16/15																
Punaluu	04/16/15																
Hauula	04/17/15																
Laie	04/20/15																
Kahuku	04/21/15																
Kahuku Range	04/22/15																
Sunset	04/23/15																
Haleiwa	04/27/15																
Wahiawa	04/29/15																
Waialua	05/06/15																
Mokuleia	05/08/15																
Makaha	05/11/15																
Waianae	05/12/15																
Maili	05/15/15																
Nanakuli	05/19/15																
Makakilo	05/25/15																
Kapolei	05/28/15																
Kalaeloa	06/04/15																
Ewa Beach	06/08/15																
Iroquois	06/23/15																
Waipahu	06/24/15																
Kunia	07/03/15																
Waipio	07/06/15																
Mililani	07/09/15																
Pearl City	07/28/15																
Aiea	08/04/15																
PC Pen	08/14/15																
McGrew PT	08/14/15																
Halawa	08/17/15																
Aliamanu	08/17/15																
Moanalua T	08/18/15																
Hale Moku	08/18/15																
Maloelap	08/19/15																
Hokulani	08/19/15																
Moanalua	08/19/15																

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MSAG COMMUNITY	MSAG COMMUNITY ESN PROJECT continued														NOTES COMMENTS	TOTAL MSAG RECORDS	
	TARGET START DATE	ESN #	Status	ESN #			Status										
Airport	08/20/15																
Catlin Pk	08/21/15																
Miller Pk	08/21/15																
Halsey T	08/24/15																
Radford T	08/24/15																
Salt Lake	08/25/15																
Mapunapuna	08/26/15																
Moanaloa V	08/27/15																
Kalihi	08/31/15																
Nuuanu	09/14/15																
Punchbowl	09/18/15																
Downtown	09/23/15																
Kakaako	09/25/15																
Ala Moana	09/28/15																
Honolulu	09/29/15																
Makiki	10/02/15																
Manoa	10/06/15																
McCully	10/13/15																
Kahala	10/15/15																
Kapahulu	10/20/15																
Kaimuki	10/22/15																
Waialae	10/30/15																
Aina Haina	11/04/15																
Waikiki	11/09/15																
Hawaii Kai	11/11/15																

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MAPFLEX DEPLOYMENT

During the month of February 2015, Intrado moved forward with set schedule for MapFlex implementation for the Oahu PSAPs. As a result, Akimeka coordinated with the Honolulu Police Department for final approval of GIS layers to be provided for the MapFlex system once the four-way NDA was finalized among HPD, Akimeka, Hawaiian Telecom, and Intrado.

Considering that the MapFlex initiative being provided by Hawaiian Telecom and sub-contractor, Intrado, is being implemented across the State of Hawaii, in the below narrative there is some information that was identified through the processes which the Neighbor Islands had been through and pertains to the processes which will be associated for the Oahu PSAPs. The historical information will provide detail as to how and when the establishment of the implementation processes took place and remaining unanswered questions yet to be discussed.

1. The new MapFlex mapping system operates from GIS data that is provided to a secure FTP site, where it is then delivered into the MapFlex server and made available through the mapping product. On February 5, 2015, Intrado had sent a request for additional mapping layers in Maui County and when Akimeka asked if the FTP site was the established MapFlex FTP server, Akimeka received confirmation from Intrado that the FTP site used for this delivery was a temporary site and the MapFlex secure FTP was not established yet.
2. On February 7, 2015, prior to the GIS deliverable for Maui County, Intrado requested that if Akimeka had specific symbology for the PSAPs they were interested in using, they should send it to Intrado to use for MapFlex.
 - (a) Akimeka replied that the specific symbology should be customized with each of the PSAPs and their operations in mind. Akimeka does not have a preference on which colors the symbology is displayed and relayed to Intrado that it would be best to involve the PSAPs in the configuration process.
3. On February 10, Akimeka prepared a total of fifty-two (52) GIS layers to be delivered to Intrado for configuration and implementation in the MapFlex system. The GIS layers that were provided, include all of the displayed GIS layers currently within the PowerMap.
 - a. Akimeka attempted to deliver the GIS data layers to Intrado's temporary FTP site as a means of getting the data updated in the MapFlex, but received permission issues copying the data.
 - b. After several attempts to upload data, the GIS data was compressed, encrypted, and submitted outside of the FTP site through email by Akimeka on February 11, 2015.
4. On February 23, 2015, Intrado notified Akimeka that they were moving forward with the new MapFlex secure FTP site and requested that Akimeka send a "sample" map update for one of the sites they are working on; Hawaii, Maui, or Kauai.
 - (a) Akimeka attempted to connect using the provided IP address and was unable to gain access.
 - (b) Akimeka followed up with Intrado to request additional connection information with ports, and ftp credentials. In addition, Akimeka requested additional information on the delivery processes associated with MapFlex, such as:
 - (i) Does each delivery within MapFlex require a complete refresh or only updated layers?
 - (ii) Are there specific file names and locations needed to pull updates?
 - (iii) What is the update process that takes place within MapFlex?
 - (iv) Is there a specific time the update takes place?
 - (v) What is the notification processes that the updates were successful?
 - (vi) What is the test/validation processes the PSAP should be informed of?
 - (vii) How are discrepancies reported in the procedure and to whom?
5. On February 25, 2015, Akimeka was invited to join a conference call with staff from Intrado qualified to help answer questions and to gain access to the new MapFlex secure FTP site.
 - (a) Intrado's Sr. Systems Administrator provided information on ports and credentials that were required to get access.
 - (b) Little information was provided during the conference call on the specific operations that take place within the MapFlex in order to pull updates, however it was replayed that there will be an automated delivery process where a script will identify when new GIS layers are placed on the secure FTP site. Once the layers are identified as new, the layers will be pulled from the FTP site, a simple validation process ran, and placed on the

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MAPFLEX DEPLOYMENT CONTINUED

MapFlex server where it will then be pushed to the workstation. There is currently no automation on notifications and no procedure on reporting discrepancies. There is a roll back procedure if there are errors that are identified in the GIS data. The MapFlex will hold onto 5 sets of data. If there is an issue that is identified, the data can be rolled back manually. Currently there is no automation with this.

6. Subsequent to the conference call, Akimeka attempted to connect to the secure FTP site on February 25, 2015, and was unsuccessful.
 - (a) After additional coordination with Intrado's Sr. System Administrator, Akimeka was able to gain access on February 26, 2015.
7. On February 26, 2015, Akimeka successfully delivered the updated GIS layers for Hawaii, Maui, and Kauai County to the MapFlex system via new secure FTP site.
8. On March 2, 2015, the four-way NDA was signed and fully executed
 - (a) Akimeka coordinated with Intrado and began preparing the GIS data for the City and County of Honolulu, in order for Intrado to perform a data assessment.
 - (b) Later on March 2, 2015, Akimeka uploaded all of the GIS layers approved by HPD to Intrado for validations.
9. On March 4, 2015, Akimeka received the data assessment results from Intrado
 - (a) There were no mandatory corrections required and the condition of the GIS data was very good

SPAWAR MEETING ON ADDRESSING FOR MCBH

There has been no further information or correspondence with regards to this project.

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STREET UTILITY CHECK

This is an ongoing project to correct the errors identified. A comparison of the raw CAD generated report from the Street Check Utility was performed between the Street Centerline GIS data delivered February 20, 2015 and March 31, 2015. Below are the results of the comparison.

Street Utility Check				
	First Report 06/01/13	2/20/2015	3/31/2015	Improvements/Corrections
Total Number of GIS Records	26,602	27,533	27,557	Increased by 24 records
Errors Identified				
Zero Errors	5,112	605	539	Increased by 11% (66 errors)
Low > High Errors	3	0	0	No Change
Mixed Parity Errors	1	0	0	No Change
Changed Parity Errors	105	0	0	No Change
Address Gap Errors	2,629	0	1	Increased by 1 error
Address Overlap Errors	423	4	4	No Change (although corrected)
Flipped Link Errors	1,030	501	508	Increased by 1.4% (7 errors)
Total Errors	9,303	1,110	1,052	Increased by 5.2% (58 errors)

In addition to Akimeka’s internal validation tools, Akimeka will continue to utilize the various CAD reports to further identify and correct the multitude of discrepancies in the GIS data. This is an ongoing and routine process which Akimeka has been using to improve the accuracy of the GIS data for Public Safety.

Akimeka plans to continue its work effort to complete corrections of the discrepancies identified and/or identify any valid exceptions which Akimeka will tag with the proper information so the CAD system will accept the record(s) and not jeopardize the full functionality of the CAD system from the upload to RMS. Akimeka plans to complete all Street Utility Check errors prior to the implementation of the Motorola PremierOne CAD “go live” date.

Due to the MSAG Community and Street Sweep – Phase VII project, Akimeka expects there to be fluctuation in the results of the Street Check Utility moving forward, especially with regards to Zero Errors, Flipped Link Errors, Address Gap Errors, and Address Overlap Errors. These errors are as a direct result of the spatial corrections made on the Street Centerline network, where many new ingress segments are added. The preference is that the system can generate these non-impacting and non-critical errors instead of overriding them beforehand. The errors that are identified through this process are subsequently corrected based on the results of the Street Check.

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4. E9-1-1 DATABASE SYNCHRONIZATION

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

Next Database Synchronization Report – April 2015

AUDIT SUMMARY RESULTS – TBA

AUDIT SUMMARY RESULTS – APRIL 1, 2015 MSAG VS. JANUARY 1, 2015 MSAG - TBA

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

AUTOMATIC LOCATION IDENTIFICATION (ALI) DISCREPANCY REPORT - TBA