



STATE OF HAWAII
Enhanced 911 Board

E911 Communications/Technical/Finance Committee Meeting
Tuesday, January 8, 2013
McCoy Pavilion, Ala Moana Beach Park
10 am to 12 noon

Agenda

- I. Call to Order, Public Notice, Quorum
- II. Remembrance of Hawaii's beloved United States Senator Inouye
- III. Public testimony on all agenda items
- IV. Introductions
- V. Review and Approval of Last Meeting's Minutes
- VI. Items for Discussion, Consideration and Action:
 - a. Communications Committee
 - i. Press Releases
 - ii. Logo/Slogan Contest Update
 - iii. 2013 Legislative Session Opening January 16, 2013
 - iv. Others
 - b. Technical Committee
 - i. Update on status of PSAP projects with funds pending expenditure.
 1. HFD - Fire/EMS CAD update.
 2. Kauai CAD update
 3. Others
 - ii. Request for PSAP updates for Enhanced 911 Timeline continuum.
 - iii. Investigative Regulatory Committee Update
 - iv. Investigative Committee on NG911 Planning Update.
 - v. FCC Updates

C. Finance Committee

- i. Review of Monthly Cash Flow Financial Report.
- ii. In-depth review of monthly cash flow report.

VII. Announcements

a. Next meeting date: Tuesday, February 12, 2013, McCoy Pavilion, Ala Moana Park, 10 am – 12 noon.

i. Future meeting dates (10am – 12noon)

1. March 12, 2013;McCoy Pavilion
2. April 9, 2013; Kalanimoku Bldg
3. May 14, 2013;Kalanimoku Bldg
4. June 4, 2013;Kalanimoku Bldg
5. July 9, 2013;Kalanimoku Bldg
6. August 13, 2013;Kalanimoku Bldg
7. September 10, 2013;Kalanimoku Bldg
8. October 8, 2013;Kalanimoku Bldg
9. November 12, 2013;Kalanimoku Bldg
10. December 10, 2013;Kalanimoku Bldg

b. Others

VIII. Open Forum: Public comment on issues not on the agenda, for consideration for Committee agenda at the next meeting.

IX. Adjournment



STATE OF HAWAII
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Tuesday, January 8, 2013
McCoy Pavilion, Ala Moana Beach Park
10 am to 12 noon

MEETING MINUTES

Communications Committee members present: Steven Schutte (Chair), Victor Ramos, Clayton Tom, Morris Tamanaha, Paul Ferreira, Jayne Nantkes and Thalia Burns.

Communications Committee members absent: Marshall Kanehailua.

Technical Committee members present: Victor Ramos (Chair), Clayton Tom, Brandon Raines, Aaron Correia, Kenison Tejada, Morris Tamanaha, James LaClair, Steven Schutte, Kiman Wong, and Tony Ramirez.

Technical Committee members absent: Clement Chan and Marshall Kanehailua.

Finance Committee members present: Kiman Wong (Chair), Paul Ferreira, Roy Irei, Sherwin Perez, Lisa Hiraoka, Dave Kajihiro and Mark Begley.

Finance Committee members absent: None.

Staff members present: Thera Bradshaw and Courtney Tagupa

Guests: Ryan Freitas (HawTel), Davlynn Racadio (MPD), Clayton Kau (HPD), Matt Lemke (Ocean Safety) and Sharon Garcia (HPD).

- I. Call to Order, Public Notice, Quorum
 - a. The meeting was brought to order at 10:05 am.
- II. Remembrance of Hawaii's beloved United States Senator Inouye
 - a. A moment of silence was observed in memory of Senator Inouye.
 - b. Kenison Tejada and the Board of APCO NENA Pacific Chapter were contacted by NENA and informed that they would be doing a publication in tribute to Senator Inouye in their winter publication.
- III. Public testimony on all agenda items
 - a. A request was made by the Board Chair for anyone in attendance who wishes to give public testimony on the agenda items to please come forward.
 - b. There was no response to this request.
- IV. Introductions
 - a. Introductions were made of all in attendance.
- V. Review and Approval of Last Meeting's Minutes

- a. There was one correction to the minutes that was acknowledged to the Committees.
- b. Kiman Wong motioned to approve the minutes of the last meeting. The motion was seconded and approved unanimously by voice vote without discussion.

VI. Items for Discussion, Consideration and Action:

a. Communications Committee

i. Press Releases

- 1. No new press releases were acknowledged.

ii. Logo/Slogan Contest Update

1. Judge Status (Tentative):

- a. Sen. W. Espero will be replacing Sen. Kidani
- b. Lt. Governor
- c. Managing Director C&C of Hilo
- d. Sen. Ron Kouchi of Kauai
- e. Sheree McNamara, C&C of Honolulu

- 2. Date of Judging- January 29 or 30.

- 3. A school assembly at the winning school is being planned.

iii. 2013 Legislative Session Opening January 16, 2013

1. Prepaid legislation

- a. Sen Kidani was prepared to introduce prepaid legislation in the current legislative session. However, due to the preparation necessary to ensure a consensus among the stakeholders, the legislation will be introduced at the 2014 legislative session.

iv. Others – None.

b. Technical Committee

i. Update on status of PSAP projects with funds pending expenditure.

1. HFD - Fire/EMS CAD update.

- a. HFD is continuing to meet with TriTech and the “go live” date is tentatively scheduled for the first week of August.

2. Kauai CAD update

- a. Implementation continues to progress with the emphasis on data conversion and NG911 delivery.
- 3. Others-HPD
 - a. The “go live” date is schedule for June 1st, however there is a “go live” schedule conflict with Intrado which will need to be resolved.
 - ii. Request for PSAP updates for Enhanced 911 Timeline continuum.
 - 1. There was a request for photos and bios from new Board members to post on the website.
 - iii. Investigative Regulatory Committee Update
 - 1. There will be a meeting in March.
 - 2. Met with the PUC representative, Richard VanDrunen for a briefing on the objectives of the committee.
 - 3. Consulted with Pat Ohara regarding the cost of legal counsel and it is estimated at \$25,000 to be confirmed with Pat.
 - iv. Investigative Committee on NG911 Planning Update.
 - 1. The first meeting was last month.
 - 2. The PSAPs were informed of what to expect during the NG911 transition.
 - 3. There was a short meeting following the committee meetings involving a presentation by Tony Ramirez on the status of E911 databases.
 - v. FCC Updates
 - 1. This agenda will be a standing item each month.
 - 2. Chief of Public Safety and Homeland Security will be in Hawaii in January. Meetings will be arranged with the PSAPs.

C. Finance Committee

- i. Review of Monthly Cash Flow Financial Report.
 - 1. Cash receipts for the month - \$760,509.62.
 - 2. Disbursements for the month - \$357,496.23.
 - 3. Net Cash Flow for the month - \$403,013.39.
 - 4. Bank Balance - \$11,284,174.06.
 - 5. Unencumbered cash - \$8,457,341.80.
- ii. In-depth review of monthly cash flow report.

1. Kiman Wong reviewed in detail the various reports contained in the Monthly Cash Flow report that the committee and board members should be aware of in order to assist in analyzing the financial position of the E911 Fund.

VII. Announcements

a. Next meeting date: Tuesday, February 12, 2013, McCoy Pavilion, Ala Moana Park, 10 am – 12 noon.

i. Future meeting dates (10am – 12noon)

1. March 12, 2013, McCoy Pavilion
2. April 9, 2013; Kalanimoku Bldg, Room 322B
3. May 14, 2013; Kalanimoku Bldg, Room 322B
4. June 4, 2013; Kalanimoku Bldg, Room 322B
5. July 9, 2013; Kalanimoku Bldg, Room 322B
6. August 13, 2013; Kalanimoku Bldg, Room 322B
7. September 10, 2013; Kalanimoku Bldg, Room 322B
8. October 8, 2013; Kalanimoku Bldg, Room 322B
9. November 12, 2013; Kalanimoku Bldg, Room 322B
10. December 10, 2013; Kalanimoku Bldg, Room 322B

b. Others

VIII. Open Forum: Public comment on issues not on the agenda, for consideration for Committee agenda at the next meeting.

a. The Board Chair requested that individuals in attendance who wish to comment on issues not on the agenda for consideration at the next meeting to please come forward at this time.

b. There were no responses to this request.

IX. Adjournment: The meeting was adjourned at 10:45 am.

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FIRST HAWAIIAN BANK ACCOUNT:			
General Fund	Prior Month		Ending
	Inception-to-Date		Inception-to-Date
ITEM	Cash Flow	Current	Cash Flow
	Balance	Month	Balance
Cash Inflow:			
Enhance 911 Surcharge Collection	\$ 64,053,480.36	759,912.18	\$ 64,813,392.54
Other Income	11,555.22		11,555.22
Interest Income	1,830,249.13	597.44	1,830,846.57
<i>Prior Period Interest Income Adjustment</i>	(257,236.01)		(257,236.01)
Net Interest Income	1,573,013.12	597.44	1,573,610.56
Subtotal Cash Inflow	\$ 65,638,048.70	\$ 760,509.62	\$ 66,398,558.32
Cash Outflow:			
Act 79 Fund Transfer to State	\$ (16,000,000.00)	(135,048.32)	\$ (16,135,048.32)
PSAP Reimbursement	(31,311,372.50)		(31,311,372.50)
Board Member Travel Expense	(119,868.11)	(367.14)	(120,235.25)
DB&F Revenue Assessments	(2,822,022.61)	(191,086.29)	(3,013,108.90)
DB&F Administrative Expense Assess.	(793,696.42)	(3,767.27)	(797,463.69)
WSP Reimbursement	(973,869.70)		(973,869.70)
Consultant-Intrado, Inc.	(439,260.41)		(439,260.41)
Consultant-Exec Director	(2,238,250.16)	(27,083.33)	(2,265,333.49)
Audit Expense	(47,836.88)		(47,836.88)
Other Board Related Expenses	(10,711.24)	(143.88)	(10,855.12)
Subtotal Cash Outflow	\$ (54,756,888.03)	\$ (357,496.23)	\$ (55,114,384.26)
Bank Balance	\$ 10,881,160.67	\$ 403,013.39	\$ 11,284,174.06
Encumbrances FY 2011 (Kauai CAD)	\$ (623,524.70)		(623,524.70)
Encumbrances FY 2012	\$ (2,203,307.56)		\$ (2,203,307.56)
Unencumbered Cash	\$ 8,054,328.41	\$ 403,013.39	\$ 8,457,341.80

Note: Detail of encumbrances on page 4.

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FY2013 MONTH OF DECEMBER 2012	Kauai PSAP	Maui PSAP	Oahu PSAP	Operations	TOTAL
TOTAL RECEIPTS	0	0	0	760,510	760,510
TOTAL DISBURSEMENTS:					
Total 6200 CONFERENCES	0	0	0	0	0
6300 Non-RECURRING					
Total 6306 Training	0	0	7,198	0	7,198
Total 6300 Non-RECURRING	0	0	7,198	0	7,198
6400 RECURRING EXPENSES					
Total 6401 ADMINISTRATION	0	0	0	222,448	222,448
Total 6402 MAINTENANCE	27,159	0	0	0	27,159
6403 Other RECURRING					
Total 6403.01 Telcom Charges	18,766	0	81,925	0	100,691
Total 6403 Other RECURRING	18,766	0	81,925	0	100,691
Total 6400 RECURRING EXPENSES	45,925	0	81,925	222,448	350,298
TOTAL DISBURSEMENTS:	45,925	0	89,123	222,448	357,496

Note: Detail of Disbursements on page 6.

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FY-TO-DATE DECEMBER 2012 (6 MOS.)	TOTAL		
	6 MOS.	ANNUAL Budget	\$ Over/(Under) Budget
TOTAL RECEIPTS	4,534,711	8,880,000	(4,345,289)
TOTAL DISBURSEMENTS			
Total 6200 CONFERENCES	50,746	75,000	(24,254)
6300 Non-RECURRING			
Total 6301 CAD Replac/Upgrade	-	311,050	(311,050)
Total 6303 Computers	(47,896)	948,308	(996,204)
Total 6306 Training	7,198	59,000	(51,802)
Total 6300 Non-RECURRING	(40,698)	1,318,358	(1,359,056)
6400 RECURRING EXPENSES			
Total 6401 ADMINISTRATION	379,362	1,295,556	(916,194)
Total 6402 MAINTENANCE	669,096	3,784,860	(3,115,764)
Total 6403 Other RECURRING	601,217	1,778,981	(1,177,764)
Total 6400 RECURRING EXPENSES	1,649,675	6,859,397	(5,209,722)
TOTAL DISBURSEMENTS	1,659,723	8,252,755	(6,593,032)

Note: Detail of Disbursements on page 7.

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FY 2012 Encumbrances				
Description	Oahu	Maui	Hawaii	Total
<i>Conferences:</i>				
NENA				
VisionAir				-
Com/Board Travel				-
MSAG Services				-
HawTel Services				-
WSP Cost Recov				-
<i>CAD Upgrades:</i>				-
Maui PD				-
EMS/FIRE	991,085.48			991,085.48
HPD	785,750.00			785,750.00
Compter Eq.				-
VMS				-
PowerPhone				-
Imagery Services		426,472.08		426,472.08
CAD Maintenance				-
GPS Maintenance				-
<i>Assessments:</i>				-
Revenue				-
Administrative				-
				-
Totals	1,776,835.48	426,472.08	-	2,203,307.56

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FY 2013 STRATEGIC BUDGET PLAN CHANGES	HAWAII PSAP	OAHU PSAP	MAUI PSAP	KAUAI PSAP	ADMIN	CONFERENCE	TOTAL	Board Approval Date
<i>BOARD APPROVED ORIGINAL FY2013 STP</i>	\$ 1,239,039	\$ 2,462,117	\$ 1,390,325	\$ 762,735	\$ 1,271,086	\$ 75,000	\$ 7,200,302	7/12/2012
<i>APCO Conference (Aug 2012)</i>	6,571	13,541	4,699			(26,092)	-	7/12/2012
<i>APCO Conference (Aug 2012)</i>					1,852	(1,852)	-	9/13/2012
<i>TriTech Conference (Sep 2012)</i>				7,635		(7,635)	-	9/13/2012
<i>TriTech Conference (Sep 2012)</i>				1,365		(1,365)	-	11/8/2012
<i>Access 9-1-1 Speech & Hearing Forum (Oct 2012)</i>	2,715	4,750	2,926	1,555	14,415	(26,361)	-	9/13/2012
<i>AT&T Cost Recovery</i>					23,320		23,320	10/13/2012
<i>Maui CAD Upgrade</i>			229,050				229,050	10/13/2012
<i>Maui VMS</i>			798,308				798,308	10/13/2012
<i>ADA Compliant Funding</i>					1,000		1,000	12/13/2012
<i>Luncheon Expenses (IC on NG911 Plannin)</i>					150		150	12/13/2012
<i>Add. GET for Pictometry Invoice</i>			625				625	12/13/2012
Total	\$ 1,248,325	\$ 2,481,690	\$ 2,425,932	\$ 773,290	\$ 1,311,823	\$ 11,695	\$ 8,252,755	

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FY2013 MONTH OF DECEMBER 2012	Kauai PSAP	Maui PSAP	Oahu PSAP	ADMIN	TOTAL
TOTAL RECEIPTS	0	0	0	760,510	760,510
TOTAL DISBURSEMENTS:					
6200 CONFERENCES					
6141 Access9-1-1Forum	0	0	0	0	0
Total 6200 CONFERENCES	0	0	0	0	0
6300 Non-RECURRING					
6306 Training					
6306.12 TriTechCADSysAdm	0	0	7,198	0	7,198
Total 6306 Training	0	0	7,198	0	7,198
Total 6300 Non-RECURRING	0	0	7,198	0	7,198
6400 RECURRING EXPENSES					
6401 ADMINISTRATION					
6401.01 Exec Dir. Services	0	0	0	27,083	27,083
6401.08 Board Member Travel	0	0	0	367	367
6401.09 DB&F Assessments					
6401.0101 DB&F Admin. Assess	0	0	0	3,767	3,767
6401.0102 DB&F Rev Assessment	0	0	0	191,086	191,086
Total 6401.09 DB&F Assessments	0	0	0	194,854	194,854
6401.16 Meeting Expenses	0	0	0	144	144
Total 6401 ADMINISTRATION	0	0	0	222,448	222,448
6402 MAINTENANCE					
6402.07 0011 9-1-1MSAG Maint.	27,159	0	0	0	27,159
Total 6402 MAINTENANCE	27,159	0	0	0	27,159
6403 Other RECURRING					
Total 6403.01 Telcom Charges	18,766	0	81,925	0	100,691
Total 6403 Other RECURRING	18,766	0	81,925	0	100,691
Total 6400 RECURRING EXPENSES	45,925	0	81,925	222,448	350,298
TOTAL DISBURSEMENTS:	45,925	0	89,123	222,448	357,496

HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012

FY-TO-DATE DECEMBER 2012 (6 MOS.)	TOTAL		
	6 MOS.	ANNUAL Budget	\$ Over/(Under) Budget
TOTAL RECEIPTS	4,534,711	8,880,000	(4,345,289)
TOTAL DISBURSEMENTS			
6200 CONFERENCES			
6141 Access9-1-1Forum	15,723	26,361	(10,638)
6204 APCO Conference	26,663	26,663	(0)
6214 Nena Conference	(183)	-	(183)
6222 TriTech CAD Users	8,543	8,543	0
6200 CONFERENCES - Other	-	13,433	(13,433)
Total 6200 CONFERENCES	50,746	75,000	(24,254)
6300 Non-RECURRING			
6301 CAD Replac/Upgrade			
6301.06 Maui PD	-	229,050	(229,050)
6301 CAD Replac/Upgrade - Other	-	82,000	(82,000)
Total 6301 CAD Replac/Upgrade	-	311,050	(311,050)
6303 Computers			
6303.06 GeoComm	-	150,000	(150,000)
6303.11 PowerPhone	(47,896)	-	(47,896)
6303.14 VMS-MPD	-	798,308	(798,308)
Total 6303 Computers	(47,896)	948,308	(996,204)
6306 Training			
6306.04 EMPAQ	-	4,500	(4,500)
6306.05 ESD	-	29,500	(29,500)
6306.06 ESD-Annual Recall	-	5,000	(5,000)
6306.11 Training (CAD) HPD	-	8,000	(8,000)
6306.12 TriTechCADSystAdm	7,198	12,000	(4,802)
Total 6306 Training	7,198	59,000	(51,802)
Total 6300 Non-RECURRING	(40,698)	1,318,358	(1,359,056)
6400 RECURRING EXPENSES			
6401 ADMINISTRATION			
6401.01 Exec Dir. Services	162,500	333,125	(170,625)
6401.02 ElectronSignatur	-	200	(200)
6401.03 911 Board Expansion	-	75,000	(75,000)
6401.05 Audit Expense	11,250	11,250	-
6401.06 Bank Charge	103	-	103
6401.07 Meeting Venue	-	1,000	(1,000)
6401.08 Board Member Travel	9,693	27,000	(17,307)
6401.09 DB&F Assessments			
6401.0101 DB&F Admin. Asses	3,767	207,250	(203,483)
6401.0102 DB&F Rev Assessm	191,086	444,000	(252,914)
Total 6401.09 DB&F Assessments	194,854	651,250	(456,396)
6401.10 E911 Logo Contest	-	11,911	(11,911)
6401.11 Miscellaneous Expense	0	-	0
6401.12 NASNA Dues	-	100	(100)
6401.13 Parking Permits	-	250	(250)
6401.15 WSP Cost Recovery			
6401.0101 Sprint/Nextel	819	160,000	(159,181)
6401.0102 AT&T	-	23,320	(23,320)
Total 6401.15 WSP Cost Recovery	819	183,320	(182,501)
6401.16 Meeting Expenses	144	150	(6)
6401.17 ADA Compliance	-	1,000	(1,000)
Total 6401 ADMINISTRATION	379,362	1,295,556	(916,194)
6402 MAINTENANCE			
6402.02 Imagery Lic Agree	-	1,237,948	(1,237,948)
6402.03 Equipment SW Maint	-	40,000	(40,000)
6402.05 Logging RecordMaint	-	65,000	(65,000)
6402.07 0011 9-1-1MSAG Maint.	438,461	1,767,027	(1,328,566)
6402.08 CAD Maintenance	194,269	628,828	(434,559)
6402.10 GPS Maint.	36,366	40,800	(4,434)
6402.12 PowerPhone	-	5,257	(5,257)
Total 6402 MAINTENANCE	669,096	3,784,860	(3,115,764)
6403 Other RECURRING			
6403.01 Telecom Charges			
6403.0101 Alt. PSAP 9-1-1 Del	-	128,305	(128,305)
6403.0102 Long Distance	1,575	-	1,575
6403.0103 Mileage	6,473	-	6,473
6403.0109 Telecom Trunk	581,798	1,615,132	(1,033,334)
6403.0110 Ocean Safety CML	11,371	25,200	(13,829)
6403.0111 WiringAltDispatch	-	2,500	(2,500)
Total 6403.01 Telecom Charges	601,217	1,771,137	(1,169,920)
6403.02 EMS Tower Lease	-	7,844	(7,844)
Total 6403 Other RECURRING	601,217	1,778,981	(1,177,764)
Total 6400 RECURRING EXPENSES	1,649,675	6,859,397	(5,209,722)
TOTAL DISBURSEMENTS	1,659,723	8,252,755	(6,593,032)

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FY-TO-DATE DECEMBER 2012 (6 MOS.)	Maui PSAP		
	6 MOS.	ANNUAL Budget	\$ Over/(Under) Budget
TOTAL DISBURSEMENTS			
6200 CONFERENCES			
6141 Access9-1-1Forum	1,833	2,926	(1,093)
6204 APCO Conference	4,699	4,699	(0)
6214 Nena Conference	(62)		(62)
6222 TriTech CAD Users	-		
6200 CONFERENCES - Other	-		
Total 6200 CONFERENCES	6,469	7,625	(1,156)
6300 Non-RECURRING			
6301 CAD Replac/Upgrade			
6301.06 Maui PD	-	229,050	(229,050)
6301 CAD Replac/Upgrade - Other	-	82,000	(82,000)
Total 6301 CAD Replac/Upgrade	-	311,050	(311,050)
6303 Computers			
6303.06 GeoComm	-		
6303.11 PowerPhone	(47,896)		(47,896)
6303.14 VMS-MPD	-	798,308	(798,308)
Total 6303 Computers	(47,896)	798,308	(846,204)
6306 Training			
6306.04 EMPAQ	-	4,500	(4,500)
6306.05 ESD	-	29,500	(29,500)
6306.06 ESD-Annual Recall	-	5,000	(5,000)
6306.11 Training (CAD) HPD	-		
6306.12 TriTechCADSystemAdm	-		
Total 6306 Training	-	39,000	(39,000)
Total 6300 Non-RECURRING	(47,896)	1,148,358	(1,196,254)
6400 RECURRING EXPENSES			
6402 MAINTENANCE			
6402.02 Imagery Lic Agree	-	373,000	(373,000)
6402.03 Equipment SW Maint	-		
6402.05 Logging RecordMaint	-		
6402.07 0011 9-1-1MSAG Maint.	0	451,643	(451,643)
6402.08 CAD Maintenance	-	161,555	(161,555)
6402.10 GPS Maint.	-		
6402.12 PowerPhone	-	5,257	(5,257)
Total 6402 MAINTENANCE	0	991,455	(991,455)
6403 Other RECURRING			
6403.01 Telcom Charges			
6403.0101 Alt. PSAP 9-1-1 Del	-		
6403.0102 Long Distance	270		270
6403.0103 Mileage	-		
6403.0109 Telcom Trunk	92,832	278,495	(185,663)
6403.0110 Ocean Safety CML	-		
6403.0111 WiringAltDispatch	-		
Total 6403.01 Telcom Charges	93,102	278,495	(185,393)
6403.02 EMS Tower Lease	-		
Total 6403 Other RECURRING	93,102	278,495	(185,393)
Total 6400 RECURRING EXPENSES	93,102	1,269,950	(1,176,848)
TOTAL DISBURSEMENTS	51,675	2,425,933	(2,374,258)

HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012

FY-TO-DATE DECEMBER 2012 (6 MOS.)	Kauai PSAP		
	6 MOS.	ANNUAL Budget	\$ Over/(Under) Budget
TOTAL DISBURSEMENTS			
6200 CONFERENCES			
6141 Access9-1-1Forum	1,242	1,555	(313)
6204 APCO Conference	-		
6214 Nena Conference	-		
6222 TriTech CAD Users	8,543	8,543	0
6200 CONFERENCES - Other	-		
Total 6200 CONFERENCES	9,785	10,098	(313)
6400 RECURRING EXPENSES			
6402 MAINTENANCE			
6402.02 Imagery Lic Agree	-	194,623	(194,623)
6402.03 Equipment SW Maint	-		
6402.05 Logging RecordMaint	-		
6402.07 0011 9-1-1MSAG Maint.	108,636	325,907	(217,271)
6402.08 CAD Maintenance	-		
6402.10 GPS Maint.	-		
6402.12 PowerPhone	-		
Total 6402 MAINTENANCE	108,636	520,530	(411,894)
6403 Other RECURRING			
6403.01 Telcom Charges			
6403.0101 Alt. PSAP 9-1-1 Del	-	128,305	(128,305)
6403.0102 Long Distance	200		
6403.0103 Mileage	-		
6403.0109 Telcom Trunk	18,566	111,400	(92,834)
6403.0110 Ocean Safety CML	-		
6403.0111 WiringAltDispatch	-	2,500	(2,500)
Total 6403.01 Telcom Charges	18,766	242,205	(223,439)
6403.02 EMS Tower Lease	-		
Total 6403 Other RECURRING	18,766	242,205	(223,439)
Total 6400 RECURRING EXPENSES	127,402	762,735	(635,333)
TOTAL DISBURSEMENTS	137,187	772,833	(635,646)

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FY-TO-DATE DECEMBER 2012 (6 MOS.)	Hawaii PSAP		
	6 MOS.	ANNUAL Budget	\$ Over/(Under) Budget
TOTAL DISBURSEMENTS			
6200 CONFERENCES			
6141 Access9-1-1Forum	760	2,715	(1,955)
6204 APCO Conference	6,571	6,571	(0)
6214 Nena Conference	11		11
6222 TriTech CAD Users	-		
6200 CONFERENCES - Other	-		
Total 6200 CONFERENCES	7,342	9,286	(1,944)
6400 RECURRING EXPENSES			
6402 MAINTENANCE			
6402.02 Imagery Lic Agree	-	360,325	(360,325)
6402.03 Equipment SW Maint	-	40,000	(40,000)
6402.05 Logging RecordMaint	-		
6402.07 0011 9-1-1MSAG Maint.	155,032	465,097	(310,065)
6402.08 CAD Maintenance	-	67,273	(67,273)
6402.10 GPS Maint.	-		
6402.12 PowerPhone	-		
Total 6402 MAINTENANCE	155,032	932,695	(777,663)
6403 Other RECURRING			
6403.01 Telcom Charges			
6403.0101 Alt. PSAP 9-1-1 Del	-		
6403.0102 Long Distance	1,104		1,104
6403.0103 Mileage	-		
6403.0109 Telcom Trunk	76,586	306,344	(229,758)
6403.0110 Ocean Safety CML	-		
6403.0111 WiringAltDispatch	-		
Total 6403.01 Telcom Charges	77,690	306,344	(228,654)
6403.02 EMS Tower Lease	-		
Total 6403 Other RECURRING	77,690	306,344	(228,654)
Total 6400 RECURRING EXPENSES	232,723	1,239,039	(1,006,316)
TOTAL DISBURSEMENTS	240,065	1,248,325	(1,008,260)

**HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012**

FY-TO-DATE DECEMBER 2012 (6 MOS.)	Oahu PSAP		
	6 MOS.	ANNUAL Budget	\$ Over/(Under) Budget
TOTAL DISBURSEMENTS			
6200 CONFERENCES			
6141 Access9-1-1Forum	3,800	4,750	(950)
6204 APCO Conference	13,541	13,541	0
6214 Nena Conference	(132)		(132)
6222 TriTech CAD Users	-		
6200 CONFERENCES - Other	-		
Total 6200 CONFERENCES	17,209	18,291	(1,082)
6300 Non-RECURRING			
6303 Computers			
6303.06 GeoComm	-	150,000	(150,000)
6303.11 PowerPhone	-		
6303.14 VMS-MPD	-		
Total 6303 Computers	-	150,000	(150,000)
6306 Training			
6306.04 EMPAQ	-		
6306.05 ESD	-		
6306.06 ESD-Annual Recall	-		
6306.11 Training (CAD) HPD	-	8,000	(8,000)
6306.12 TriTechCADSystAdm	7,198	12,000	(4,802)
Total 6306 Training	7,198	20,000	(12,802)
Total 6300 Non-RECURRING	7,198	170,000	(162,802)
6400 RECURRING EXPENSES			
Total 6401 ADMINISTRATION	-		
6402 MAINTENANCE			
6402.02 Imagery Lic Agree	-	310,000	(310,000)
6402.03 Equipment SW Maint	-		
6402.05 Logging RecordMaint	-	65,000	(65,000)
6402.07 0011 9-1-1MSAG Maint.	174,793	524,380	(349,587)
6402.08 CAD Maintenance	194,269	400,000	(205,731)
6402.10 GPS Maint.	36,366	40,800	(4,434)
6402.12 PowerPhone	-		
Total 6402 MAINTENANCE	405,428	1,340,180	(934,752)
6403 Other RECURRING			
6403.01 Telcom Charges			
6403.0101 Alt. PSAP 9-1-1 Del	-		
6403.0102 Long Distance	-		
6403.0103 Mileage	6,473		
6403.0109 Telcom Trunk	393,814	918,893	(525,079)
6403.0110 Ocean Safety CML	11,371	25,200	(13,829)
6403.0111 WiringAltDispatch	-		
Total 6403.01 Telcom Charges	411,658	944,093	(532,435)
6403.02 EMS Tower Lease	-	7,844	(7,844)
Total 6403 Other RECURRING	411,658	951,937	(540,279)
Total 6400 RECURRING EXPENSES	817,086	2,292,117	(1,475,031)
TOTAL DISBURSEMENTS	841,493	2,480,408	(1,638,915)

HAWAII ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For month ending 31 December 2012

FY-TO-DATE DECEMBER 2012 (6 MOS.)	ADMIN		
	6 MOS.	ANNUAL Budget	\$ Over/(Under) Budget
TOTAL RECEIPTS	4,534,711	8,880,000	(4,345,289)
TOTAL DISBURSEMENTS			
6200 CONFERENCES			
6141 Access9-1-1Forum	8,088	14,415	(6,327)
6204 APCO Conference	1,852	1,852	-
6214 Nena Conference	-		
6222 TriTech CAD Users	-		
6200 CONFERENCES - Other	-	13,433	(13,433)
Total 6200 CONFERENCES	9,940	29,700	(19,760)
6400 RECURRING EXPENSES			
6401 ADMINISTRATION			
6401.01 Exec Dir. Services	162,500	333,125	(170,625)
6401.02 ElectronSignatur	-	200	(200)
6401.03 911 Board Expansion	-	75,000	(75,000)
6401.05 Audit Expense	11,250	11,250	-
6401.06 Bank Charge	103		103
6401.07 Meeting Venue	-	1,000	(1,000)
6401.08 Board Member Travel	9,693	27,000	(17,307)
6401.09 DB&F Assessments			
6401.0101 DB&F Admin. Assess	3,767	207,250	(203,483)
6401.0102 DB&F Rev Assessment	191,086	444,000	(252,914)
Total 6401.09 DB&F Assessments	194,854	651,250	(456,396)
6401.10 E911 Logo Contest	-	11,911	(11,911)
6401.11 Miscellaneous Expense	0		
6401.12 NASNA Dues	-	100	(100)
6401.13 Parking Permits	-	250	(250)
6401.15 WSP Cost Recovery			
6401.0101 Sprint/Nextel	819	160,000	(159,181)
6401.0102 AT&T	-	23,320	(23,320)
Total 6401.15 WSP Cost Recovery	819	183,320	(182,501)
6401.16 Meeting Expenses	144	150	(6)
6401.17 ADA Compliance	-	1,000	(1,000)
Total 6401 ADMINISTRATION	379,362	1,295,556	(916,194)
Total 6400 RECURRING EXPENSES	379,362	1,295,556	(916,194)
TOTAL DISBURSEMENTS	389,302	1,325,256	(935,954)

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- PSAP Operations**

9-1-1 Call Volume – December 2012

(Source: Plant/CML Call Volumes Provided by Hawaiian Telcom, Inc.)

PSAP	Total	Wireline	%	Wireless	%
OAHU CIVILIAN (*)	84,557	24,590	29.1%	59,940	70.9%

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

9-1-1 Call Volume – Calendar Year 2012

OAHU CIVILIAN		TOTAL PSAP 9-1-1 CALL VOLUME							
		Wireline		Wireless		Admin		Abandoned	
2012	Total	# of Calls	% to Total Wireline & Wireless	# of Calls	% to Total Wireline & Wireless	# of Calls	% to Total Calls	# of Calls	% Abandoned to Total
December	84,557	24,590	29.1%	59,940	70.9%	27	0.0%	6,865	8.1%
November	81,232	23,536	29.0%	57,682	71.0%	14	0.0%	6,836	8.4%
October	85,546	24,513	28.7%	61,014	71.3%	19	0.0%	7,713	9.0%
September	82,621	23,961	29.0%	58,653	71.0%	7	0.0%	7,435	9.0%
August	86,496	24,920	28.8%	61,559	71.2%	17	0.0%	7,150	8.3%
July	84,574	24,791	29.3%	59,775	70.7%	8	0.0%	7,686	9.1%
June	80,608	24,047	29.8%	56,552	70.2%	9	0.0%	7,227	9.0%
May	84,865	25,020	29.5%	59,832	70.5%	13	0.0%	7,380	8.7%
April	80,313	23,708	29.5%	56,597	70.5%	8	0.0%	7,449	9.3%
March	84,388	25,100	29.7%	59,280	70.3%	8	0.0%	7,866	9.3%
February	76,894	23,457	30.5%	53,431	69.5%	6	0.0%	6,843	8.9%
January	83,434	25,004	30.0%	58,409	70.0%	21	0.0%	7,257	8.7%
TOTAL YTD	995,528	292,647	29.4%	702,724	70.6%	157	0.0%	87,707	8.8%
AVG PER MO	82,961	24,387		58,560		13		7,309	

Note: Total Calls include Administrative calls that are not direct 9-1-1 calls.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **PSAP Operations (continued)**

9-1-1 Call Volume – Calendar Year 2012 (continued)

OAHU CIVILIAN		TRANSFERRED TO CALL TAKERS (HPDCT)									
		Wireline			Wireless			Admin		Abandoned	
2012	Total	# of Calls	% to Total Wireline & Wireless	% of Total Wireline	# of Calls	% to Total Wireline & Wireless	% of Total Wireless	# of Calls	% to Total Calls	# of Calls	% Abandoned to Total
December	3,339	1,035	31.1%	4.2%	2,296	68.9%	3.8%	8	0.2%	126	3.8%
November (4)	23,169	6,217	26.9%	26.4%	16,874	73.1%	29.3%	78	0.3%	640	2.8%
October	40,297	11,044	27.5%	45.1%	29,111	72.5%	47.7%	142	0.4%	0	0.0%
September (3)	34,264	9,355	27.4%	39.0%	24,820	72.6%	42.3%	89	0.3%	1,025	3.0%
August	42,255	11,826	28.1%	47.5%	30,305	71.9%	49.2%	124	0.3%	1,421	3.4%
July	40,621	11,396	28.1%	46.0%	29,123	71.9%	48.7%	102	0.3%	1,262	3.1%
June	38,716	10,902	28.3%	45.3%	27,679	71.7%	48.9%	135	0.3%	1,015	2.6%
May	41,206	11,408	27.8%	45.6%	29,679	72.2%	49.6%	119	0.3%	983	2.4%
April	37,868	10,664	28.3%	45.0%	27,070	71.7%	47.8%	134	0.4%	976	2.6%
March (2)	37,668	10,464	27.9%	41.7%	27,101	72.1%	45.7%	103	0.3%	1,192	3.2%
February (1)	32,309	9,312	28.9%	39.7%	22,912	71.1%	42.9%	85	0.3%	743	2.3%
January	40,526	11,639	28.8%	46.5%	28,806	71.2%	49.3%	81	0.2%	1,095	2.7%
TOTAL YTD	412,238	115,262	28.0%	39.4%	295,776	72.0%	42.1%	1,200	0.3%	10,478	2.5%
AVG PER MO	34,353	9,605			24,648			100		873	

Note: Total Calls include Administrative calls that are not direct 911 calls.

- (1) No statistics were captured from February 27 – 29, 2012 while Dispatch was at the alternate site in Kapolei.
- (2) No statistics were captured from March 1 – 2, 2012 while Dispatch was at the alternate site in Kapolei.
- (3) No statistics were captured from September 24 – 27, 2012 while Dispatch was at the alternate site in Kapolei.
- (4) No statistics were captured from November 18, 2012, 1:30 p.m. (except for 135 calls which were redirected and captured on November 28, 2012 from 1117 hours to 1301 hours due to equipment issues at Kapolei).
- (5) No statistics were captured from December 1, 2012 to December 29, 2012, 2130 hours, while Dispatch was at the alternate site in Kapolei.

OAHU CIVILIAN		TRANSFERRED TO URGENT RESPONSE (HPDURS)									
		Wireline			Wireless			Admin		Abandoned	
2012	Total	# of Calls	% to Total Wireline & Wireless	% of Total Wireline	# of Calls	% to Total Wireline & Wireless	% of Total Wireless	# of Calls	% to Total Calls	# of Calls	% Abandoned to Total
December	17,003	5,826	34.3%	23.7%	11,167	65.7%	18.6%	10	0.1%	529	3.1%
November	16,867	5,822	34.7%	24.7%	10,965	65.3%	19.0%	80	0.5%	2,022	12.0%
October	15,479	5,540	36.1%	22.6%	9,817	63.9%	16.1%	122	0.8%	601	3.9%
September	14,946	5,496	36.9%	22.9%	9,387	63.1%	16.0%	63	0.4%	904	6.0%
August	15,096	5,309	35.4%	21.3%	9,674	64.6%	15.7%	113	0.7%	631	4.2%
July	14,816	5,301	36.1%	21.4%	9,393	63.9%	15.7%	122	0.8%	560	3.8%
June	14,412	5,106	35.6%	21.2%	9,218	64.4%	16.3%	88	0.6%	641	4.4%
May	15,111	5,304	35.4%	21.2%	9,698	64.6%	16.2%	109	0.7%	655	4.3%
April	14,643	5,147	35.4%	21.7%	9,391	64.6%	16.6%	105	0.7%	607	4.1%
March	15,658	5,501	35.4%	21.9%	10,053	64.6%	17.0%	104	0.7%	800	5.1%
February	14,412	5,216	36.4%	22.2%	9,121	63.6%	17.1%	73	0.5%	955	6.6%
January	15,220	5,166	34.2%	20.7%	9,949	65.8%	17.0%	105	0.7%	620	4.1%
TOTAL YTD	183,661	64,734	35.5%	22.1%	117,833	64.5%	16.8%	1,094	0.6%	9,525	5.2%
AVG PER MO	15,305	5,395			9,819			91		794	

Note: Total Calls include Administrative calls that are not direct 911 calls.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

● **PSAP Operations (continued)**

9-1-1 Call Volume – Calendar Year 2012 (continued)

OAHU CIVILIAN		TRANSFERRED TO DROP									
		Wireline			Wireless			Admin		Abandoned	
2012	Total	# of Calls	% to Total Wireline & Wireless	% of Total Wireline	# of Calls	% to Total Wireline & Wireless	% of Total Wireless	# of Calls	% to Total Calls	# of Calls	% Abandoned to Total
December	1,752	230	13.1%	0.9%	1,522	86.9%	2.5%	0	0.0%	606	34.6%
November (4)	6,535	1,568	24.0%	6.7%	4,963	76.0%	8.6%	4	0.1%	4,325	66.2%
October	9,860	2,810	28.5%	11.5%	7,047	71.5%	11.5%	3	0.0%	7,558	76.7%
September (3)	8,315	2,359	28.4%	9.8%	5,949	71.6%	10.1%	7	0.1%	6,180	74.3%
August	11,301	2,981	26.4%	12.0%	8,311	73.6%	13.5%	9	0.1%	7,864	69.6%
July	10,093	3,110	30.8%	12.5%	6,976	69.2%	11.7%	7	0.1%	7,939	78.7%
June	9,363	3,001	32.1%	12.5%	6,356	67.9%	11.2%	6	0.1%	7,396	79.0%
May	9,782	3,172	32.4%	12.7%	6,610	67.6%	11.0%	0	0.0%	7,901	80.8%
April	9,511	3,055	32.1%	12.9%	6,454	67.9%	11.4%	2	0.0%	7,932	83.4%
March (2)	8,768	2,951	33.7%	11.8%	5,815	66.3%	9.8%	2	0.0%	7,517	85.7%
February (1)	7,681	2,567	33.4%	10.9%	5,109	66.6%	9.6%	5	0.1%	6,237	81.2%
January	9,496	3,168	33.4%	12.7%	6,325	66.6%	10.8%	3	0.0%	7,861	82.8%
TOTAL YTD	102,457	30,972	30.2%	10.6%	71,437	69.8%	10.2%	48	0.0%	79,316	77.4%
AVG PER MO	8,538	2,581			5,953			4		6,610	

Note: Total Calls include Administrative calls that are not direct 911 calls.

- (1) No statistics were captured from February 27 – 29, 2012 while Dispatch was at the alternate site in Kapolei.
- (2) No statistics were captured from March 1 – 2, 2012 while Dispatch was at the alternate site in Kapolei.
- (3) No statistics were captured from September 24 – 27, 2012 while Dispatch was at the alternate site in Kapolei.
- (4) No statistics were captured from November 18, 2012, 1:30 p.m.
- (5) No statistics were captured from December 1, 2012 to December 29, 2012, 2130 hours, while Dispatch was at the alternate site in Kapolei.

OAHU CIVILIAN		TRANSFERRED TO FIRE (HFD)									
		Wireline			Wireless			Admin		Abandoned	
2012	Total	# of Calls	% to Total Wireline & Wireless	% of Total Wireline	# of Calls	% to Total Wireline & Wireless	% of Total Wireless	# of Calls	% to Total Calls	# of Calls	% Abandoned to Total
December	5,225	2,020	41.9%	8.2%	2,801	58.1%	4.7%	404	7.7%	1,501	28.7%
November	5,369	2,084	42.1%	8.9%	2,865	57.9%	5.0%	420	7.8%	1,241	23.1%
October	5,018	1,983	43.0%	8.1%	2,625	57.0%	4.3%	410	8.2%	1,507	30.0%
September	4,823	1,953	42.8%	8.2%	2,611	57.2%	4.5%	259	5.4%	1,477	30.6%
August	5,563	2,068	39.9%	8.3%	3,112	60.1%	5.1%	383	6.9%	1,458	26.2%
July	5,416	2,037	40.2%	8.2%	3,029	59.8%	5.1%	350	6.5%	1,427	26.3%
June	5,755	2,112	38.5%	8.8%	3,379	61.5%	6.0%	264	4.6%	1,430	24.8%
May	5,734	2,207	41.5%	8.8%	3,110	58.5%	5.2%	417	7.3%	1,429	24.9%
April	4,595	1,896	45.2%	8.0%	2,298	54.8%	4.1%	401	8.7%	1,375	29.9%
March	5,100	2,252	47.7%	9.0%	2,472	52.3%	4.2%	376	7.4%	1,407	27.6%
February	5,070	2,059	43.5%	8.8%	2,675	56.5%	5.0%	336	6.6%	1,310	25.8%
January	5,183	2,096	43.2%	8.4%	2,752	56.8%	4.7%	335	6.5%	1,267	24.4%
TOTAL YTD	62,851	24,767	42.3%	8.5%	33,729	57.7%	4.8%	4,355	6.9%	16,829	26.8%
AVG PER MO	5,238	2,064			2,811			363		1,402	

Note: Total Calls include Administrative calls that are not direct 911 calls.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **PSAP Operations (continued)**

9-1-1 Call Volume – Calendar Year 2012 (continued)

OAHU CIVILIAN		TRANSFERRED TO EMS									
		Wireline			Wireless			Admin		Abandoned	
2012	Total	# of Calls	% to Total Wireline & Wireless	% of Total Wireline	# of Calls	% to Total Wireline & Wireless	% of Total Wireless	# of Calls	% to Total Calls	# of Calls	% Abandoned to Total
December	7,428	2,908	40.2%	11.8%	4,326	59.8%	7.2%	194	2.6%	106	1.4%
November	7,144	2,833	41.1%	12.0%	4,059	58.9%	7.0%	252	3.5%	137	1.9%
October	7,235	2,772	39.4%	11.3%	4,271	60.6%	7.0%	192	2.7%	145	2.0%
September	6,872	2,759	41.4%	11.5%	3,906	58.6%	6.7%	207	3.0%	125	1.8%
August	7,042	2,765	40.6%	11.1%	4,046	59.4%	6.6%	231	3.3%	168	2.4%
July	6,846	2,782	41.9%	11.2%	3,860	58.1%	6.5%	204	3.0%	133	1.9%
June	6,496	2,696	42.8%	11.2%	3,599	57.2%	6.4%	201	3.1%	113	1.7%
May	7,211	3,036	42.9%	12.1%	4,033	57.1%	6.7%	142	2.0%	120	1.7%
April	6,985	2,852	41.9%	12.0%	3,958	58.1%	7.0%	175	2.5%	117	1.7%
March	7,364	3,144	43.7%	12.5%	4,056	56.3%	6.8%	164	2.2%	135	1.8%
February	6,878	2,950	43.8%	12.6%	3,778	56.2%	7.1%	150	2.2%	116	1.7%
January	6,910	2,951	43.9%	11.8%	3,778	56.1%	6.5%	181	2.6%	105	1.5%
TOTAL YTD	84,411	34,448	41.9%	11.8%	47,670	58.1%	81.6%	2,293	2.7%	1,520	1.8%
AVG PER MO	7,034	2,871			3,973			191		127	

Note: Total Calls include Administrative calls that are not direct 911 calls.

Notes:

- (1) "Abandoned" calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered.
- (2) "Abandoned" calls are included in the "Wireline" and "Wireless" counts respectively. The standard CML reports do not provide a break-out of "Abandoned" calls between "Wireline" and "Wireless" calls.
- (3) Total call volumes include Administrative calls. (Administrative calls = Calls made between 911 positions but are not 911 calls.)

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

9-1-1 Call Volume – Calendar Year 2012 (continued)

OAHU CIVILIAN		MISCELLANEOUS CALLS (Total includes, but not limited to, calls transferred to Poison Control, Crisis Center, RDC, or Neighbor Islands, and non-transferred calls such as wrong number or test calls)					
		January	February (1)	March (2)	April	May	June
2012	TOTAL YTD	6,099	10,546	9,830	6,711	5,821	5,866
	149,910						
	AVG PER MO	July	August	Sept (3)	October	Nov (4)	Dec (5)
	12,493	6,782	5,239	13,401	7,657	22,148	49,810

(1) Miscellaneous Call Volumes may be higher since no call volume statistics were captured for HPDCT and Drop queues from February 27 – 29, 2012 while Dispatch was at the alternate site in Kapolei. The other call queues are complete since Kapolei has the ability to transfer calls via CML to these queues.

(2) Miscellaneous Call Volumes may be higher since no call volume statistics were captured for HPDCT and Drop queues from March 1 – 2, 2012 while Dispatch was at the alternate site in Kapolei. The other call queues are complete since Kapolei has the ability to transfer calls via CML to these queues.

(3) Miscellaneous Call Volumes may be higher since no call volume statistics were captured for HPDCT and Drop queues from September 24 – 27, 2012 while Dispatch was at the alternate site in Kapolei. The other call queues are complete since Kapolei has the ability to transfer calls via CML to these queues.

(4) Miscellaneous Call Volumes may be higher since no call volume statistics were captured for HPDCT and Drop queues from November 18, 2012, 1:30 p.m.

(5) Miscellaneous Call Volumes may be higher since no call volume statistics were captured for HPDCT and Drop queues from December 1, 2012 – December 29, 2012, 2130 hours, while Dispatch was at the alternate site in Kapolei. The other call queues are complete since Kapolei has the ability to transfer calls via CML to these queues.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

Wireless Test – December 2012

Date	WSP	Sites Tested	Sectors Tested	Tested By	Test Pass/Fail
12/03/12	AT&T Mobility	1	2	Oahu PSAP/ Akimeka	Pass
12/05/12	Verizon Wireless	1	3	Oahu PSAP/ Akimeka	Pass
12/05/12	AT&T Mobility	1	2	Oahu PSAP/ Akimeka	Pass
12/06/12	AT&T Mobility	2	12	Oahu PSAP/ Akimeka	Pass
12/18/12	Verizon Wireless	1	3	Oahu PSAP/ Akimeka	Pass
12/18/12	Verizon Wireless	1	3	Oahu PSAP/ Akimeka	Fail
12/18/12	AT&T Mobility	1	9	Oahu PSAP/ Akimeka	Pass
12/18/12 -- 12/19/12	T-Mobile	5	15	Oahu PSAP/ Akimeka	Pass
12/18/12 -- 12/19/12	T-Mobile	2	6	Oahu PSAP/ Akimeka	Fail
12/21/12	AT&T Mobility	4	10	Oahu PSAP/ Akimeka	Pass

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

• PSAP Operations (continued)

Current Month PSAP Operations Activities – December 2012

- | | |
|-----------------------------|---|
| Weekly
(Every
Friday) | <p>The Oahu Civilian PSAPs, along with the other PSAPs and Akimeka, participated in the weekly conference calls (except the December 7, 2012 and December 21, 2012 conference calls which were cancelled) hosted by Hawaiian Telcom, Inc. (HTI) to review the Solacom conversion in the State of Hawai'i.</p> <p>HTI reported that on December 10, 2012, Solacom engineers, Marcel Rousseau and Marty Deleohardis uploaded the new Solacom upgrade at the County of Hawaii PSAPs (Police and Fire). This upgrade was intended to address some of the troubles previously reported. The upgrade was successfully tested by the Solacom engineers.</p> <p>The focus of the conference call has shifted to the Intrado Viper solution and installation.</p> |
| 12/07/12 | <p>All of the State of Hawai'i PSAPs received the FCC 317786A1 - Texting to 911 document. This document outlines texting to 9-1-1 on the Verizon, AT&T, Sprint and T-Mobile networks with APCO and NENA in 2014. This does not mean or infer that 9-1-1 texting will be available to all consumers in 2014; it will merely hasten the day when it becomes available.</p> <p>The agreement calls for all parties to work together to ensure a seamless introduction and implementation of texting to 9-1-1, with specific provisions to include:</p> <ol style="list-style-type: none"> 1. Text to 9-1-1 service capabilities will be deployed throughout the WSP's wireless network by May 15, 2014. 2. Bounce back notification will be sent to subscribers by June 30, 2013 when texting to 9-1-1 is available in their area. 3. Texting to 9-1-1 progress reports will be submitted quarterly by the WSPs to APCO and NENA. |
| 12/19/12 | <p>The State of Hawai'i PSAPs monthly scheduled PSAP Round Table Forum via conference call was cancelled for the month of December 2012.</p> |
| 12/20/12 | <p>The State of Hawai'i PSAPs participated in a meeting or via webinar with Hawaiian Telcom, Inc. (HTI) and Intrado to continue discussions on the Intrado Viper cutover. A presentation was provided by Tina Metvier, the Intrado Customer Team Director, outlining the Intrado Viper Next Gen 9-1-1 Project Plan. Statewide implementation is projected for the 4th quarter of 2013. Intrado and HTI are striving to implement the Intrado solution to the County of Hawai'i PSAPs (Police and Fire) as early as possible in 2013.</p> |
| 12/29/12 | <p>The Honolulu Police Dispatch returned to the Main Dispatch Center from the Kapolei Alternate Dispatch Center due to anticipated New Years call volumes.</p> |

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

Wireless Tower Re-Naming Project

As reported previously, during the test process, Akimeka observed that the source of the data being displayed was being retrieved from both the GIS mapping layer and the ALI datastream. Akimeka has been working with GeoComm to change the settings on the system configuration and what is being displayed in the Call Information Grid versus the Call Information Pane.

City & County of Honolulu DIT, who updates the GeoComm system, has the ability to configure the Call Information Pane only and not the Call information Grid area where the Tower Address information is preferred to be located.

GeoComm is currently researching the possibility to add another field in the Grid location to populate the Tower Address information.

As of December 31, 2012, there has been no further developments.

- **MSAG**

Current Month – December 2012

2012		9-1-1NET REQUESTS									In Suspended Status as of Report Month End (c)	
		MSAG TRANSACTIONS							ALI TRANSACTIONS			
PSAP	TOTAL	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected	County Address Change Request (TN CR) Submitted (a)	ALI Discrepancy (ALI-DR) Submitted (b)	# of Transactions	TNs Affected
OAHU CIVILIAN	176	148	88	4	13	10	33	10,010	28	0	0	0

Revised categories and report format changes effective May 2012.

During the month of December 2012, 148 9-1-1Net requests were completed relating to the MSAG database, with 10,010 customer ANI/ALI records updated as a direct result. Twenty-eight (28) TN CRs were submitted to 9-1-1Net for updates and corrections, as needed. See attached spreadsheet for a detailed description of changes and additions.

There are no records in Suspended status as of December 31, 2012.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **MSAG (continued)**

Year-to-Date (YTD) Summary – 2012

OAHU CIVILIAN		9-1-1NET REQUESTS										In Suspended Status as of Report Month End (c)	
		MSAG TRANSACTIONS							ALI TRANSACTIONS				
2012	TOTAL	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected (*)	County Address Change Request (TN CR) Submitted (a)	ALI Discrepancy (ALI-DR) Submitted (b)	# of Transactions	TNs Affected	
December	176	148	88	4	13	10	33	10,010	28	0	0	0	
November	200	200	144	2	39	7	8	4,084	0	0	0	0	
October	296	284	191	5	11	32	45	21,360	12	0	0	0	
September	270	229	192	2	5	10	20	5,938	41	0	0	0	
August	269	257	203	12	13	10	19	18,866	12	0	0	0	
July	88	81	40	3	4	15	19	3,658	7	0	0	0	
June	52	52	31	18	0	0	3	1,553	0	0	0	0	
May (1)	180	180	0	179	0	1	0	0	0	0	0	0	
April (1)	0	0	0	0	0	0	0	0	0	0	0	0	
March	300	300	0	300	0	0	0	0	0	0	0	0	
February	241	241	2	237	0	2	0	0	0	0	0	0	
January	69	69	0	69	0	0	0	0	0	0	0	0	
TOTAL YTD	2,141	2,041	891	831	85	87	147	65,469	100	0			
AVG PER MO	178	170	74	69	7	7	12	5,456	13	0			

(*) Applies to Change Request Category Only

Note: Revised categories and report format changes effective May 2012 with new Intrado TN CR functionality.

(*) During the month of April 2012, Akimeka was informed by Intrado that no MSAG requests or transactions within the Intrado E9-1-1 MSAG would be processed as directed by Hawaiian Telcom, Inc. (HTI). On May 14, 2012, Akimeka received an email notification from Intrado advising Akimeka that HTI approved the Oahu Combine project and processing MSAG transactions could be resumed.

Definitions:	(a)	Represents address corrections on a specific TN or group of TNs.
	(b)	Represents ALI Discrepancies discovered during a 9-1-1 call. These record corrections are treated with a higher urgency.
	(c)	Represents what is in suspension status at the end of the report month -- awaiting further action by County, Telco, or Akimeka.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **MSAG (continued)**

MSAG Communities Project

MSAG Community and Street Segment Sweep – Phase II Status

On December 4, 2012, Akimeka received approval from Mr. Joe Tamloo to proceed with the Military/Oahu Civilian transfers. As such, Akimeka sent an email to inform Intrado of the Military's approval for Akimeka to proceed with the MSAG cleanup.

On December 19, 2012, Akimeka also sent an email to Hawaiian Telcom, Inc. (HTI) to confirm that approval had been received from the Military to proceed with the MSAG clean up specifically for routing purposes between the Military and Oahu Civilian jurisdictions. Approval from HTI is still pending as of December 31, 2012.

MSAG Community and Street Segment Sweep – Phase III Status

HPD PMT approved the MSAG Communities identified in Phase III.

The following MSAG Communities have been completed, however are still pending 9-1-1Net as follows:

Moanalua	Kapolei
Moanalua T	Kalaeloa
Halsey T	Waipahu
Wahiawa	

Below is the latest status of the Phase III work effort as of **December 31, 2012**.

EXISTING MSAG COMMUNITY (In Order of Effort)	MSAG COMMUNITY AND STREET SEGMENT SWEEP				GIS UPDATES	
	TARGET START DATE	TARGET COMPLETION DATE	ACTUAL COMPLETION DATE	NOTES/COMMENTS	DATE GIS DELIVERED TO HPD	DATE GIS LOADED TO CAD BY HPD
Waimanalo (Accounts for Bellows)			COMPLETED -- 07/11/12		08/06/12	09/07/12
Kailua (Accounts for MCBH and Kaneohe)		08/03/12	COMPLETED -- 10/1/12		09/07/12	Not loaded by AVS
Kaneohe (Accounts for Kahaluu -- New MSAG Community)		09/14/12	COMPLETED -- 10/30/12			
Kaaawa	08/01/12	08/03/12	COMPLETED -- 10/26/12			
Haleiwa (Accounts for Sunset -- New MSAG Community)	08/14/12	08/23/12	COMPLETED -- 10/12/12			
Waialua (Accounts for Mokuleia -- New MSAG Community)	08/15/12	08/24/12	COMPLETED -- 10/16/12			
Kunia	08/15/12	08/17/12	COMPLETED -- 10/15/12			

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **MSAG (continued)**

MSAG Community and Street Segment Sweep – Phase III Status (continued)

EXISTING MSAG COMMUNITY (In Order of Effort)	MSAG COMMUNITY AND STREET SEGMENT SWEEP				GIS UPDATES	
	TARGET START DATE	TARGET COMPLETION DATE	ACTUAL COMPLETION DATE	NOTES/COMMENTS	DATE GIS DELIVERED TO HPD	DATE GIS LOADED TO CAD BY HPD
Iroquois	09/10/12	09/17/12	COMPLETED – 10/25/12		09/21/12	09/28/12
McGrew Pt	09/14/12	09/27/12	COMPLETED – 10/30/12			
Hale Moku	09/14/12	09/27/12	Pending 9-1-1Net	Pending the processing of two (2) MSAG transactions		
Hokulani	09/14/12	09/27/12	COMPLETED – 10/25/12			
Moanalua	09/17/12	09/27/12	COMPLETED – 12/12/12			
Moanalua T	09/17/12	09/27/12	Pending 9-1-1Net	Pending the processing of two (2) MSAG transactions	10/05/12	Not loaded by AVS
Moanalua V	09/18/12	09/27/12	COMPLETED – 10/30/12			
Catlin Pk	09/18/12	09/27/12	COMPLETED – 11/12/12			
Halsey T	09/18/12	09/27/12	Pending 9-1-1Net	Pending the processing of one (1) MSAG transactions		
Miller Pk	09/19/12	09/27/12	COMPLETED – 10/26/12			
Radford T	09/19/12	09/27/12	COMPLETED – 10/12/12			
Mapunapuna	09/20/12	09/27/12	COMPLETED – 10/30/12			
Mililani	08/27/12	10/10/12	COMPLETED – 10/17/12			
Wahiawa	10/03/12	10/23/12	Pending 9-1-1Net	Pending the processing of five (5) MSAG transactions	10/19/12	Not loaded by AVS
Kapolei (Accounts for Makakilo -- New MSAG Community)	10/15/12	11/14/12	Pending 9-1-1Net	Pending the processing of six (6) MSAG transactions	11/02/12	11/30/12
Kalaeloa (Accounts for NAS Barber's Point)	11/13/12	11/15/12	Pending 9-1-1Net	Pending the processing of five (5) MSAG transactions	11/16/12	Not loaded by AVS

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **MSAG (continued)**

MSAG Community and Street Segment Sweep – **Phase III** Status (continued)

EXISTING MSAG COMMUNITY (In Order of Effort)	MSAG COMMUNITY AND STREET SEGMENT SWEEP				GIS UPDATES	
	TARGET START DATE	TARGET COMPLETION DATE	ACTUAL COMPLETION DATE	NOTES/COMMENTS	DATE GIS DELIVERED TO HPD	DATE GIS LOADED TO CAD BY HPD
Waipahu	11/14/12	12/12/12	Pending 9-1-1Net	Pending the processing of three (3) MSAG transactions	11/30/12	12/31/2012
Ewa Beach	12/10/12	01/14/13	In Progress		12/14/12	Not loaded by AVS
					12/28/12	Not loaded by AVS
Pearl City	01/07/13	01/25/13	In Progress			
PC PEN (Pearl City Peninsula)	01/14/13	01/28/13				
Aiea	01/17/13	02/15/13				

Note: GIS updates delivered by Akimeka to HPD will include the most recent Phase III MSAG Communities plus the MSAG Communities completed and delivered in prior GIS updates.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- Geographic Information System (GIS)**

Mapping Layers Updated -- Calendar Year Summary 2012 (Includes December 2012 Activity)

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Address Points	12/04/12		Added 241 new address points in Ewa Beach based on updates from DPP
	11/30/12		Populated X-Y coordinates for new address points
			Added 75 new address points in the Ewa by Gentry development in Ewa Beach
	11/26/12		Added an ESN field to the attributes
	11/07/12 -- 11/19/12		Worked on adding TriTech attributes to the Address Points layer to prepare for TriTech's upgrade. Worked on building a single source Address Points layer with the TriTech CAD minimum geofile build requirements. This work effort is in support of HFD and EMS, which has been approved by HPD PMT.
	10/18/12		Reviewed Kukuna at Mehana development in order to add new address points. The site plan is showing potential streets and address points which has not been confirmed as yet.
	10/17/12		Reviewed new development in Ewa by Gentry Area 40 for implementation into the layer
	10/15/12		Made corrections to schema for Address Points. Added STATE field to attributes and removed LOCATIONID (GUID)
	10/02/12 -- 10/04/12		Corrected street names
	07/23/12		Added a NEW_CITY field to the Address Points layer based on the new MSAG Communities project. The address points are not used in HPD's current CAD system. So this layer is being maintained and updated for the new PremierOne CAD.
	06/07/12		Continued to work on setting up attributes to meet the Motorola Geofile Build requirements and other State of Hawaii PSAP's Address Points as a standard guide.
	06/05/12 -- 06/08/12		Added fields based on Motorola Geofile Build requirements as well as fields used by the other State of Hawaii PSAPs. Added metadata to include descriptions for the layer and each field.
06/01/12		Akimeka received Address Points layer from CCH DPP GIS	

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Common Place Name	12/31/12		Reviewed all Common Places that fell on streets with CORRECTED GAPS between NOV 16 2012 and DEC 10 2012 in the Master Common Places feature class. Found one (1) discrepancy (Wahiawa Rec Ctr) which requires further review by HPD.
	12/28/12		Populated missing TOW_ID, POLICE_ID, and SUBBEAT_ID fields in the Master Common Places feature class
			Populated X, Y coordinates of Tamuras Wines Aiea and Tamuras Wines Kaneoh in the Master Common Places feature class
	12/27/12		Deleted Tamura Enterprises since this location does not exist
			Added new Common Places for Tamuras Wines Aiea and Tamuras Wines Kaneoh to the Master Common Places feature class
			Received HPD feedback from GIS Corrections DEC 20 2012 report. Verified and corrected NAME of twenty-two (22) Unocal Common Places to 76Gas for each corresponding community name in the Master Common Places feature class. Designated previous Unocal names under PREM1_ALIAS1 or PREM1_ALIAS 2.
	12/20/12		Corrected Dole Plantation PREM1_CLASS from Commercial to Visitor Attraction and PREM1_SUBCLASS from Agriculture to Plantation in the Master Common Places feature class
			Received GIS Corrections error report from the NOV 30 2012 data. Reviewed seven (7) reported errors, corrected two (2) errors, and populated Akimeka Comments accordingly. Completed review of error report for same day response.
	12/18/12		Corrected PREM1_CLASS of Ssechuri Lounge from "Foor and Beverage" to "Food and Beverage" in the Master Common Places feature class
	12/17/12		Added PREM1_BUILDING and PREM1_SUBHOUSE fields into the Master Common Places feature class attribute table. Renamed ALIAS1, ALIAS2, and ALIAS3 to PREM1_ALIAS1, PREM1_ALIAS2, and PREM1_ALIAS3 and rearranged the order of the fields.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server		Other/Remarks
	Date Created/ Edits Performed	Date Loaded Into PSAP GIS Server	
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Common Place Name (continued)	12/14/12		Spatially corrected sixty-three (63) Waimanalo Common Places to the correct street ranges in the Master Common Places feature class
			Corrected Makapuu Lookout PREM1_CITY from Waimanalo to Hawaii Kai in the Master Common Places feature class
	12/13/12		Spatially corrected Hawaiian Railway Soc and Hale Kipa Ewa Girls to the correct street ranges in the Master Common Places feature class, following the spatial alignment of Waimanalo
	12/12/12		Populated Akimeka Comments on the GIS Corrections DEC 5 2012 report
	12/06/12 -- 12/13/12		Reviewed fifty-five (55) report errors and corrected twenty-two (22) on the GIS Corrections DEC 5 2012 report
	12/05/12		Corrected one (1) TCAD error and confirmed one (1) physical location from the NOV 13 2012 report
			Received GIS Corrections error report, formally the HPD Error Report, from HPD. Reviewed nine (9) reported errors and corrected seven (7) errors.
	12/04/12		Corrected five (5) TCAD errors and researched ten (10) records for follow up on the NOV 13 2012 report
	11/30/12		Exported the Landmarks and Common Places feature class to the respective shapefiles for the bi-monthly deliverable.
			Created the Landmarks Blank feature class; removed Alias name.
	11/29/12		Populated OMIL ESNs in the Common Places feature class
	11/28/12		Populated PREM1_SUBCLASS for Foodland Kapolei in the Common Places feature class
11/27/12		Populated the CITY and PREM1_CITY fields for Kalaeloa in the Common Places feature class; populated 28 records.	

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Common Place Name (continued)	11/26/12 -- 11/30/12		Researched and verified TCAD errors from the NOV 13 2012 report, with the exception of all Military related errors for further assessment
	11/26/12		Updated CITY_ID from Honolulu to Moanalua V for all PREM1_CITY Moanalua V records in the Common Places feature class
	11/23/12		Moved Common Place location of Dole Jet Fresh Sales and Dole Plantation to the correct street range
	11/20/12 -- 11/21/12		Researched and verified addresses for Haleiwa Joes Haleiwa, Bridge Analulu, Chevron Haleiwa, Dole Jet Fresh Sales in the Common Places feature class
	11/19/12		Sorted through all Common Places feature class attributes to obtain an estimated count of all Common Place Names referencing freeways
	11/15/12		Corrected address for Barbers Pt Ft Barret, Ft Barrette Gate, and HTCO Barbers PT from 911008 Fort Barrette Rd to 10 Fort Barrette Rd in the Common Places feature class
	11/14/12 --11/15/12		Corrected naming and removed duplicate GIS entries
	11/14/12		Verified street ranges for all Common Places along Aloha Tower Dr. Corrected addresses from Ala Moana to Aloha Tower Dr for Aloha Tower, Hooters, Pier 9, Pier 8, Pier 7, Falls of Clyde and Pier 6 in the Common Places feature class.
	11/13/12		Removed excess character "l" from all entries in the PREM1_ZIPCODE field for the Landmark attributes in the Common Places feature class.
	11/09/12		Assigned ID numbers in the ID field in the Common Places feature class that appeared as "0" by manually inputting ID numbers starting from the last ID number created. Populated the PREM1_ID field respectively. Assigned Lakeview Intersect a new ID number.
	11/08/12		Reviewed duplicate entries in the ID, NAME, and ADDRESS fields in the Common Places feature class
11/06/12 -- 11/07/12		Populated PREM1_CLASS and PREM1_SUBCLASS fields in the Common Places feature class using the Class and Subclass spreadsheet.	

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Common Place Name (continued)	11/05/12		Populated PREM1_ZIPCODE field in the Common Places feature class
	11/02/12		Corrected address for Kamaaina Kids in Kalaeloa based on ALI discrepancy. Updates were made to both the Common Place Name (current system) and Landmarks (PremierOne).
	10/18/12		Made corrections to locations in the Airport and Mapunapuna communities
	10/17/12		Corrected Community Names to correspond with changes made to the Street Centerlines layer
	10/15/12		Made corrections to schema for the Motorola PremierOne CAD system and added a STATE field to the attributes
	10/11/12		Reviewed Community Names and made corrections to correspond with updates to the MSAG Communities Phase III effort
	09/28/12		Added XY coordinates to some Common Place Names
	09/14/12 -- 09/17/12		Corrected names and addresses per Honolulu error reports.
	09/10/12		Corrected names and addresses per Honolulu error reports. Added new records in the Kalaeloa Development area.
	08/02/12		Updated metadata
	07/31/12		Corrected spelling of Eggs N Things on Kalakaua
			Researched and verified several Common Place locations on Sand Island Access Road
			Added editor field and date field to track edits from the error log
07/30/12		Made edits per discussion with HPD AVS during 07/27/12 meeting	
07/23/12		Added a NEW_CITY field to the Common Place layer based on the new MSAG Communities project. The address points are not used in HPD's current CAD system. So this layer is being maintained and updated for the new PremierOne CAD.	

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Common Place Name (continued)	07/17/12		Added four (4) new Common Place locations based on HPD error log: OTS Wahiawa Transit, Keeaumoku Village, Kalapawai Café, and 7 Eleven Kalakaua.
	07/17/12		Added a "COMMENTS" field to the layer as agreed to with HPD during the 07/11/12 meeting. Akimeka will track edits performed to the layer as well the date of the edit.
	07/16/12 -- 07/19/12		Began edits in order to correct errors in the CAD. Most of the errors consist of address in the Common Place not matching the address in the Street Centerlines.
	07/09/12		Ran post-processing on GPS'ed Common Place locations and added to the layer
	07/05/12		Updated metadata
	07/02/12		Made edits based on error log provided by HPD
	06/29/12		Researched new Common Place Name locations and made additional edits to the layer
	06/25/12 -- 06/26/12		Edited Common Place Name layer based on error log submitted by HPD
Fire Districts	06/04/12		Adjusted boundary on ridgeline in Waimanalo to match with the Fire Beat boundary
	06/01/12		Edited coastline to match other layers
Fire Response Areas	12/19/12		Continued correcting gaps and overlaps
	12/17/12		Re-ran topology and continued correcting numerous gaps and overlaps in order to prepare for the TriTech upgrade and ESZ/ESN project
	12/10/12 -- 12/12/12		Corrected gaps and overlaps in the feature class in order to prepare for the TriTech upgrade and ESZ/ESN project

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Net_Junctions	12/12/12		Completed editing 21,041 Net_Junctions attributes to include the MSAG Community updates made to the Street Centerlines layer in the November 30, 2012 GIS data delivered to HPD
	12/11/12		Began correcting the Net_Junctions in HPD's Aloha geodatabase to correspond with changes made to the MSAG Communities in the Street Centerlines layer in the November 30, 2012 GIS data delivered to HPD
	11/09/12		Delivered the Net_Junctions with the updated intersections to the Akimeka ftp site for HPD AVS to retrieve and upload to their Test CAD.
	11/08/12		Added 26,836 updated CITY attributes manually for Net_Intersections which are created during the geoprocessing of streets where the routing network is built in HPD's Aloha geodatabase. Edits to the intersections mirror the updates made to the Street Centerlines layer and the MSAG Community and Street Segment Sweep project in order to synchronize the data accordingly.
	10/12/12		Updated 21,034 CITY attributes manually for Net_Junctions in HPD's Aloha geodatabase.
Points of Interest	08/02/12 -- 08/08/12		Updated Class and Subclass categories. This is an ongoing project.
	07/03/12 -- 07/31/12		Updated Class and Subclass categories. This is an ongoing project.
	06/05/12 -- 06/29/12		Updated Class and Subclass categories
	06/05/12		Edited fields in order to standardize POI layers across all State of Hawaii PSAPs

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines	12/28/12		Performed corrections to gaps in segment ranges in Pearl City. Identified street segments that require splitting at the beat boundaries. Some will be pending the potential police beat correction process which will be reviewed with HPD PMT
	12/19/12		Corrected flipped street segment errors in Kapolei
	12/12/12 -- 12/14/12		Spatially corrected 228 streets in the Waimanalo community
	12/11/12		Began the spatial correction of Street Centerlines to the center of road as agreed to by HPD PMT on November 23, 2012. Spatially corrected seventy-six (76) streets in the Waimanalo community
	12/10/12		Corrected fourteen (14) gaps on California Ave in Wahiawa
			Split Renton Rd at police boundary between Kapolei and Ewa Beach. Corrected ranges for four (4) segments of Renton Rd to cover eleven (11) TNs
	12/06/12		Corrected spatial accuracy for Wasp St
			Deleted Tarawa St and Shangrila St to Street Centerlines in order to correct a geocoding error for Elan Sports buildings and surrounding address points
	11/30/12		Added street ranges for a Kapolei Pkwy segment in order to correct geocoding error for Foodland in the Common Places. Error was identified on the TCAD error report.
	11/29/12		Added all Military ESNs to the Street Centerlines attributes
	11/26/12		Added ESN field to attributes
	11/23/12		At the request of the HFD CAD Administrator, corrected the street type code for a section of Kam Hwy which was coded as a hwy and displaying incorrectly on the CAD
11/20/12 -- 11/23/12		Added segment ranges to blank to blank addresses with valid MSAG ranges	

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines (continued)	11/19/12		Added segment ranges to blank to blank addresses for Constellation Rd in the MSAG Community of Kalaeloa with valid MSAG ranges
			Corrected parity issue on Kam Hwy in the MSAG Community of Haleiwa
			Corrected street segment ranges in the MSAG Community of Moanalua V
	11/16/12		Corrected MSAG Community Names in the MSAG Community of Kapolei as part of Phase III
	11/15/12		Added segment ranges for Philippine Sea St in the MSAG Community of Kalaeloa
			Added segment ranges for Mission St and Monterey St in the MSAG Community of Kapolei
			Added street segment ranges for Kasaan Bay St in the MSAG Community of Kapolei
			Corrected gaps and street segment ranges to match the MSAG
	11/14/12		Corrected street segment in MSAG Community of Kaneohe with an address outside of the street range, which required an overlap correction.
			Corrected street segment gaps in MSAG Community of Kapolei
			Added segment ranges for South Dr in the MSAG Community of Hale Moku
	11/13/12		Added segment ranges to blank to blank addresses in the MSAG Community of Kalaeloa with valid MSAG ranges
			Added street ranges to Plantation Dr in the MSAG Community of Hale Moku. Corrected range for Peterson Ct in the MSAG Community of Halsey T.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines (continued)	11/09/12		Worked on Low > High errors identified in the Street Check Utility
	10/30/12		Spatially corrected Arizona Rd in Radford T, Halsey T, and Catlin Pk
	10/29/12		Split Fort Barrette Rd at Police Beat and MSAG Community boundary and re-numbered Akimeka ID starting at 500000
			Removed duplicate ExternalStreetIDs from the attributes and corrected the Feature Type Codes for Kunia Rd
	10/24/12		Spatially corrected Radford Dr to center of the road and aligned with the MSAG Community and Police Sub Beat Boundary
			Added ranges to blank-to-blank street segments in the Kalaeloa Community
			Split McGrew Loop at MSAG Community boundary
			Corrected ranges on Smith Cir
	10/22/12		Made splits on Radford Dr at the Police Beat Boundary
	10/22/12		Corrected Renton Rd Rd and gaps on Aolele St and Koapaka St
	10/18/12 -- 10/19/12		Corrected gaps in the Mapunapuna and Waipahu community
	10/16/12		Added new developments in the Street Centerlines
			Made corrections to ranges and MSAG Community Names in Hale Moku and Hokulani area
			Split Geiger Rd at Police Beat Boundary
	10/15/12		Added street segments and ranges for Little Dr in Wahiawa
			Made corrections to 26,830 ONE WAY attributes for the Motorola PremierOne system
			Split street segment at police boundary for Kaukonahua Rd between Wahiawa and Waialua. Corrected Akimeka ID numbers starting at 500000.
			Corrected ranges for Kalie Pl
			Corrected twenty-one (21) gaps on Kilani Ave in Wahiawa
	10/11/12		Made corrections to MSAG Community Names in Wahiawa
			Updated MSAG Community attributes in Mililani and Wahiawa
			Calculated TIMESECS for EMS street segments
			Calculated COST attributes for Motorola PremierOne

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN				
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks	
	Date Created/Edits Performed			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Street Centerlines (continued)	10/10/12		Re-formatted schema for HPD's Motorola PremierOne streets based on requirements not previously submitted and requested by Motorola to Akimeka	
			Made updates to MSAG Community Names in Mililani and Wahiawa	
	10/09/12		Investigated ANI/ALI discrepancy from HFD about Gillespie Ln. Worked with MSAG Coordinator and verified that a change was warranted. Made GIS correction and notified HFD that the correction will be reflected in the next upload.	
	10/04/12			Populated address error override for valid overlaps identified during QA/QC process
				Added Fire Battalions to Street attributes for new segments
				Ran QA/QC checks on Street attributes to identify any further gaps, overlaps, parity and flip errors
				Corrected remaining overlaps in street segment ranges.
	10/03/12		Corrected overlaps and identified valid overlaps. Made corrections to MSAG Communities on PPVs.	
	10/02/12		Continued correcting gaps and overlaps and correcting MSAG Community for Motorola PremierOne streets	
	10/01/12			Made segment cuts at Police Beat and new MSAG Community boundaries
				Added twenty-seven (27) new segments based on the street update from DPP
				Corrected overlaps and identified 132 valid overlaps -- self-intersecting loops
				Modified MSAG Community in Radford T and made correction to left and right community for Hokulani
			Updated Motorola PremierOne CAD streets to include new MSAG communities for testing on October 10 -13, 2012.	
	09/28/12		Corrected Street Class codes for private drives to correspond with the speed limit	
09/28/12		Corrected thirty-nine (39) overlapping address ranges and verified thirty-four (34) overlap errors as valid overlaps because they are self intersecting loops		

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines (continued)	09/27/12		Corrected thirty-three (33) overlapping address ranges identified by the Street Check Utility. <u>Note:</u> Identified a significant number of valid overlapping street segments which were identified by the utility as an error. These are valid because they are self intersecting loops. The "Comments" field was updated to reflect if valid and the address error override will be used to correct misidentified errors.
	09/26/12		Added three (3) new fields to the attributes in order to replace the current "Comments" field as previously proposed by Akimeka during the June 28, 2012 meeting and declined by HPD AVS. The new fields include: "Comments", "Editor", and "Date". The previous "Comments" field contained all three in one field and at times was exceeding the character limitation. This change was agreed to during the September 25, 2012 meeting.
	09/26/12		Edited street address ranges on PPVs
	09/25/12		Performed verifications on Anderson Ave, Arizona Rd, and Ibis Ave as part of the Phase III effort
	09/25/12		Edited MSAG Community Names in the Airport community
	09/24/12		Corrected streets to new MSAG Community Names in Halsey T and Miller PK as part of the Phase III effort
	09/24/12		Corrected street segments with duplicate IDs so that the TriTech CAD can use the ExternalID field as the "KEY" in Destination Columns and run the Update Difference Table. All duplicate segments were changed to begin with 500,000 in order to leave space for future development and updates by DPP GIS. Segments that begin with 200,000 are Military streets.
	09/20/12		Corrected Community Names in Halekulani, Moanalua, Moanalua T, and Catlin PK as part of the Phase III effort
	09/17/12		Populated SPEED and ONE WAY codes for routing purposes.
	09/11/12 -- 09/17/12		Corrected Community Names in Iroquois, Kalaeloa, Kapolei, and Hale Moku. Corrected ranges in Kalaeloa and Kapolei. This is all a part of the Phase III effort.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines (continued)	09/10/12		Corrected Community Names from Puuloa to Iroquois to reflect new MSAG Communities as part of the Phase III effort
	09/07/12		Fixed gaps in ranges on Kam Hwy and Kaneohe Bay Drive. Updated thirteen (13) ranges in Mililani. Corrected Community Names as part of the Phase III effort.
	09/05/12		Populated routing data for AVL
	09/04/12 -- 09/05/12		Identified and merged 197 ingress and egress street segments from HFD and EMS Street Centerlines layers to carry over to the Master Street Centerlines and snapped segments to intersections
	09/04/12		Continued to build the Master Street Centerline layer. Added fields for TriTech CAD requirements for both HFD and EMS.
	08/28/12		Verified correct spelling for Kai Moana St and updated GIS accordingly
	08/27/12 -- 08/29/12		Worked on identifying the correct MSAG Community name for jurisdictional issues
	08/27/12		Verified seventeen (17) addresses and updated GIS accordingly
	08/23/12		Made edits to street segments at the Haleiwa/Waialua border to synchronize with the MSAG
			Edited Street Centerlines to correct ranges and community names in Haleiwa
	08/22/12		Updated Kailua/Kaneohe community names to synchronize with the MSAG
	08/20/12		Updated community name for Kam Hwy street segments at the Kaaawa/Kaneohe border and the Kaaawa/Hauula border
	08/17/12		Worked on street ranges and updated community names for street segments in Kunia
	08/16/12		Corrected streets that bordered Kailua and Kaneohe
08/16/12		Removed hyphen from EAST WEST RD	

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines (continued)	08/15/12		Corrected all loop suffix errors to correct postal abbreviation -- LP to Loop
			Added parsed fields for street names -- PREDIR, STREET_NAME, TYPE and POSTDIR
	08/13/12		Reviewed the comments field to ensure consistency with Akimeka's edits to the Street Centerlines
	08/08/12 -- 08/09/12		Reviewed correction made to the Street Centerlines in Waimanalo and Kailua
	07/02/12 -- 07/31/12		Updated E9-1-1 Street Centerlines. This is an ongoing project.
	06/04/12 -- 06/26/12		Updated E9-1-1 Street Centerlines. This is an ongoing project.
WSP Cell Towers	12/19/12		Per AT&T Mobility CRS
			Per VZW CRS
	12/18/12		Per T-Mobile CRS
	12/12/12		Per T-Mobile CRS
			Per AT&T Mobility CRS
	11/21/12		Per VZW CRS
			Per AT&T Mobility CRS
	11/05/12 -- 11/14/12		Per AT&T Mobility CRS
	11/01/12		Updated valid addresses for: AT&T Mobility, Sprint, Nextel, and Mobi PCS
	10/29/12		Per AT&T Mobility CRS
10/22/12 -- 10/26/12		Added MSAG validated addresses for all AT&T sites. This is an ongoing project.	
10/15/12		Per VZW CRS	
		Per AT&T Mobility CRS	

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
WSP Cell Towers (continued)	10/12/12		Added PSAP routing destinations for AT&T sites. This is an ongoing project.
	10/11/12		Per Sprint CRS
	10/10/12		Verified and added communities for all AT&T sites
	10/05/12		Per AT&T Mobility CRS
	10/02/12 -- 10/03/12		Per VZW CRS
	10/01/12		Per T-Mobile CRS
	09/26/12 -- 09/28/12		Per AT&T Mobility CRS
	09/18/12 -- 09/19/12		Added PSAP routing destinations on all Sprint sites
	09/18/12 -- 09/19/12		Per T-Mobile CRS
	09/17/12		Updated Communities for all Sprint sites
	09/14/12 -- 09/17/12		Updated Communities and PSAP routing destinations for all Nextel sites
	09/14/12		Per Mobi PCS CRS
	09/12/12		Added sites for Nextel
	09/10/12		Adds sites for Sprint
	09/06/12		Added valid MSAG addresses to the Mobi PCS sites
	08/31/12		Per AT&T Mobility CRS
	08/27/12		Validated and added towers for VZW against their complete CRS inventory
	08/14/12		Per AT&T Mobility CRS
	08/10/12 -- 08/13/12		Per VZW CRS
	08/10/12		Updated community to existing sites for AT&T Mobility
08/09/12		Added temporary COW for AT&T Mobility	
08/02/12		Validated all communities for AT&T Mobility	
08/01/12		Validated all existing tower sites against T-Mobile's master CRS	

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

**Mapping Layers Updated -- Calendar Year Summary 2012
(Includes December 2012 Activity) (continued)**

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

OAHU CIVILIAN			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
WSP Cell Towers (continued)	07/26/12		Per VZW CRS
	07/23/12 -- 07/31/12		Validated existing tower sites with new master CRS from T-Mobile against Lat/Long, Community and Street Address. This is an ongoing project.
	07/23/12		Per AT&T Mobility CRS
	07/16/12		Verified and updated all Verizon Wireless tower sites with communities.
	07/06/12 -- 07/20/12		Validated communities on all tower sites for AT&T Mobility, This is an ongoing project.
	06/29/12		Per T-Mobile CRS
			Per Mobi PCS CRS
	06/22/12		Added cell sectors for AT&T Mobility. This is an ongoing project.
	06/20/12		Added sectors and prepared layer for Mobi PCS testing
	06/07/12 -- 06/08/12		Added cell sectors to tower sites for Mobi PCS
	06/06/12		Plotted all cell tower sites for Mobi PCS
SPECIAL REQUESTS			
Tow Jurisdictions	11/01/12		Completed the new Tow boundary layer for HPD. Received confirmation with naming to TW01 which does not conflict with TZ01 if ever the tow contractor is changed back to the original.
	10/16/12		Created at the request of HPD due to changes with coverage

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

Current Month GIS Activities – December 2012

- 12/06/12 The DOT Halawa Field Office in the Master Common Places feature class needs further assessment for correcting the geocoding error.
- 12/11/12 Akimeka documented a process for correcting the Net_Junctions in the Aloha geodatabase. This process will be in place until the HPD Motorola PremierOne CAD system transition targeted for in July 2013. With the Motorola PremierOne CAD, the current additional step will no longer be required.
- 12/12/12 Akimeka performed an analysis of the Street Centerlines data that EMS has in their Production CAD as compared to the Training CAD to identify issues with EMS' TriTech difference tables. It was discovered that the EMS CAD had been configured to accept HFD's data and the response area attributes from the fire data are causing issues in the EMS TriTech CAD system. TriTech is working with EMS to re-configure fields in the table and will let Akimeka know what schema will be used going forward so Akimeka can update these changes to the single source GIS dataset for Oahu.
- 12/14/12 Akimeka reviewed the Street Check Utility report from HPD and identified that there was a decrease of 261 errors in the Street Centerlines data between the November 2, 2012 and November 30, 2012 reports.
- 12/18/12 Akimeka provided HPD PMT with an Excel document which contained samples of corrections from past deliverables in order to assist HPD PMT in verifying which dataset is live in production.
- 12/19/12 Akimeka met with HPD PMT to identify the data that is in live production and review some errors on the GIS Corrections report. The TCAD error report was also reviewed to provide examples of errors that have been in existence and are not scheduled to be corrected. The Military corrections require a more intensive research process since much of the data resources are limited and have missing information.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

GIS Data Requirements for TriTech CAD Systems

Akimeka continued its work efforts in support of HFD and EMS' TriTech CAD project as follows:

GIS Cleanup

1. TriTech requested Akimeka to cleanup existing data that is spatially joined to the street layer. Chuck Alexander from TriTech asked HFD to map a grid in the existing CAD but HFD does not have a grid.
2. TriTech would like all polygons as shapefiles or as a geodatabase in the same projection so that the data will draw faster in the map display without distortion.
3. The key requirement for the new TriTech CAD is the external street key. The external street key is used within the CAD to detect changes when updated GIS Street data is inputted. The CAD compares the external street key to identify adds, deletes, and modifies, and then produces a delta table for the records that have been changed and what has not.
 - a. For routing, the Street ID tells the route where to start for ingress and egress.
4. Once community boundaries have been split in the Street Centerlines layer as part of Akimeka's MSAG Community and Street Segment Sweep Phased Approach, these boundaries will remain so that Akimeka does not have to continue splitting segments.
5. TriTech requires HFD to lock in their responses areas at the block level. Once these are completed, Akimeka can split segments at the necessary boundaries for HPD, HFD and EMS and begin creating the ESZ/ESNs.

MSAG Community Codes

1. TriTech needs the translation table for community codes from Akimeka to build into the CAD.
 - a. TriTech suggested that Akimeka should keep codes that are already established, but that Akimeka will need to add new codes to communities that did not previously exist. Once a community code is assigned, it will be assigned for the life of the project.
 - b. Akimeka suggested starting the community code over from scratch and then going from there to eliminate duplicate codes or errors with updating the table continuously.
2. The new agreed to MSAG community names by HPD, HFD, EMS and the military will be reflected in all Akimeka layers in the new CAD upgrades for both the Motorola PremierOne and TriTech CADs. CAD Administrators will need to input codes by community not by zip codes or county for the TriTech CAD. Zip codes are not reflective of communities for 9-1-1 routing and response purposes. Also, there is only one county on Oahu, the City and County of Honolulu and not 98 different counties.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

GIS Data Requirements for TriTech CAD Systems (continued)

MSAG Community Codes (continued)

3. The following were agreed to action items:
 - a. HFD will work with Akimeka to lock-in response areas by block as soon as possible so that Akimeka can clean up the streets layer and create ESZs/ESNs. Akimeka will clean up and review splinters, gaps, and overlaps in the existing response areas.
 - b. Akimeka will provide a tabular list of the new city codes with their associated community names.
 - 1) City codes have a 10-character field limitation that can include text, numeric, etc. Do not re-use numbers. No white spaces.
 - 2) TriTech concurred and provided Akimeka with approval to start the community codes at 200 and assurance that it will not affect the HFD system negatively.

Business Procedures and Data Transfer to/from DPP and Akimeka

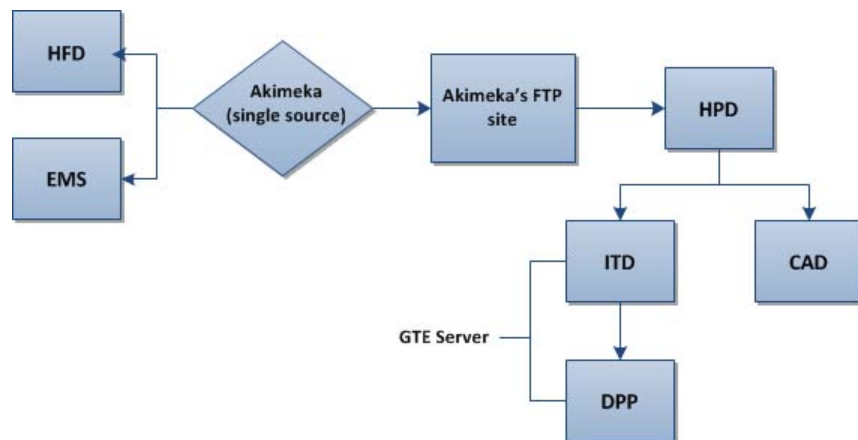
At the request of DPP, a follow-up meeting was held on December 3, 2012 among HPD PMT, ITD, DPP, and Akimeka to discuss, understand, and establish business processes for updating and maintaining GIS data, including the transfer of data between Akimeka and DPP.

1. Briefly reviewed Akimeka's GIS data correction process and the differentiation between GIS data for 9-1-1 purposes versus GIS data for Planning and Permitting purposes. Akimeka mentioned that it was important to realize that the data being given to Akimeka from DPP is used if it is helpful to 9-1-1, mostly in the form of new developments.
2. To date, new Streets are only added based on data that DPP, as the County Addressing Authority, has provided Akimeka on new developments. New streets are added based on what is provided by the County Addressing Authority and may be split by Akimeka when necessary for 9-1-1 response purposes. In the future, with HPD's approval, Akimeka will use pseudo streets to address farm roads, private roads, and other roads, that are not recognized as official County approved streets.
3. Prior to the Akimeka contract, HPD did not have ingress and egress, so Akimeka added them to the single source dataset being established for HPD, HFD, and EMS.

Oahu Civilian E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Geographic Information System (GIS) (continued)**

4. Discussed the necessary steps in order for Akimeka to receive updated GIS data to be used in the 9-1-1 systems from DPP and how DPP can use Akimeka corrections in their datasets. DPP suggested that they could set up an ftp site on a server so that DPP can receive and review data straight from Akimeka and not through HPD.
 - a. It was reiterated that the data Akimeka is correcting and maintaining is strictly for 9-1-1 purposes only and not for real property tax or other county purposes. The work effort performed by Akimeka is funded by the State of Hawai'i E9-1-1 Board for 9-1-1 purposes.
 - b. If HPD, as the primary PSAP, agrees to share the 9-1-1 Public Safety dataset with DPP, it will be at HPD's discretion. If provided to DPP, it does not give DPP ownership to the data, meaning it cannot be used for other agencies and/or distributed to outside sources without prior approval from HPD.
5. Patrick Chau from ITD recommended that a process should be established among the City and County of Honolulu departments with regards to the sharing of any data.
 - a. Akimeka should continue to provide the bi-monthly GIS updates to HPD in accordance with current established processes and agreements.
 - b. If it is agreed that the data can be shared with DPP, the process can be worked out internally among HPD, ITD, and DPP.
 - c. This should not directly involve Akimeka.
6. Patrick Chau suggested setting up another ftp process where HPD can use this site to upload the Akimeka data received on the bi-monthly schedule and DPP can access it with a password and then delete the file off of the common area, the GTE server.



7. It was agreed that ITD will work with HPD and DPP to discuss and establish their internal processes for the transfer of data, if approved by HPD PMT.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- PSAP Operations**

9-1-1 Call Volume – December 2012

PSAP	Total	Wireline	%	Wireless	%
MAUI (*)	7,349	2,448	33.3%	4,900	66.7%
MOLOKAI	333	200	60.1%	133	39.9%

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

9-1-1 Call Volume – Calendar Year 2012

MAUI PSAP		TOTAL PSAP 9-1-1 CALL VOLUME						Abandoned	
		Wireline		Wireless		Admin			
2012	Total	# of Calls	%to Total Wireline & Wireless	# of Calls	%to Total Wireline & Wireless	# of Calls	%to Total Calls	# of Calls	% Abandoned of Total
December	7,349	2,448	33.3%	4,900	66.7%	1	0.0%	1,120	15.2%
November	5,275	1,711	32.4%	3,564	67.6%	0	0.0%	802	15.2%
October	8,333	2,652	31.8%	5,680	68.2%	1	0.0%	1,354	16.2%
September	8,064	2,476	30.7%	5,588	69.3%	0	0.0%	1,282	15.9%
August	8,136	2,693	33.1%	5,441	66.9%	2	0.0%	1,229	15.1%
July	8,894	2,773	31.2%	6,119	68.8%	2	0.0%	1,383	15.5%
June	8,015	2,655	33.1%	5,360	66.9%	0	0.0%	1,280	16.0%
May	8,762	2,880	32.9%	5,882	67.1%	0	0.0%	1,857	21.2%
April	8,322	2,751	33.1%	5,571	66.9%	0	0.0%	1,336	16.1%
March	8,277	2,771	33.5%	5,506	66.5%	0	0.0%	1,250	15.1%
February	7,767	2,551	32.8%	5,216	67.2%	0	0.0%	1,243	16.0%
January	8,465	2,716	32.1%	5,749	67.9%	0	0.0%	1,404	16.6%
TOTAL YTD	95,659	31,077	32.5%	64,576	67.5%	6	0.0%	15,540	16.2%
AVG PER MO	7,972	2,590		5,381		1		1,295	

Note: Total Calls include Administrative calls that are not direct 9-1-1 calls.

Corrected PSAP Call Volumes for the months of September 2012 and October 2012 were provided by Hawaiian Telcom, Inc. (HTI) and reflected in the chart above.

For the month of December 2012, the Maui PSAP relocated to their alternate site through December 2012 (December 1 – 3, 2012) and the call volumes for that period are not reflected in the total for the month.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **PSAP Operations (continued)**

9-1-1 Call Volume – Calendar Year 2012 (continued)

MOLOKAI PSAP		TOTAL PSAP 9-1-1 CALL VOLUME						Abandoned	
		Wireline		Wireless		Admin			
2012	Total	# of Calls	% to Total Wireline & Wireless	# of Calls	% to Total Wireline & Wireless	# of Calls	% to Total Calls	# of Calls	% Abandoned of Total
December	333	200	60.1%	133	39.9%	0	0.0%	40	12.0%
November	263	162	61.6%	101	38.4%	0	0.0%	41	15.6%
October	289	181	62.6%	108	37.4%	0	0.0%	29	10.0%
September	359	214	59.6%	145	40.4%	0	0.0%	56	15.6%
August	272	145	53.3%	127	46.7%	0	0.0%	32	11.8%
July	324	182	56.2%	142	43.8%	0	0.0%	54	16.7%
June	268	151	56.3%	117	43.7%	0	0.0%	41	15.3%
May	291	190	65.3%	101	34.7%	0	0.0%	40	13.7%
April	201	118	58.7%	83	41.3%	0	0.0%	30	14.9%
March	286	164	57.3%	122	42.7%	0	0.0%	47	16.4%
February	285	191	67.0%	94	33.0%	0	0.0%	38	13.3%
January	390	211	54.1%	179	45.9%	0	0.0%	59	15.1%
TOTAL YTD	3,561	2,109	59.2%	1,452	40.8%	0	0.0%	507	14.2%
AVG PER MO	297	176		121		0		42	

Note: Total Calls include Administrative calls that are not direct 9-1-1 calls.

Corrected PSAP Call Volumes for the months of September 2012 and October 2012 were provided by Hawaiian Telcom, Inc. (HTI) and reflected in the chart above.

Notes:

- (1) Total call volumes include Administrative calls. (Administrative calls = Calls made between 911 positions but are not 911 calls.)
- (2) "Abandoned" calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered.
- (3) "Abandoned" calls are included in the "Wireline" and "Wireless" counts respectively. The standard CML reports do not provide a break-out of "Abandoned" calls between "Wireline" and "Wireless" calls.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **PSAP Operations (continued)**

9-1-1 Call Volume – Year Over Year (Y/Y) Comparison -- 2012 vs. 2011

MAUI PSAP	PSAP 9-1-1 CALL VOLUME						
	TOTAL	WIRELINE		WIRELESS		ADMIN	ABANDONED
		# of Calls	%to Total Wireline & Wireless	# of Calls	%to Total Wireline & Wireless	# of Calls	# of Calls
2008	100,430	39,620	41.5%	55,855	58.5%	17	15,903
2009	94,899	34,584	36.4%	60,305	63.6%	10	15,700
Y/Y Change	(5,531)	(5,036)		4,450		(7)	(203)
% Change	-5.5%	-12.7%		8.0%		-41.2%	-1.3%
2009	94,899	34,584	36.4%	60,305	63.6%	10	15,700
2010	97,861	32,965	33.7%	64,886	66.3%	10	16,711
Y/Y Change	2,962	(1,619)		4,581		0	1,011
% Change	3.1%	-4.7%		7.6%		0.0%	6.4%
2010	97,861	32,965	33.7%	64,886	66.3%	10	16,711
2011	96,260	32,207	33.5%	63,993	66.5%	60	15,972
Y/Y Change	(1,601)	(758)		(893)		50	(739)
% Change	-1.6%	-2.3%		-1.4%		500.0%	-4.4%
2011	96,260	32,207	33.5%	63,993	66.5%	60	15,972
2012	95,659	31,077	32.5%	64,576	67.5%	6	15,540
Y/Y Change	(601)	(1,130)		583		(54)	(432)
% Change	-0.6%	-3.5%		0.9%		-90.0%	-2.7%

Total PSAP 9-1-1 Call Volumes decreased by 0.6% in 2012 from 2011. Keep in mind that PSAP Call Volumes were understated in 2012 due to the relocation to the Alternate Dispatch Center in November 2012 and December 2012.

Wireline calls further declined by 3.5% and offset by an increase in Wireless calls by 0.9%. There was a slight shift toward more Wireless calls than Wireline calls.

Total Administrative calls decreased by 90.0% in 2012 from 2011. Total Abandoned calls decreased by 2.7% as compared to 2011.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **PSAP Operations (continued)**

9-1-1 Call Volume – Year Over Year (Y/Y) Comparison -- 2012 vs. 2011

MOLOKAI PSAP	PSAP 9-1-1 CALL VOLUME						
	TOTAL	WIRELINE		WIRELESS		ADMIN	ABANDONED
		# of Calls	%to Total Wireline & Wireless	# of Calls	%to Total Wireline & Wireless	# of Calls	# of Calls
2008	3,390	2,408	71.1%	977	28.9%	5	536
2009	3,616	2,477	68.6%	1,135	31.4%	4	595
Y/Y Change	226	69		158		(1)	59
% Change	6.7%	2.9%		16.2%		-20.0%	11.0%
2009	3,616	2,477	68.6%	1,135	31.4%	4	595
2010	3,214	1,913	59.6%	1,298	40.4%	3	521
Y/Y Change	(402)	(564)		163		(1)	(74)
% Change	-11.1%	-22.8%		14.4%		-25.0%	-12.4%
2010	3,214	1,913	59.6%	1,298	40.4%	3	521
2011	3,516	2,097	59.7%	1,417	40.3%	2	535
Y/Y Change	302	184		119		(1)	14
% Change	8.6%	8.8%		8.4%		-50.0%	2.6%
2011	3,516	2,097	59.7%	1,417	40.3%	2	535
2012	3,561	2,109	59.2%	1,452	40.8%	0	507
Y/Y Change	45	12		35		(2)	(28)
% Change	1.3%	0.6%		2.5%		-100.0%	-5.2%

Total PSAP 9-1-1 Call Volumes increased slightly by 1.3% in 2012 from 2011 -- with Wireline calls increasing by 0.6% and Wireless calls increasing by 2.5%. The percentage breakout between Wireline and Wireless calls remained relatively stable year-over-year.

Total Administrative calls decreased by 100.0% in 2012 from 2011.

Total Abandoned calls decreased by 5.2% in 2012 from 2011.

Wireless Test – December 2012

Date	WSP	Island	Sites Tested	Sectors Tested	Tested By	Test Pass/Fail
12/07/12	AT&T Mobility (connectivity test)	Maui	1	3	Maui PSAP/ Akimeka	Pass

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

Current Month PSAP Operations Activities – December 2012

- | | |
|-----------------------------|--|
| Weekly
(Every
Friday) | <p>Maui County, along with the other PSAPs and Akimeka, participated in the weekly conference calls (except the December 7, 2012 and December 21, 2012 conference calls which were cancelled) hosted by Hawaiian Telcom, Inc. (HTI) to review the Solacom conversion in the State of Hawai'i. There has been no significant progress or updates provided to date with regards to the Hawai'i County Solacom conversion. The focus of the conference call has shifted to the Intrado Viper solution and installation.</p> <p>HTI reported that on December 10, 2012, Solacom engineers, Marcel Rousseau and Marty Deleohardis uploaded the new Solacom upgrade at the County of Hawai'i PSAPs (Police and Fire). This upgrade was intended to address some of the troubles previously reported. The upgrade was successfully tested by the Solacom engineers.</p> <p>The focus of the conference call has shifted to the Intrado Viper solution and installation.</p> |
| 12/04/12 | <p>After completion of construction, Maui Dispatch returned to their main dispatch center from the alternate dispatch center.</p> |
| 12/07/12 | <p>All of the State of Hawai'i PSAPs received the FCC 317786A1 - Texting to 911 document. This document outlines texting to 9-1-1 on the Verizon, AT&T, Sprint and T-Mobile networks with APCO and NENA in 2014. This does not mean or infer that 9-1-1 texting will be available to all consumers in 2014; it will merely hasten the day when it becomes available.</p> <p>The agreement calls for all parties to work together to ensure a seamless introduction and implementation of texting to 9-1-1, with specific provisions to include:</p> <ol style="list-style-type: none"> 1. Text to 9-1-1 service capabilities will be deployed throughout the WSP's wireless network by May 15, 2014. 2. Bounce back notification will be sent to subscribers by June 30, 2013 when texting to 9-1-1 is available in their area. 3. Texting to 9-1-1 progress reports will be submitted quarterly by the WSPs to APCO and NENA. |
| 12/18/12 | <p>Akimeka updated the internal clock on all PSAP positions.</p> |

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• PSAP Operations (continued)

Current Month PSAP Operations Activities – December 2012 (continued)

- 12/19/12 The State of Hawai'i PSAPs monthly scheduled PSAP Round Table Forum via conference call was cancelled for the month of December 2012.
- 12/20/12 The State of Hawai'i PSAPs participated in a meeting or via webinar with Hawaiian Telcom, Inc. (HTI) and Intrado to continue discussions on the Intrado Viper cutover. A presentation was provided by Tina Metivier, the Intrado Customer Team Director, outlining the Intrado Viper Next Gen 9-1-1 Project Plan. Statewide implementation is projected for the 4th quarter of 2013. Intrado and HTI are striving to implement the Intrado solution to the County of Hawai'i PSAPs (Police and Fire) as early as possible in 2013.
- 12/24/12 At the request of Supervisor Susan Egdamin, driving instructions on a telephone number was updated via 9-1-1Net to avoid confusion.

Open Issues (To be Monitored and Tracked by Akimeka)

Updates as of December 31, 2012 are noted below:

- 04/16/10 Akimeka personnel worked on a flowchart for the Neighbor Island PSAPs to document the flow of a Call Routing Spreadsheet (CRS) and Testing Validation Worksheet (TVW). It was discovered that different processes exist among the carriers.

Akimeka created and submitted for review a DRAFT Call Routing Sheet (CRS) and Testing Validation Worksheet (TVW) process flowchart to the Neighbor Island PSAPs on December 20, 2010.

Update (4/30/11) – Akimeka continued to work on the flowchart and incorporate the feedback received. An updated process flowchart is currently under review within Akimeka. Once approved, it will be shared with the Neighbor Island PSAPs.

Update (5/1/11 – 7/31/11) – In progress.

Update (8/31/11) – In progress. Personnel updates need to be incorporated.

Update (9/1/11 – 11/30/11) – No further updates.

Update (12/31/11) – In progress. NENA standards updates are being incorporated.

Update (1/31/12 – 12/31/12) – No further updates.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **MSAG**

Current Month – December 2012

2012		9-1-1NET REQUESTS									In Suspended Status as of Report Month End (c)	
		MSAG TRANSACTIONS							ALI TRANSACTIONS			
PSAP	TOTAL	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected	County Address Change Request (TN CR) Submitted (a)	ALI Discrepancy (ALI-DR) Submitted (b)	# of Transactions	TNs Affected
MAUI COUNTY	16	16	6	0	0	9	1	68	0	0	0	0

Revised categories and report format changes effective May 2012.

During the month of December 2012, sixteen (16) 9-1-1Net requests were completed relating to the Maui County MSAG database, with 63 customer ANI/ALI records updated as a direct result. No TN CR and ALI-DR transactions were submitted to 9-1-1Net for updates and corrections. See attached spreadsheet for a detailed description of changes and additions.

There are no records in Suspended status as of December 31, 2012.

Year-to-Date (YTD) – 2012

MAUI COUNTY		9-1-1NET REQUESTS									In Suspended Status as of Report Month End (c)	
		MSAG TRANSACTIONS							ALI TRANSACTIONS			
2012	TOTAL	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected (*)	County Address Change Request (TN CR) Submitted (a)	ALI Discrepancy Request (ALI-DR) Submitted (b)	# of Transactions	TNs Affected
December	16	16	6	0	0	9	1	68	0	0	0	0
November	29	29	16	3	0	3	7	1,105	0	0	0	0
October	41	34	13	4	1	10	6	3,302	6	1	0	0
September	68	53	19	1	6	25	2	284	14	1	0	0
August	198	107	52	10	20	19	6	2,994	91	0	13	13
July	306	93	41	9	11	16	16	814	213	0	13	13
June	684	144	89	12	4	29	10	1,817	539	1	9	9
May	1,043	992	902	20	29	14	27	26,718	50	1	7	7
April	695	495	434	16	15	24	6	12,707		200	7	7
March	359	342	320	7	1	11	3	8,948		17	10	10
February	160	160	137	3	4	6	10	2,834		0	10	10
January	131	131	108	1	3	19	0	4,007		0	10	10
TOTAL YTD	3,730	2,596	2,137	86	94	185	94	65,598	913	221		
AVG PER MO	311	216	178	7	8	15	8	5,467	114	18		

(*) Applies to Change Request Category Only

Note: Revised categories and report format changes effective May 2012 with new Intrado TN CR functionality.

Definitions:	(a)	Represents address corrections on a specific TN or group of TNs.
	(b)	Represents ALI Discrepancies discovered during a 9-1-1 call. These record corrections are treated with a higher urgency.
	(c)	Represents what is in suspension status at the end of the report month -- awaiting further action by County, Telco, or Akimeka.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- Mapping Layers Updated/Loaded Into GIS

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Address Points	Molokai	12/24/12 -- 12/28/12		Added twenty-one (21) addresses from the DSA Address layer. This is an ongoing project.
	Maui	12/24/12 -- 12/27/12		Added one (1) addresses from DSA and eighteen (18) addresses from the DSA Address layer. Corrected three (3) addresses from the DSA Address layer. This is an ongoing project.
	Molokai	12/21/12		Added one (1) address from DSA and three (3) addresses from the DSA Address layer. This is an ongoing project.
	Maui			Corrected the street name for Holo Lea St, Kahului
	Maui	12/20/12		Added one (1) address received from DSA and added one (1) address requested by Maui Dispatch. Corrected data to meet Intergraph CAD requirements.
	Molokai	12/19/12		Added one (1) address from DSA and two (2) addresses from the KIVA Address layer. This is an ongoing project.
	Maui			Added six (6) addresses from DSA and four (4) addresses from the DSA Address layer. This is an ongoing project.
	Maui/Molokai		12/18/12	
	Maui	12/14/12		Added nineteen (19) addresses from DSA Address layer and KIVA NET. This is an ongoing project.
	Maui	12/13/12		Changed three (3) Common Names and Alias' requested by Maui Dispatch. Added one (1) address received from DSA.
	Maui	12/11/12		Corrected MSAG Community data
	Molokai	12/07/12 -- 12/13/12		Added one (1) address from DSA and thirty-three (33) addresses from the DSA Address layer. This is an ongoing project.
	Maui	12/04/12 -- 12/10/12		Added two (2) addresses from DSA and two (2) addresses from the DSA Address layer. Corrected sixteen (16) addresses from the DSA Address layer. This is an ongoing project.
	Maui/Molokai		12/04/12	
	Molokai	12/03/12		Added one (1) address from DSA
	Molokai	11/30/12		Added thirty-four (34) addresses from the DSA Address layer
	Maui	11/26/12 -- 11/29/12		
	Molokai	11/26/12 -- 11/29/12		Added two (2) addresses from DSA
	Maui	11/20/12		Corrected data to meet Intergraph CAD requirements
	Maui	11/15/12 -- 11/16/12		Added one (1) address from DSA and thirty-three (33) addresses from the DSA Address layer. This is an ongoing project.
Molokai			Added one (1) address from DSA, two (2) address from the DSA Address layer, and seven (7) addresses from the MSAG ALI report. This is an ongoing project.	
Maui/Molokai		11/14/12		
Molokai	11/14/12		Added six (6) addresses from DSA Address layer and three (3) addresses from the MSAG ALI report. This is an ongoing project.	

() Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.*

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Address Points (continued)	Maui	11/13/12		Added addresses
	Maui	11/09/12		Added seven (7) addresses from DSA Address layer and KIVA NET. This is an ongoing project.
	Maui	11/05/12		Added Common Names for restaurants
	Maui	11/02/12		Added two (2) addresses received from DSA
	Molokai			Added one (1) address received from DSA
	Maui	10/31/12		Added Common Names for Gas Stations and Lodging
	Maui	10/30/12		Added fourteen (14) addresses from DSA Address layer. This is an ongoing project.
	Maui	10/29/12		Added one (1) address from DSA and thirty-nine (39) addresses from the DSA Address layer. This is an ongoing project.
	Maui	10/26/12		Added eight (8) addresses from DSA Address layer. This is an ongoing project.
	Maui	10/25/12		Made corrections to data required for the Intergraph CAD. Added two (2) addresses from the DSA Address layer. This is an ongoing project.
	Maui/Molokai		10/24/12	
	Maui	10/24/12	10/24/12	Added data necessary for Intergraph CAD
	Molokai	10/19/12		Added one (1) address from DSA Address layer. This is an ongoing project.
	Maui	10/15/12 -- 10/22/12		Added 168 addresses from DSA Address layer. This is an ongoing project.
	Maui	10/12/12		Added twenty-eight (28) addresses from field work and DSA Address layer. This is an ongoing project.
	Maui/Molokai		10/10/12	
	Maui	10/09/12		Added addresses from field work and DSA Address layer. This is an ongoing project.
	Maui	10/03/12		Added addresses verified in the field
	Maui	09/28/12		Added forty-six (46) addresses from the KIVA addressing layer. This is an ongoing project.
	Maui/Molokai		09/26/12	
	Molokai	09/26/12		Added three (3) addresses from the KIVA addressing layer. This is an ongoing project.
	Maui	09/25/12		Added three (3) Points of Interest addresses at the request of Maui Dispatch. Also corrected a Common Name as reported on SR# 551.
	Molokai	09/20/12		Added one (1) address from DSA Address layer. This is an ongoing project.
Maui	09/14/12 -- 09/26/12		Added ten (10) addresses received from DSA and sixty-eight (68) addresses from the DSA Address layer. This is an ongoing project.	

(**) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.*

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Address Points (continued)	Maui/Molokai		09/13/12	
	Maui	09/12/12		Added four (4) addresses received from DSA and twelve (12) addresses from the DSA Address layer. This is an ongoing project. Also, changed nine (9) Common Names as requested by Maui Dispatch.
	Molokai	09/11/12		
	Maui	09/10/12 -- 09/11/12		Added an alias Common Name for the Kihei Police and Lahaina Police as requested by Maui Dispatch
	Maui	09/07/12		Added three (3) addresses received from DSA
	Maui	09/05/12		Added Common Name as requested by Maui Dispatch
	Maui	08/28/12 -- 08/30/12		Added two (2) addresses received from DSA and seven (7) addresses from the DSA Address layer. This is an ongoing project.
	Maui	08/23/12		Corrected Common Names for ABC Stores per Maui Dispatch
	Maui/Molokai		08/22/12	
	Molokai	08/21/12		Added one (1) address received from DSA
	Maui	08/21/12 -- 08/30/12		Added twenty-seven (27) addresses received from DSA and thirty-six (36) addresses from the DSA Address layer. This is an ongoing project.
	Maui	08/20/12		Added two (2) Common Names as requested by Maui Dispatch
	Molokai	08/16/12 -- 08/17/12		Added two (2) addresses from the DSA Address layer. This is an ongoing project.
	Molokai	08/15/12		Added one (1) address received from DSA
	Maui	08/14/12 -- 08/17/12		Added two (2) addresses received from DSA and twenty-six (26) addresses from the DSA Address layer. This is an ongoing project.
	Molokai	08/13/12		Added two (2) addresses received from DSA and four (4) addresses from the DSA Address layer
	Maui	08/10/12		Corrected a Common Name as requested by Maui Dispatch
	Maui	08/09/12		Added three (3) addresses received from DSA. Added a unit number to one address per Maui Dispatch's request.
	Maui/Molokai		08/08/12	
	Maui	08/08/12		Added one (1) address received from DSA and three (3) addresses from the DSA Address layer. This is an ongoing project.
	Molokai	08/08/12		Added four (4) addresses received from DSA
	Maui	08/02/12		Added seventeen (17) addresses per DSA Address layer. This is an ongoing project.
	Molokai	08/02/12		Added one (1) address received from DSA
	Maui/Molokai	08/01/12		Added two (2) addresses (Maui) and one (1) address point (Molokai) received from DSA

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Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Address Points (continued)	Maui/Molokai		07/25/12	
	Molokai	07/30/12		Added one (1) address per DSA and five (5) addresses per DSA Address layer
	Molokai	07/19/12		Added nine (9) addresses per DSA and six (6) addresses per DSA Address layer
	Molokai	07/16/12		Added two (2) addresses per DSA and two (2) addresses per DSA Address layer
	Molokai	07/13/12		Added two (2) addresses per DSA Address layer
	Maui	07/12/12 -- 07/30/12		Added addresses based on the compare and data from DSA.
	Maui/Molokai		07/11/12	
	Maui	07/11/12		Added four (4) addresses per DSA. Akimeka completed a compare between Akimeka and DSA's Address layer. This is an ongoing project.
	Maui	07/11/12		Added a Common Name as requested by the Maui PSAP
	Maui	07/06/12		Added one (1) address per DSA
	Maui	07/05/12		Added two (2) addresses per DSA
	Maui/Molokai	07/02/12		Spatially corrected address points. This is an ongoing project.
	Molokai	06/29/12		Added one (1) new address point per DSA
	Molokai		06/28/12	
	Maui	06/28/12		Added four (4) address points per DSA
	Maui	06/27/12	06/27/12	Deleted a duplicate entry for one common name to meet Intergraph CAD standards
	Maui	06/22/12		Added one (1) address per DSA and one (1) common name per the Maui PSAP
	Maui	06/22/12		Added one (1) new address point per DSA
	Molokai	06/20/12		Added one (1) address point per DSA
	Maui	06/20/12		Added two (2) addresses per DSA
	Maui/Molokai		06/13/12	
	Maui	06/13/12		Added twenty-seven (27) addresses using KivaNet. Added one (1) address per DSA.
	Maui	06/13/12		Added twenty-two (22) address points
	Maui	06/12/12		Added Makena State Park as an alias common name as requested by the Maui PSAP
	Molokai	06/12/12		Added twenty (20) address points
	Maui	06/11/12		Changed common names for ABC Stores as requested by the Maui PSAP
	Maui	06/08/12		Corrected address for Kahului Post Office
	Molokai	06/01/12 -- 06/06/12		Validated addresses and a total of eighteen (18) addresses were added on Lihi Pali Avenue, Hoolehua
	Maui	05/24/12		Made corrections to meet Intergraph requirements
	Maui	05/18/12		Assigned MSLINKs to meet Intergraph requirements
Maui	05/14/12		Added two (2) new address points per DSA and verified nine (9) addresses on Kapohue Road sent by DSA	

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Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Address Points (continued)	Maui	05/10/12		Added one (1) address points assigned by DSA
	Maui/Molokai		05/09/12	
	Maui	05/09/12		Added two (2) address points per DSA and spatially corrected the address points. This is an ongoing project.
	Maui	05/08/12		Added nine (9) new address points per DSA and five (5) new address points from KIVA
	Maui	05/07/12		Corrected FEA_MSLINK for three (3) address points to meet Intergraph CAD standards
	Molokai	05/07/12		Corrected thirty-five (35) address points and added one (1) address point at Kepuhi Place per DSA
	Maui	05/04/12		
	Maui	05/03/12		Corrected street name in Spreckelsville from Cane Road to Cane Place as confirmed by the County's street naming authority
	Maui	04/30/12		Added three (3) address points to Village Road, Kapalua that are in the MSAG and confirmed during a site visit
	Maui/Molokai		04/25/12	
	Maui	04/20/12		Added new address point per DSA and changed Intergraph attributes to match new Street Centerlines
	Maui	04/18/12		Moved address points to center of structure
	Maui	04/13/12		Added addresses per DSA
	Maui/Molokai	04/11/12	04/11/12	Added new address points assigned by DSA
	Maui	04/06/12 -- 04/17/12		Corrected errors from validation report
	Maui	04/06/12		Made corrections to meet Intergraph CAD standards
	Maui	04/05/12		Added new address points assigned by DSA
	Maui	03/28/12		Edited FEA_MSLINK to meet Intergraph requirements
	Molokai	03/27/12		Corrected address points per DSA. This is an ongoing project.
	Maui/Molokai		03/21/12	
	Maui	03/19/12 -- 03/20/12		Updated address point location per MSAG Validation Report
	Maui	03/15/12		Added new address per DSA
	Maui		03/07/12	
	Maui	03/01/12 -- 03/29/12		Corrected address points per DSA. This is an ongoing project.
	Molokai		02/28/12	
	Maui	02/28/12		
Maui		02/22/12		
Maui	02/21/12		Added (2) addresses and corrected (1) address per DSA	
Molokai	02/17/12		Added new address per DSA	
Maui	02/17/12		Added (5) addresses per DSA	

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Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Address Points (continued)	Maui	02/09/12		Added (2) addresses per DSA
	Maui/Molokai		02/08/12	
	Maui	02/06/12		
	Maui	02/02/12		Added (1) address per DSA
	Molokai	02/01/12		Corrected street name per County Surveyor
	Maui	02/01/12		
	Molokai	01/31/12		Added (1) address per DSA
	Maui	01/31/12		Added (3) addresses per DSA
	Maui	01/30/12		Added (4) new addresses per DSA
	Maui	01/26/12		
	Maui/Molokai		01/25/12	
	Molokai	01/25/12		
	Maui	01/23/12		Added/changed common names and added new addresses per Maui Dispatch
	Maui	01/17/12		Added common name per Dispatch request. Added (8) addresses per DSA.
	Molokai	01/17/12		Added (1) address per DSA
	Maui	01/12/12		
Maui/Molokai		01/11/12		
Maui	01/09/12		Added/changed six (6) common names per Molokai Dispatch	
Maui	01/04/12 -- 01/05/12			
Emergency Callboxes	Maui/Molokai		08/22/12	
Fire Beats				
Fire Districts				
Fire Response Areas	Maui	11/06/12		Updated and corrected data
Fire Stations	Maui/Molokai		08/22/12	
Major Roads	Maui		09/13/12	
	Maui/Molokai	09/13/12		Added highway number information
	Maui/Molokai		04/25/12	
	Maui	04/12/12		Corrected street names
MSAG Address Points (aka Pseudo Address Points)	Molokai	03/08/12		
	Maui		03/07/12	
	Maui	03/06/12		
	Molokai		02/10/12	
	Maui		02/08/12	
MSAG Communities (aka Towns)	Maui	01/25/12		
	Maui/Molokai	12/11/12		Corrected according to Street Centerlines
	Maui/Molokai	12/10/12		Corrected topology

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Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Medic Beats	Maui	11/06/12		Updated and corrected data
Medic Districts	Maui	11/07/12		
	Maui	11/06/12		Updated and corrected data
Medic Response Areas				
Medic Stations	Maui/Molokai		09/13/12	
Milepost Markers	Maui/Molokai		09/13/12	
	Maui/Molokai		05/09/12	
	Maui	04/27/12		Edited milepost markers along Kula Highway using GPS data collected on 4/12/12
	Maui/Molokai		04/25/12	
	Maui	04/12/12		Corrected addresses
Points of Interest	Maui/Molokai		11/14/12	
	Maui	11/08/12		Removed duplicates
	Maui	11/05/12		Added thirty (30) Food & Beverage points
	Maui	11/02/12		Edited restaurant names
	Maui	10/31/12		Added four (4) Lodging and six (6) Gas Stations
	Maui/Molokai		10/10/12	
	Maui	10/09/12		Corrected park name
	Maui/Molokai		09/26/12	
	Maui	09/25/12		Corrected one (1) restaurant name, modified a restaurant name to include the location, and added a restaurant
	Maui	09/14/12		Corrected and validated data
	Maui/Molokai		08/22/12	
	Maui	08/20/12		Added a Common Name as requested by Maui Dispatch
	Maui/Molokai		08/08/12	
	Maui	08/03/12		Added Correctional Facilities
	Maui	08/02/12		Validated data
	Maui	07/30/12		Added address information for Kalama Park
	Maui/Molokai		07/25/12	
	Maui	07/17/12		Added The Old Wailuku Inn at Ulupono
	Maui	07/16/12		Added Mantokuji Soto Mission of Paia and corrected the spelling for Palapala Church
	Maui/Molokai		07/11/12	
Molokai	06/29/12		Added Hoolehua Congregational Church	
Maui		06/13/12		
Maui	06/11/12		Corrected a feature name and deleted a duplicate subdivision entry	
Maui	06/08/12		Corrected location and street type of Hana Post Office	
Maui	06/04/12		Edited fields in order to standardize POI layers across all PSAPs in the State of Hawaii	

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Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Points of Interest (continued)	Maui	05/17/12		Added Napili Park
	Maui/Molokai		05/09/12	
	Maui	05/07/12		
	Maui/Molokai		04/11/12	
	Maui/Molokai	04/02/12		Edited location and spelled out abbreviations for Government Building points
	Maui/Molokai		03/21/12	
	Maui	03/13/12		Updated Sub-classification Type
	Maui	03/09/12		Added Harbors
	Maui		03/07/12	
	Maui	03/02/12		
	Maui	03/01/12		Added Government Buildings
	Molokai	02/28/12	02/28/12	
	Maui	02/28/12		Added Government Buildings
	Maui		02/22/12	
	Maui	02/10/12		Added Harbors, Wharfs, Piers, Landings, and Boat Ramps
Molokai	01/25/12			
Maui/Molokai		01/11/12		
Molokai	01/09/12		Added, changed, and deleted per Molokai Dispatch	
Police Beats	Maui/Molokai		10/10/12	
Police Districts				
Police Response Areas				
Police Stations	Maui/Molokai		10/10/12	
	Maui	09/27/12		
Schools	Molokai	09/27/12		Removed special character from school name
	Maui/Molokai		04/25/12	
	Maui	04/12/12		Corrected addresses according to DSA
Street Centerlines	Maui	12/27/12		Extended the low range for Mahina St, Kihei to accommodate all addresses
	Maui	12/26/12		Split street centerlines to match address points
	Maui	12/21/12		Corrected street name for Kolo Lea St, Kahului
	Maui	12/19/12		Extended range for Haulani St, Pukalani, to accommodate new addresses added
	Maui/Molokai		12/18/12	
	Maui/Molokai	12/12/12		Ran QA/QC audits. Corrected topology issues.
	Maui	12/11/12		Corrected MUN for two (2) street segments. Corrected range and split a segment for N Kihei Rd, Kihei, according to the MSAG Communities
	Molokai	12/10/12		Corrected street name for Mamalu Lai PI, Hoolehua
	Molokai	12/07/12		Extended range for Kuaai Rd, Hoolehua to accommodate new addresses added
Maui/Molokai		12/04/12		

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Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Street Centerlines (continued)	Maui	11/20/12		Corrected data to meet Intergraph CAD requirements
	Maui	11/15/12		
	Maui/Molokai		11/14/12	
	Maui	11/13/12 -- 11/14/12		Corrected ranges and location
	Maui	11/07/12 -- 11/08/12		Added Street Centerlines for Honoapiilani Hwy with ranges to fit County valid address points. Also, corrected ranges for Kula Hwy.
	Maui	10/26/12		Corrected street name according to DSA Address layer
	Maui	10/25/12		Made corrections to data required for the Intergraph CAD.
	Maui/Molokai		10/24/12	
	Molokai	10/19/12		Modified range according to new address added
	Maui	10/19/12 -- 10/22/12		Modified range according to new address added
	Maui	10/16/12		Modified ranges accordingly to new address points added
	Maui	10/12/12		Updated and corrected data
	Maui/Molokai		10/10/12	
	Maui	10/09/12		Added new street
	Molokai	10/09/12		Corrected street name and ranges according to address points
	Maui	10/03/12		
	Molokai	09/26/12		Extended range to fit new address points
	Maui/Molokai		09/13/12	
	Maui	09/07/12 -- 09/11/12		Corrected ranges
	Molokai	09/07/12		Corrected a street range
	Maui	09/06/12		Corrected street name from E Waiko Rd to Maui Baseyard Rd
	Maui	09/05/12		Extended and corrected street ranges according to Address Points
	Maui/Molokai	08/23/12		Corrected ranges
	Maui/Molokai		08/22/12	
	Maui	08/09/12		Spatially corrected street using site plan
	Molokai	08/08/12		Adjusted range to new address point
	Maui/Molokai		07/25/12	
	Molokai	07/20/12		Edited street ranges to include new address point
	Maui	07/13/12		
	Maui	07/13/12		Extended range for Door of Faith Road to fit new address assigned
	Maui/Molokai		07/11/12	
	Maui/Molokai	07/05/12		Corrected ranges according to address points and MSAG
Maui/Molokai	07/02/12		Corrected ranges to match MSAG	
Maui	06/29/12		Extended range to fit new address assigned	
Maui		06/28/12		
Maui		06/27/12		
Maui	06/14/12 -- 06/22/12		Assigned ranges according to address points	
Maui/Molokai		06/13/12		
Maui	06/13/12		Ranged Street Centerlines according to new address points	
Molokai	06/12/12 -- 06/13/12		Assigned ranges according to new address points	

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Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Street Centerlines (continued)	Maui	05/30/12		Deleted street centerlines for roads that were not built. Corrected road classification types and assigned 1-1 ranges to synchronize with the MSAG.
	Maui	05/25/12		Investigated 1 - 9999 ranges
	Maui	05/24/12		Made a correction to meet Intergraph CAD requirements
	Maui	05/18/12		Validated errors found on error report
	Maui	05/16/12		Corrected gaps in street centerline ranges. This is an ongoing project.
	Maui/Molokai		05/09/12	
	Maui	05/09/12		Corrected errors flagged in Akimeka's validation report
	Maui	05/08/12		Added one (1) new street centerline and range to follow the data received from DSA. Corrected gaps in ranges flagged by Akimeka's validation report. This is an ongoing project.
	Maui	05/07/12		Corrected range overlaps and gaps found in the validation report
	Maui	05/03/12		Corrected street name in Spreckelsville from Cane Road to Cane Place as confirmed by the County's street naming authority
	Maui	04/30/12		Changed Street Centerline range to accommodate the three (3) new address points added
	Maui/Molokai		04/25/12	
	Maui	04/24/12		Removed the alias name for Kaae Road as requested by the Maui Police Dispatch Supervisor
	Maui	04/20/12		Added address ranges for Mokulele Highway and Spreckelsville Beach Road. Extended range on Lauhi Place according to address points.
	Maui	04/17/12		Corrected errors from validation report
	Maui	04/13/12		Assigned ranges according to new address points
	Maui/Molokai	04/11/12	04/11/12	Corrected Street Centerline ranges according to address points
	Maui	04/05/12		Extended range to fit new address assigned
	Maui/Molokai		03/21/12	
	Molokai	03/14/12		Updated Street Centerlines to new assigned ESNs as well as update streets to new ESNs in 9-1-1Net
	Maui	03/13/12 -- 03/21/12		
	Maui		03/07/12	
	Maui	03/01/12 -- 03/30/12		Corrected ranges according to address points. This is an ongoing project.
	Molokai		02/22/12	
	Maui		02/22/12	
	Maui	02/21/12		Extended ranges according to address points
	Molokai		02/10/12	
	Maui	02/09/12		Extended ranges according to address points
	Maui		02/08/12	
	Maui	02/07/12		Corrected ranges according to address points
Maui			Corrected the communities in the Street Centerlines attributes for Kilohana Dr in Kihei/Wailea	
Maui	02/06/12			
Molokai	02/01/12		Corrected street name per County Surveyor	

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Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Street Centerlines (continued)	Maui/Molokai		01/25/12	
	Maui/Molokai		01/11/12	
	Maui	01/11/12		Corrected geometry on one street segment to meet Intergraph standards
Trails	Maui/Molokai		11/14/12	
	Maui	11/06/12		Updated and corrected data
WSP Cell Towers	Maui/Molokai		11/14/12	
	Maui	11/06/12		Per AT&T Mobility CRS
	Maui/Molokai		11/01/12	
	Maui/Molokai		10/24/12	
	Maui	10/15/12		Per AT&T Mobility CRS
	Maui/Molokai		09/13/12	
	Molokai	08/10/12		Per VZW CRS
	Maui/Molokai		07/11/12	
	Maui	07/09/12		Per AT&T Mobility CRS
	Maui/Molokai		06/13/12	
	Maui	06/08/12		Temporary cell sectors for T-Mobile
	Maui/Molokai		05/09/12	
	Maui	05/01/12		Per VZW CRS
	Maui		03/07/12	
	Maui	03/02/12		AT&T Mobility Annual Audit
	Maui	02/29/12		Mobi PCS Annual Audit
	Molokai		02/28/12	
	Maui	02/23/12 -- 02/24/12		Nextel Annual Audit
Maui		02/22/12		
Maui	02/13/12			
Maui	02/15/12		Sprint Annual Audit	
Maui	02/14/12		T-Mobile Annual Audit	
Maui	02/13/12		VZW Annual Audit	
OTHER SUPPORTING 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Churches	Maui/Molokai		07/25/12	
	Maui	07/16/12		Added Mantokuji Soto Mission of Paia and corrected the spelling for Palapala Church
	Molokai	06/29/12		Added Hooleha Congregational Church
	Maui	01/24/12		
Gas Stations	Maui/Molokai		11/14/12	
	Maui	10/31/12		Updated and corrected data
	Maui/Molokai		09/13/12	
	Maui/Molokai		04/25/12	
	Maui	04/12/12		Corrected addresses

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
OTHER SUPPORTING 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Food & Beverage	Maui/Molokai		11/14/12	
	Maui	11/02/12 -- 11/05/12		Updated and corrected data
	Maui/Molokai		10/24/12	
	Maui	10/15/12		Corrected data
	Maui/Molokai		09/26/12	
	Maui	09/25/12		Corrected one (1) restaurant name, modified a restaurant name to include the location, and added a restaurant
	Maui	09/14/12		Corrected and validated data
	Maui/Molokai		08/22/12	
	Maui/Molokai		08/08/12	
	Maui	08/02/12		Validated data
	Maui/Molokai		04/25/12	
	Maui	04/12/12		Corrected addresses
	Maui		03/07/12	
	Maui	02/28/12		
	Maui/Molokai		01/25/12	
	Molokai	01/25/12		
Maui	01/24/12			
Maui/Molokai		01/11/12		
Molokai	01/09/12		Changed, added, deleted food establishments per Molokai Dispatch	
Hospitals	Maui/Molokai		09/13/12	
	Maui/Molokai		01/11/12	
Lodging	Maui/Molokai		11/14/12	
	Maui	10/31/12		Updated and corrected data
	Molokai	09/27/12		Filled out street number for one (1) hotel
	Maui/Molokai		09/13/12	
	Maui/Molokai		07/25/12	
	Maui	07/12/12		Added The Old Wailuku Inn at Ulupono
	Maui/Molokai		05/09/12	
	Maui	05/07/12		
	Maui/Molokai		04/25/12	
	Maui	04/13/12		Corrected addresses according to DSA
	Maui/Molokai		01/25/12	
Maui	01/24/12			
Maui	01/23/12		Changed hotel name according to Dispatch	
Medical Facilities	Maui/Molokai		11/14/12	
	Maui	11/06/12		Updated and corrected data

() Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.*

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY					
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks	
		Date Created/ Edits Performed			
OTHER SUPPORTING 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)					
Parcels	Maui/Molokai		11/14/12		
	Maui	10/30/12		Completed updates using new County Parcel layer	
	Maui/Molokai		10/24/12		
	Maui	10/11/12 -- 10/22/12		Updated parcels using new County Parcel layer. This is an ongoing project.	
Parks (Includes National Parks)	Maui/Molokai		10/10/12		
	Maui	10/09/12		Corrected park name	
	Maui	09/27/12		Filled out County and State data	
	Maui/Molokai		08/08/12		
	Maui	07/30/12		Added address information for Kalama Park	
	Maui/Molokai		07/25/12		
	Maui	07/19/12			
	Maui	05/17/12		Added Napili Park	
	Molokai		02/10/12		
Park Polygon	Maui		02/08/12		
	Maui	01/31/12			
	Maui/Molokai		10/10/12		
	Maui	10/09/12		Corrected park name	
	Maui/Molokai		08/08/12		
	Maui	07/30/12		Added address information for Kalama Park	
	Maui/Molokai		07/25/12		
	Maui	07/19/12			
	Maui/Molokai		06/13/12		
	Maui	06/11/12		Deleted an erroneous polygon accidentally created because of an error with the Parcels layer	
	Maui	05/17/12		Added Napili Park	
Post Offices	Molokai		02/10/12		
	Maui		02/08/12		
	Maui	02/01/12			
	Maui	01/31/12			
	Maui/Molokai		06/13/12		
	Maui	06/08/12		Corrected location and street type of Hana Post Office	
	Maui/Molokai		04/25/12		
	Maui	04/12/12		Corrected addresses	
	Subdivisions	Maui/Molokai		08/22/12	
		Maui	08/09/12		Validated data
Maui/Molokai			06/13/12		
Maui		06/08/12		Corrected the location and name for The Summit at Kaanapali	
Maui			03/07/12		
Maui		02/28/12		Corrected subdivision name per Dispatch request	
Maui/Molokai			01/25/12		
Maui	01/23/12				
Maui	01/17/12		Added subdivision per Dispatch request		

() Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.*

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
DISASTER/HOMELAND SECURITY LAYERS (Listed Alphabetically)				
Airports	Maui/Molokai		08/08/12	
Bridges	Maui/Molokai		08/08/12	
Coastline	Maui/Molokai		12/18/12	
		12/12/12		Edited according to the Parcels layer
	Maui/Molokai		11/14/12	
Coastal Names	Maui	11/06/12		Updated and corrected data
	Maui/Molokai		08/22/12	
	Maui	08/20/12		Added a Common Name as requested by Maui Dispatch
	Maui/Molokai		08/08/12	
	Molokai		02/10/12	
Emergency Operation Centers (EOC)	Maui		02/08/12	
	Molokai		08/22/12	
	Maui		02/10/12	
Emergency Shelters				
Government Buildings	Maui/Molokai	04/02/12		Made edits to the location and spelled out abbreviated words
	Maui	03/01/12		Added County government buildings
	Maui	02/28/12		Created new layer
Harbors	Maui/Molokai	03/08/12		
	Maui	02/10/12		Updated attributes and removed special characters and undercases
	Maui	02/08/12		Completed edits and updated metadata
	Maui	02/07/12		Created Harbors point layer from the State of Hawaii website -- State GIS Office of Planning and re-projected
Helipads	Maui/Molokai		11/14/12	
	Maui	11/06/12		Updated and corrected data
Hydrology Layers				
- Dams	Maui/Molokai		08/22/12	
- Ponds	Maui/Molokai		11/14/12	
	Maui	10/31/12		Updated and corrected data
	Molokai		02/28/12	
- Streams (Includes Rivers)	Maui		02/22/12	
	Maui/Molokai		11/14/12	
- Waterfalls	Maui	11/06/12		Updated and corrected data
Ocean Rescue Boundaries				
Ocean Safety (Includes Lifeguard Stands)				
	Maui	03/09/12		Updated metadata for layer
	Maui	03/05/12		Identifies County beach lifeguard stands

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

MAUI COUNTY				
Type of Layer	Island	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
		Date Created/ Edits Performed		
DISASTER/HOMELAND SECURITY LAYERS (Listed Alphabetically)				
Tsunami Evacuation Zones				
Tsunami Heights				
United States National Grid (50K)				
United States National Grid (500K)				
Waste Water Plants	Maui	02/06/12		Created new layer
SPECIAL REQUESTS				
Gate Codes	Maui	12/20/12		Changed gate code for Honolua Ridge per SR #538
	Maui/Molokai		08/22/12	
	Maui	08/14/12		Changed code for Kaanapali Golf Estates per SR 501
	Maui/Molokai		08/08/12	
	Maui		07/02/12	Reloaded into PowerMap because the layer loaded was corrupted
	Maui/Molokai		06/13/12	
	Maui	06/08/12		Changed gate code for The Summit at Kaanapali per SR #491
	Maui	05/29/12		Added a new gate code for Puunoa Subdivision per Service Request #478
	Maui	05/17/12		Added a gate code and changed one gate code per Service Request #474 and #475 respectively
	Maui/Molokai		05/09/12	
	Maui	05/07/12		Changed gate code for Plantation Estates per Service Request #469
	Maui/Molokai		04/25/12	
	Maui	04/24/12		Added additional information to the Gate Code Label for Lahaina Inn as requested by the Maui Police Dispatch Supervisor
	Maui	04/23/12		Updated gate code per Service Request #467
	Maui/Molokai		04/11/12	
	Maui	03/22/12		Updated gate code per Service Request #451
Maui/Molokai		03/21/12		
Maui	03/12/12		Updated gate code per Service Request #451	
Maui/Molokai		01/25/12		
Maui	01/24/12			
HCS Monsanto Fields				
Tow Jurisdictions				

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

Current Month GIS Activities – December 2012

12/20/12 Akimeka prepared and conducted an Intergraph CAD map push which included the following: Address Points, Common Name Lookup Table, Gate Codes, Street Centerlines, Coastline, and MSAG Communities.

- **Service Requests Transactions**

Open Service Requests – December 2012 (November 29, 2012 – December 27, 2012)

MAUI PSAP						
#	Date	Ticket #	Description	Category	Urgency	Comments
1	12/14/12	538	Plantation Estates -- Gate Code Error	911 Map	Low	Plantation Estates gate code was correct. It appeared that the incorrect gate code was for Honolua Ridge. As confirmed, changed the gate code for Honolua Ridge. This update was included in the Intergraph CAD push but will be reflected when PowerMap is updated on 01/09/13. The Service Request will be closed at such time.

Note: Open Service Requests reflect what is in pending status at the end of the report month.

MOLOKAI PSAP						
#	Date	Ticket #	Description	Category	Urgency	Comments
			NONE			

Note: Open Service Requests reflect what is in pending status at the end of the report month.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Service Requests Transactions (continued)**

Year-to-Date (YTD) Summary – 2012

MAUI PSAP				SERVICE REQUEST CATEGORIES							
2012	TOTAL			911 Map		MSAG		Request Training		Suggestions	
	Created	Closed	Open	Created	Closed	Created	Closed	Created	Closed	Created	Closed
December	1	0	1	1	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0
October	1	1	0	0	0	1	1	0	0	0	0
September	4	5	0	3	4	1	1	0	0	0	0
August	1	2	1	1	2	0	0	0	0	0	0
July	2	0	2	2	0	0	0	0	0	0	0
June	1	3	0	1	1	0	1	0	0	0	1
May	4	5	2	2	3	0	1	0	0	2	1
April	3	4	3	0	0	2	2	0	0	1	2
March	6	4	4	1	1	4	3	0	0	1	0
February	2	0	2	1	0	1	0	0	0	0	0
January	1	1	0	0	0	0	0	0	0	1	1
2011 Carryover	0	0	0	0	0	0	0	0	0	0	0
TOTAL	26	25	1	12	11	9	9	0	0	5	5

Note: Open Service Requests reflect what is in pending status at the end of the report month.

Year-to-Date (YTD) Summary – 2012 (continued)

MOLOKAI PSAP				SERVICE REQUEST CATEGORIES							
2012	TOTAL			911 Map		MSAG		Request Training		Suggestions	
	Created	Closed	Open	Created	Closed	Created	Closed	Created	Closed	Created	Closed
December	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0
January	0	0	0	0	0	0	0	0	0	0	0
2011 Carryover	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0

Note: Open Service Requests reflect what is in pending status at the end of the report month

Definitions:	Category	Description
	911 Map	Mapping computer not functioning or displaying properly
	MSAG	Discrepancies with 9-1-1 MSAG addresses
	Request Training	E-911 Operations training needs
	Suggestions	Vehicle to share suggestions

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- E9-1-1 Database Synchronization**
(Reference: NENA 71-501, Version 1.1 – NENA Information Document for Synchronizing Geographic Information System databases with MSAG & ALI)

As part of Akimeka's value added services, Akimeka conducted the next quarterly database synchronization audit for Maui County in December 2012.

The database synchronization effort included comparing Maui County's 9-1-1 MSAG against its GIS Street Centerline data. A total number of **2,665** 9-1-1 MSAG records were reviewed in the audit and analyzed. Results of the database synchronization audit completed on December 21, 2012 for Maui County are reported below.

Database synchronization should be part of an ongoing and continuous process to ensure that the databases remain current and synchronized. Since neither database is static in nature, the synchronization process will never yield a 100 percent match rate. As such, NENA's recommended minimum match rate is 98%.

The database synchronization process is essential to monitor and ensure the level of accuracy of the E9-1-1 databases and prepare for Next Generation 9-1-1 (NG9-1-1). As such, Akimeka will perform database synchronization audits on a quarterly basis as part of its ongoing maintenance process. Results of the database synchronization audit will be included and reported in the Monthly Status Report (MSR) accordingly.

Audit Summary Results – 2012

9-1-1 MSAG TO GIS STREET CENTERLINE AUDIT COMPARISON RESULTS	Notes	As of March 16, 2012		As of June 5, 2012		As of September 5, 2012		As of December 21, 2012	
		9-1-1 MSAG Dated 03-01-12		9-1-1 MSAG Dated 06-01-12		9-1-1 MSAG Dated 9-01-12		9-1-1 MSAG Dated 12-01-12	
		# of Records	%	# of Records	%	# of Records	%	# of Records	%
Total 9-1-1 MSAG Records Reviewed		2,744		2,701		2,657		2,665	
Less: 9-1-1 MSAG Exception Records	(1)	60	2.2%	60	2.2%	60	2.3%	60	2.25%
Net 9-1-1 MSAG Records Eligible for Comparison		2,684		2,641		2,597		2,605	
Total 9-1-1 MSAG Records Match (9-1-1 MSAG – GIS Match – No Corrections Required)		2,435	90.7%	2,410	91.3%	2,571	99.0%	2,604	99.96%
9-1-1 MSAG – GIS No Match - Minor Correction Required	(2)	164	6.1%	158	6.0%	17	0.7%	1	0.04%
9-1-1 MSAG Record With No GIS Record	(3)	85	3.2%	73	2.8%	9	0.3%	0	0.00%
Total 9-1-1 MSAG Records No Match		249	9.3%	231	8.7%	26	1.0%	1	0.04%

Objective: NENA Recommended Match Rate = 98%

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

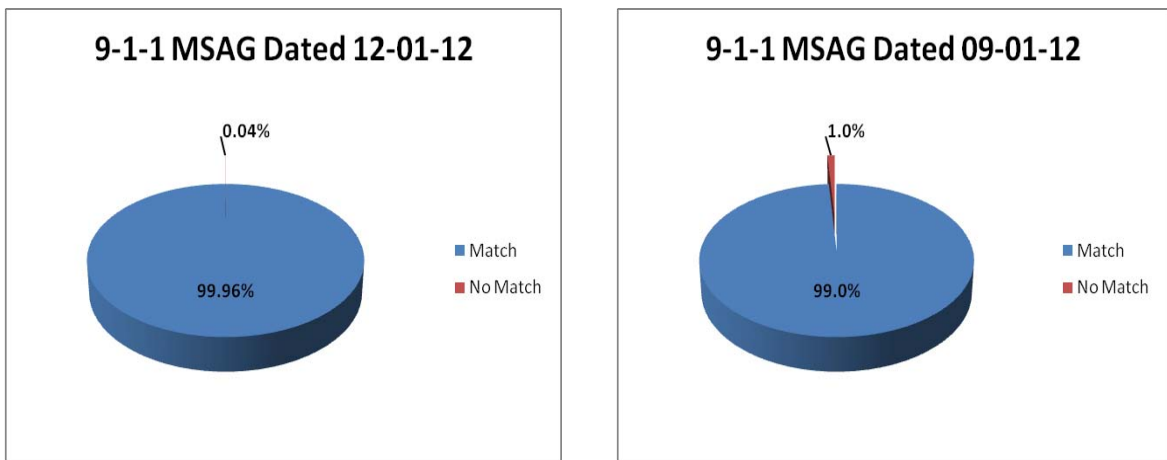
- **E9-1-1 Database Synchronization (continued)**
(Reference: NENA 71-501, Version 1.1 – NENA Information Document for Synchronizing Geographic Information System databases with MSAG & ALI)

Audit Summary Results – 2012 (continued)

Notes:

- (1) An MSAG Record that will not have a corresponding GIS Street Centerline Record but is required for the routing of E9-1-1 calls (i.e., Emergency Call Box, Foreign Exchange Records, Wireless Shell Records, etc.). No further action is required.
- (2) An MSAG Record that requires minor MSAG attention in 9-1-1Net to correct MSAG Records (i.e., Reassignment of an MSAG Community, modification of the Site Address Range, assignment of an ESN, performing a combine or insert of an existing MSAG Record, etc.).
- (3) An MSAG Record that does not have a corresponding GIS Record and will require additional research and validation. The GIS Section will assist with this effort.

Audit Summary Results – December 1, 2012 vs. September 1, 2012 MSAG



Maui County's level of accuracy or 9-1-1 Match percentage further improved from 99.0% as of September 1, 2012 to 99.96% as of December 1, 2012

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **E9-1-1 Database Synchronization (continued)**
(Reference: NENA 71-501, Version 1.1 – NENA Information Document for Synchronizing Geographic Information System databases with MSAG & ALI)

Audit Summary Results – December 1, 2012 vs. September 1, 2012 MSAG (continued)

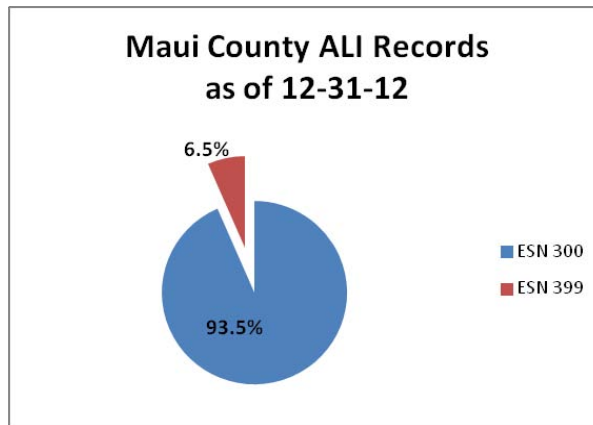
- ❖ “MSAG - GIS Minor Corrections” were reduced by 94.1% (17 to 1) from September 2012 to December 2012 respectively. Low and high address ranges were adjusted in the MSAG to correspond with the GIS record. Although this is a minor correction, customer telephone numbers (TNs) need to be validated by the service providers prior to adjusting an address range.
- ❖ “MSAG Record With No GIS Record” was reduced to zero (9 to 0) from September 2012 to December 2012 respectively. The decrease in records were due primarily to the verification of the MSAG records against multiple GIS databases to determine if the roads are existing within Maui County records.
- ❖ “GIS Record With No MSAG Record” was reduced to zero (5 to 0) from September 2012 to December 2012. MSAG records were either inserted or adjusted according to Maui County GIS databases.
- ❖ “GIS Record With Minor Corrections” were reduced by 94.4% (18 to 1) from September 2012 to December 2012 respectively. Low and high address ranges, street suffix, and MSAG Community were adjusted in the GIS to correspond with the MSAG record.
- ❖ Street segment GIS record errors were reduced to zero (10 to 0) from September 2012 to December 2012 respectively. During the synchronization process, Akimeka identified GIS street segments in the Street Centerlines layer which do not have a County valid street name or range assigned. These street segments are included in the GIS map as part of a visual aid for the dispatchers. The street segments are also geocoded within the CAD system in order to identify intersections and cross street information that may assist the dispatchers in identifying and responding to a 9-1-1 caller’s location.
- ❖ Ongoing maintenance is critical to ensure the database synchronized level of address accuracy is maintained each time an MSAG or GIS record is “last modified”.

Maui County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **E9-1-1 Database Synchronization (continued)**
(Reference: NENA 71-501, Version 1.1 – NENA Information Document for Synchronizing Geographic Information System databases with MSAG & ALI)

Automatic Location Identification (ALI) Discrepancy Reports

As part of Akimeka’s ongoing database synchronization efforts, Akimeka reviewed and summarized the ALI discrepancy reports by community for Maui County. As of December 31, 2012, **5,420** ESN 399 records, representing **6.5%** of Maui County’s total ALI records, require research and corrective action, if needed. This is an improvement from 7.5% as of September 24, 2012 to 6.5% as of December 31, 2012.



These ALI discrepancy reports will result in a No Record Found (NRF) condition during a 9-1-1 call.

The ALI discrepancy reports are primarily due to telephone numbers (TNs) with missing digit(s) in the address point, assigned to blank-to-blank ranges without an assigned customer or address, and attached to the wrong address point, street, customer or combination thereof.

The goal, which requires the cooperation among all service providers, is to clean-up all ESN 399 MSAG records and associated ALI records to a valid Maui County ESN and valid MSAG address.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• PSAP Operations

9-1-1 Call Volume – December 2012

PSAP	Total	Wireline/ VoIP	%	Wireless	%
HAWAII (*)	11,267	3,687	32.8%	7,545	67.2%

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

9-1-1 Call Volume – Calendar Year 2012

Please note that since the Solacom cutover in February 2012, no Admin and Abandoned Call statistics have been reported and provided by Hawaiian Telcom, Inc.

HAWAII		TOTAL PSAP 9-1-1 CALL VOLUME									
		Wireline/VoIP		Wireless		Unknown		Admin		Abandoned	
2012	Total	# of Calls	%to Total Wireline & Wireless	# of Calls	%to Total Wireline & Wireless	# of Calls	%to Total Calls	# of Calls	%to Total Calls	# of Calls	%Abandoned to Total
December	11,267	3,687	32.8%	7,545	67.2%	35	0.3%	N/A	N/A	N/A	N/A
November	10,137	3,333	33.0%	6,762	67.0%	42	0.4%	N/A	N/A	N/A	N/A
October	11,085	3,725	33.7%	7,320	66.3%	40	0.4%	N/A	N/A	N/A	N/A
September	10,027	3,257	32.6%	6,731	67.4%	39	0.4%	N/A	N/A	N/A	N/A
August	10,976	3,593	32.9%	7,338	67.1%	45	0.4%	N/A	N/A	N/A	N/A
July	10,876	3,618	33.4%	7,224	66.6%	34	0.3%	N/A	N/A	N/A	N/A
June	10,360	3,524	34.2%	6,775	65.8%	61	0.6%	N/A	N/A	N/A	N/A
May	10,403	3,659	35.3%	6,705	64.7%	39	0.4%	N/A	N/A	N/A	N/A
April	10,327	3,412	33.2%	6,874	66.8%	41	0.4%	N/A	N/A	N/A	N/A
March (*)	10,651	3,563	33.6%	7,050	66.4%	38	0.4%	N/A	N/A	N/A	N/A
February (*)	7,863	2,688	34.3%	5,143	65.7%	32	0.4%	N/A	N/A	N/A	N/A
January	10,875	3,690	33.9%	7,185	66.1%			0	0.0%	1,105	10.2%
TOTAL YTD	124,847	41,749	33.6%	82,652	66.4%	446	0.4%	N/A	N/A	N/A	N/A
AVG PER MO	10,404	3,479		6,888		37		N/A		N/A	

Note: Total Calls include Administrative calls that are not direct 9-1-1 calls.

(*) As reported manually by Hawaiian Telcom, Inc. (HTI) following the Solacom cutover on February 8, 2012:

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **PSAP Operations (continued)**

9-1-1 Call Volume – Calendar Year 2012 (continued)

HAWAII		TRANSFERRED TO FIRE												
		Wireline/VoIP			Wireless			Unknown		Admin		Abandoned		
2012	Total	# of Calls	% to Total Wireline & Wireless	% of Total Wireline	# of Calls	% to Total Wireline & Wireless	% of Total Wireless	# of Calls	% to Total Calls	# of Calls	% to Total Calls	# of Calls	% Abandoned to Total	
December	2,373	943	41.0%	25.6%	1,355	59.0%	18.0%	75	3.2%	N/A	N/A	N/A	N/A	
November	2,070	885	43.4%	26.6%	1,155	56.6%	17.1%	30	1.4%	N/A	N/A	N/A	N/A	
October	2,209	970	45.1%	26.0%	1,180	54.9%	16.1%	59	2.7%	N/A	N/A	N/A	N/A	
September	2,069	876	43.2%	26.9%	1,150	56.8%	17.1%	43	2.1%	N/A	N/A	N/A	N/A	
August	2,109	935	45.0%	26.0%	1,145	55.0%	15.6%	29	1.4%	N/A	N/A	N/A	N/A	
July	2,243	877	39.7%	24.2%	1,334	60.3%	18.5%	32	1.4%	N/A	N/A	N/A	N/A	
June	2,028	876	43.9%	24.9%	1,118	56.1%	16.5%	34	1.7%	N/A	N/A	N/A	N/A	
May	3,111	1,498	49.0%	40.9%	1,557	51.0%	23.2%	56	1.8%	N/A	N/A	N/A	N/A	
April	2,886	1,200	42.1%	35.2%	1,647	57.9%	24.0%	39	1.4%	N/A	N/A	N/A	N/A	
March (*)	2,121	904	43.0%	25.4%	1,199	57.0%	17.0%	18	0.8%	N/A	N/A	N/A	N/A	
February (*)	1,818	N/A									N/A	N/A	N/A	N/A
January	2,157	948	43.9%	25.7%	1,209	56.1%	16.8%			0	0.0%	52	2.4%	
TOTAL YTD	27,194	10,912	43.7%	26.1%	14,049	56.3%	17.0%	415	1.5%	N/A	N/A	N/A	N/A	
AVG PER MO	2,266	992			1,277			42		N/A		N/A		

Note: Total Calls include Administrative calls that are not direct 9-1-1 calls.

(*) As reported manually by Hawaiian Telcom, Inc. (HTI) following the Solacom cutover on February 8, 2012: Transfer destination reports were not available. HTI reported that 1,818 calls were transferred to Fire covering the period February 8 – 29, 2012.

Note: There are no statistics for the period October 27, 2012 at 2200 hours to October 28, 2012 at 0200 hours due to the tsunami warning and evacuation of the Hawai'i County Fire PSAP.

Notes:

- (1) "Abandoned" calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered.
- (2) "Abandoned" calls are included in the "Wireline" and "Wireless" counts respectively. The standard CML reports do not provide a break-out of "Abandoned" calls between "Wireline" and "Wireless" calls.
- (3) Total call volumes include Administrative calls. (Administrative calls = Calls made between 911 positions but are not 911 calls.)

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- PSAP Operations (continued)

9-1-1 Call Volume – Year Over Year (Y/Y) Comparison -- 2012 vs. 2011

HAWAII	PSAP 9-1-1 CALL VOLUME						
	TOTAL	WIRELINE		WIRELESS		ADMIN	ABANDONED
		# of Calls	%to Total Wireline & Wireless	# of Calls	%to Total Wireline & Wireless	# of Calls	# of Calls
2008	122,849	54,899	44.7%	67,910	55.3%	40	13,418
2009	118,554	49,440	41.7%	69,096	58.3%	18	13,368
Y/Y Change	(4,295)	(5,459)		1,186		(22)	(50)
% Change	-3.5%	-9.9%		1.7%		-55.0%	-0.4%
2009	118,554	49,440	41.7%	69,096	58.3%	18	13,368
2010	120,094	46,998	39.1%	73,093	60.9%	3	13,546
Y/Y Change	1,540	(2,442)		3,997		(15)	178
% Change	1.3%	-4.9%		5.8%		-83.3%	1.3%
2010	120,094	46,998	39.1%	73,093	60.9%	3	13,546
2011	122,180	43,460	35.6%	78,716	64.4%	4	13,391
Y/Y Change	2,086	(3,538)		5,623		1	(155)
% Change	1.7%	-7.5%		7.7%		33.3%	-1.1%
2011	122,180	43,460	35.6%	78,716	64.4%	4	13,391
2012	124,847	41,749	33.6%	82,652	66.4%	N/A	N/A
Y/Y Change	2,667	(1,711)		3,936			
% Change	2.2%	-3.9%		5.0%			

Total PSAP 9-1-1 Call Volumes increased by 2.2% in 2012 from 2011 -- with Wireline calls further declining by 3.9% offset by the increase in Wireless calls by 5.0%. The trend and shift toward more Wireless E9-1-1 calls continues with 66.4% Wireless E9-1-1 calls and 33.6% Wireline E9-1-1 calls.

Please note that since the Solacom cutover in February 2012, no Admin and Abandoned Call statistics have been reported and provided by Hawaiian Telcom, Inc.

In addition, there were 446 Unknown calls reported by Hawaiian Telcom, Inc. which represents 0.4% of Total Calls.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **PSAP Operations (continued)**

**9-1-1 Call Volume – Year Over Year (Y/Y) Comparison -- 2012 vs. 2011
(continued)**

HAWAII	TRANSFERRED TO FIRE						
	TOTAL	WIRELINE		WIRELESS		ADMIN	ABANDONED
		# of Calls	% to Total Wireline & Wireless	# of Calls	% to Total Wireline & Wireless		
2008	21,819	12,019	55.1%	9,789	44.9%	11	439
2009	21,587	11,325	52.5%	10,254	47.5%	8	424
Y/Y Change	(232)	(694)		465		(3)	(15)
% Change	-1.1%	-5.8%		4.8%		-27.3%	-3.4%
2009	21,587	11,325	52.5%	10,254	47.5%	8	424
2010	22,450	10,813	48.2%	11,629	51.8%	8	398
Y/Y Change	863	(512)		1,375		0	(26)
% Change	4.0%	-4.5%		13.4%		0.0%	-6.1%
2010	22,450	10,813	48.2%	11,629	51.8%	8	398
2011	22,893	10,701	46.7%	12,189	53.3%	3	418
Y/Y Change	443	(112)		560		(5)	20
% Change	2.0%	-1.0%		4.8%		-62.5%	5.0%
2011	22,893	10,701	46.7%	12,189	53.3%	3	418
2012	27,194	10,912	43.7%	14,049	56.3%	N/A	N/A
Y/Y Change	4,301	211		1,860			
% Change	18.8%	2.0%		15.3%			

Total 9-1-1 Calls Transferred to Fire increased by 18.8% in 2012 from 2011. Please note that:

1. There are no call statistics for the period October 27, 2012 at 2200 hours to October 28, 2012 at 0200 hours due to the tsunami warning and evacuation of the Hawai'i County Fire PSAP.
2. There are no details provided between Wireline and Wireless for the month of February 2012 following the Solacom conversion.

Wireline calls increased by 2.0% and Wireless calls increased by 15.3%.

Please note that since the Solacom cutover in February 2012, no Admin and Abandoned Call statistics have been reported and provided by Hawaiian Telcom, Inc.

In addition, there were 415 Unknown calls reported by Hawaiian Telcom, Inc.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• PSAP Operations (continued)

Wireless Test – December 2012

Date	WSP	Sites Tested	Sectors Tested	Tested By	Test Pass/Fail
12/05/12	AT&T Mobility	2	12	Hawai'i PSAP/ Akimeka	Pass
12/18/12	AT&T Mobility	3	10	Hawai'i PSAP/ Akimeka	Fail
12/19/12	AT&T Mobility	1	4	Hawai'i PSAP/ Akimeka	Pass

Current Month PSAP Operations Activities – December 2012

Weekly
(Every
Friday)

Hawai'i County, along with the other PSAPs and Akimeka, participated in the weekly conference calls (except the December 7, 2012 and December 21, 2012 conference calls which were cancelled) hosted by Hawaiian Telcom, Inc. (HTI) to review the Solacom conversion in the State of Hawai'i. There has been no significant progress or updates provided to date with regards to the Hawai'i County Solacom conversion. The focus of the conference call has shifted to the Intrado Viper solution and installation.

HTI reported that on December 10, 2012, Solacom engineers, Marcel Rousseau and Marty Deleohardis uploaded the new Solacom upgrade at the County of Hawaii PSAPs (Police and Fire). This upgrade was intended to address some of the troubles previously reported. The upgrade was successfully tested by the Solacom engineers.

The focus of the conference call has shifted to the Intrado Viper solution and installation.

12/07/12

All of the State of Hawai'i PSAPs received the FCC 317786A1 - Texting to 911 document. This document outlines texting to 9-1-1 on the Verizon, AT&T, Sprint and T-Mobile networks with APCO and NENA in 2014. This does not mean or infer that 9-1-1 texting will be available to all consumers in 2014; it will merely hasten the day when it becomes available.

The agreement calls for all parties to work together to ensure a seamless introduction and implementation of texting to 9-1-1, with specific provisions to include:

1. Text to 9-1-1 service capabilities will be deployed throughout the WSP's wireless network by May 15, 2014.
2. Bounce back notification will be sent to subscribers by June 30, 2013 when texting to 9-1-1 is available in their area.
3. Texting to 9-1-1 progress reports will be submitted quarterly by the WSPs to APCO and NENA.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

Current Month PSAP Operations Activities – December 2012 (continued)

- 12/14/12 Akimeka assisted Sergeant Matsumoto in re-establishing the data link that feeds the CAD mapping system.
- 12/17/12 Akimeka responded to an inquiry by the County of Hawai'i Fire Department with regards to information not mapping in the Positron equipment. The trouble was isolated to the Positron UPS and server which was re-started by Sergeant Ing.
- 12/19/12 The State of Hawai'i PSAPs monthly scheduled PSAP Round Table Forum via conference call was cancelled for the month of December 2012.
- 12/20/12 The State of Hawai'i PSAPs participated in a meeting or via webinar with Hawaiian Telcom, Inc. (HTI) and Intrado to continue discussions on the Intrado Viper cutover. A presentation was provided by Tina Metivier, the Intrado Customer Team Director, outlining the Intrado Viper Next Gen 9-1-1 Project Plan. Statewide implementation is projected for the 4th quarter of 2013. Intrado and HTI are striving to implement the Intrado solution to the County of Hawai'i PSAPs (Police and Fire) as early as possible in 2013.

Open Issues (To be Monitored and Tracked by Akimeka)

Updates as of December 31, 2012 are noted below:

- 04/16/10 Akimeka personnel worked on a flowchart for the Neighbor Island PSAPs to document the flow of a Call Routing Spreadsheet (CRS) and Testing Validation Worksheet (TVW). It was discovered that different processes exist among the carriers.

Akimeka created and submitted for review a DRAFT Call Routing Sheet (CRS) and Testing Validation Worksheet (TVW) process flowchart to the Neighbor Island PSAPs on December 20, 2010.

Update (4/30/11) – Akimeka continued to work on the flowchart and incorporate the feedback received. An updated process flowchart is currently under review within Akimeka. Once approved, it will be shared with the Neighbor Island PSAPs.

Update (5/1/11 – 7/31/11) – In progress.

Update (8/31/11) – In progress. Personnel updates need to be incorporated.

Update (9/1/11 – 11/30/11) – No further updates.

Update (12/31/11) – In progress. NENA standards updates are being incorporated.

Update (1/31/12 – 12/31/12) – No further updates.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- PSAP Operations (continued)**

County of Hawai'i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012

On October 4, 2012, Hawaiian Telcom, Inc. (HTI) formally announced to the County of Hawai'i that HTI will be replacing Solacom with Intrado as their 9-1-1 delivery partner and that Solacom was notified of HTI's decision accordingly.

The HTI/Intrado announcement was received positively by the County of Hawai'i, however, the Hawai'i County PSAPs are still operating on the Solacom system on a daily basis. Unfortunately, the Hawai'i County PSAPs continue to experience and report trouble.

There were thirteen (13) trouble reports in the month of December 2012. As of December 31, 2012, a total of **398** trouble reports have been documented as follows:

Trouble Category	# of Trouble Reports												Total Trouble Reports to Date
	February 2012	March 2012	April 2012	May 2012	June 2012	July 2012	August 2012	September 2012	October 2012	November 2012	December 2012		
Audio Issues	113	22	9	18	1	3	5	0	4	1	2	178	
No ANI/ALI Transferring to the CAD	12	14	9	3	4	1	4	0	0	0	3	50	
Feature Not Working and Screen Problems	11	9	8	4	0	0	6	1	0	0	0	39	
Ringback Issues -- Inability to Callback 9-1-1 Callers	4	3	4	0	0	0	0	0	0	1	1	13	
Transfer Issues to Secondary PSAP (Fire)	4	2	3	0	0	0	0	0	0	0	0	9	
Transfer Issues Between Hawaii and Maui PSAP					2	0	3	1	0	0	0	6	
Call History Not Complete or Available	2	3	0	0	0	0	0	1	0	0	0	6	
Other (Printer Not Working, Miscellaneous Reports, TDD Not Working Properly, Testing Document Not Provided, Etc.)	10	16	7	23	8	8	9	5	2	2	7	97	
Total Trouble Reports	156	69	40	48	15	12	27	8	6	4	13	398	

Of the 398 reported troubles, feedback and/or resolution has been received on 143 (35.9%) of the trouble reports.

In an effort to address the post conversion issues, Hawaiian Telcom, Inc. (HTI) continues to host weekly (every Friday) conference calls with the State of Hawai'i PSAPs relative to the Solacom issues. The December 7, 2012 and December 21, 2012 conference calls were cancelled.

The focus of the conference calls has shifted to the Intrado Viper solution and installation.

Hawai`i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai`i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

On December 10, 2012, Solacom engineers, Marcel Rousseau and Marty Deleohardis, uploaded the new Solacom upgrade at the County of Hawai`i PSAPs (Police and Fire). This upgrade is intended to address some of the troubles previously reported. The upgrade was successfully tested by the Solacom engineers and addressed the following:

1. Eliminate dropping calls transferred between the County of Hawai`i PSAPs (Police and Fire) and their alternate site at Civil Defense.
2. Provide the ability to print screen for both live and completed calls.
3. Populate the call history ALI data to the CAD port when a call is selected from the call history menu and ALI data selected.
4. Enable the clearing of the ANI/ALI information on the CAD GIS equipment once the call is completed.
5. Provide correct ANI/ALI information on the CAD GIS equipment.
6. Enable of the releasing of conference calls completely.

Feedback and updates provided by HTI as of December 31, 2012 are as follows:

1. Incomplete/Bad ANI/ALI Information – It appears that this issue involves overflow routes being used by all the service providers/Wireless Service Providers (WSPs). HTI reported that this was an existing issue on the CML platform. On the CML platform, there will be a blank ANI. On the Solacom platform, there will be an “anonymous” notification.

Since it was determined that this was an existing issue with the CML platform, HTI asked if this issue could be removed from the list of Solacom conversion issues.

Sergeant Matsumoto agreed to allow this issue to be removed from the Solacom issues since this was an existing issue on the CML platform.

Hawaiian Telcom continues to work with all of the CLEC's for a statewide approach to resolve the issue of not delivering the ANI/ALI information on overflow MF trunks. No updates have been provided.

Unfortunately, the Hawai`i County Police PSAP had another occurrence of bad data being presented to them. It was isolated to a Red Road telephone customer who is served by Time Warner. No further information was provided.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai'i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

2. Inability to Ringback 9-1-1 Callers – Unfortunately, there was another incident which was reported to HTI on November 30, 2012 regarding the inability to ringback telephone prefix 808-494.

On December 5, 2012, Hawaiian Telcom reported that the trouble was resolved. A translation table entry in the Hilo telephone switch that provides dial tone to the Solacom system was not built correctly (specific to 808-494-xxxx telephone numbers) and was not interpreting the number being dialed correctly. The translations were corrected and ringing back callers to the 808-494 prefix were functioning correctly.

3. No ANI/ALI Information Transferring to the CAD – This issue remains unresolved and is still under investigation by Solacom. The Hawai'i County PSAP reported that the only occurrence has been on the Hilo Solacom position and will be reported to Intergraph.

Scott Uehara of the County of Hawai'i Police IT Department initiated a trouble ticket with Intergraph (Intergraph SR: 1-395752809) on July 19, 2012 and continues to work with Intergraph to resolve the issue.

There have been no updates on this issue to date.

The Hawaii County Police PSAP reported three (3) incidents of no ANI/ALI transferring to the CAD or extremely slow response of four (4) minutes. Although the December 10, 2012 Solacom upgrade was to address this issue, trouble continues.

Hawaiian Telcom and Solacom continue to investigate and reported that their logs show that they are attempting to send the data to the Intergraph CAD and asked if the "lantronic" is having trouble.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai'i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

4. Greater Percentage of Wireless Phase I (WPH I) Calls – This issue has not been resolved.

Prior to the conversion, most of the wireless 9-1-1 calls delivered to the PSAP were Wireless Phase II (WPH II) calls upon initial delivery. Following the conversion, there has been a noticeable shift from Wireless Phase II (WPH II) calls to Wireless Phase I (WPH I) calls. As a result, there are more inquiries by the dispatcher for location information and/or more re-bid requests being required as compared to pre-conversion.)

On July 19, 2012, the Hawai'i County Police PSAP requested that the delay be set at five (5) seconds since this produced the highest results of WPH II initial call delivery at 35.7%.

Second Delay	Calls Land as WPH II Upon Initial Delivery	All Calls Have WPH II Data Upon Call Termination
6	35.6%	50.1%
5	35.7%	48.1%
4	32.3%	44.5%
3	34.4%	43.4%
2	28.1%	43.4%

On August 27, 2012, HTI provided their study of a thirty (30) day period after the 5 second delay was introduced. The overall study results are as follows:

E9-1-1 Call	WPH II	WPH I
Initial Delivery	32.3%	67.7%
End of Call (Re-bid)	45.7%	54.3%

HTI's study clearly confirms that WPH II performance results on the initial call delivery have been negatively impacted. This has a direct impact on PSAP operations.

Further action is under review by the County of Hawai'i PSAPs.

Hawai`i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai`i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

5. Inability to Transfer Calls to the Secondary PSAP – There has been no further occurrences reported as of October 31, 2012 and this issue is considered closed.
6. No 9-1-1 Recording – This issue has not been resolved.

HTI is still working with Solacom to provide an “All Operators Are Busy” recording for the Hawai`i County Police queue. Hawai`i County Fire closed this issue, however; Hawai`i County Police requested that this issue remain open.

As of July 25, 2012, it was reported to the County of Hawai`i Police PSAP that HTI initiated a change request to Solacom to provide queue recordings in a future enhancement which was marked as a high priority by the PSAP. HTI will provide updates and a timeline when available.

Subsequently, HTI requested a meeting with the County of Hawai`i Police PSAP and Solacom to discuss the change request on the listed issue. All outstanding issues requiring change requests had been prioritized by the County of Hawai`i Police PSAP as important and should be fixed right away. Both HTI and Solacom would like to discuss the schedule. The meeting date is pending travel plans by representatives of Solacom.

A meeting date still has not been scheduled by HTI as of December 31, 2012.

7. Call History – This issue has not been resolved.

Originally, calls transferred to the secondary PSAP (Fire) from the primary PSAP (Police) would not retain history on the primary PSAP positions. HTI installed a software maintenance upgrade on May 9, 2012 to correct this problem. During testing, it was discovered that the record only becomes available when the caller disconnects from the final destination. Follow up action is needed by HTI to resolve this issue since the call transfer record is needed when the call is transferred. The Hawai`i County PSAPs (Police and Fire) also requested that they be provided the ability to print screen in order to document the call history and call transfer.

As of July 25, 2012, it was reported to the County of Hawai`i Police PSAP that HTI initiated a change request to Solacom to resolve this issue in a future enhancement and was marked as a high priority by the PSAP. HTI will provide updates and a timeline when available.

Subsequently, HTI requested a meeting with the County of Hawai`i Police PSAP and Solacom to discuss the change request on the listed issue. All outstanding issues requiring change requests had been prioritized by the County of Hawai`i Police PSAP as important and should be fixed right away. Both HTI and Solacom would like to discuss the schedule. The meeting date is pending travel plans by representatives of Solacom.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai'i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

7. Call History (continued)

On September 24, 2012, the County of Hawai'i Police PSAP experienced trouble with missing call information in the call history and reported the incident to HTI. The trouble was occurring on the Supervisor and Call Taker positions. Call history was missing from May 9, 2012 through September 29, 2012, which is normally stored in an internal system folder. This incident is being monitored by HTI and the PSAP.

On November 30, 2012, it was reported by HTI that Solacom representatives will be on-site the week of December 10, 2012 to install Release 11 which should resolve this problem.

On December 10, 2012, Solacom engineers, Marcel Rousseau and Marty Deleohardis, successfully uploaded the new upgrade which addressed this issue.

8. Transfer Calls Between Hilo PSAP and Maui PSAP -- In the month of June 2012, there were two (2) 9-1-1 call incidents whereby the 9-1-1 call was received by the Hilo PSAP but could not be transferred successfully to the Maui PSAP.

Both the Maui County PSAP and Hawai'i County PSAPs continue to monitor the transfer of 9-1-1 calls between the islands. This is of major concern since it directly impacts the PSAP's ability to respond to emergency calls and puts Public Safety at risk.

No further occurrences were reported in July 2012.

Unfortunately, there were two (2) reported incidents of dropped 9-1-1 calls in the month of August 2012.

On September 5, 2012, HTI reported that feedback had been received from Cedric Apaka of Verizon Wireless concerning the off island calls routing to the Maui and Hawaii PSAPs which are being disconnected during the transfer. The call setup may be marginal in some areas and a reason for a higher percentage of calls overall being picked up by off island cell sites. According to HTI, this is especially true if the customer had not turned on the roaming feature of their handset, which would keep it in the coverage only available by the Verizon network.

On September 8, 2012, another disconnected 9-1-1 call incident was reported. The 9-1-1 call was from a Verizon customer in Kanaio. The 9-1-1 call was disconnected during the transfer from the County of Hawai'i Fire Dispatch. The County of Hawai'i Fire Dispatcher remained on the line and was able to pass additional information to Maui Dispatch so the 9-1-1 caller could be called back. The incident was reported to both HTI and Verizon Wireless for review and investigation.

On September 12, 2012, Cedric Apaka of Verizon Wireless attempted a test call from the Big Beach area on Maui to test if the call would route from a Big Island tower so he could re-create the "disconnect" problem between the Islands. Mr. Apaka was unable to re-create the call between the islands of Maui and Hawai'i due to the equipment on hand. Arrangements will be made for additional testing and monitoring.

Hawai`i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai`i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

8. Transfer Calls Between Hilo PSAP and Maui PSAP (continued)

During the month of November 2012, it was reported by dispatchers that there have been other occurrences of dropped calls. Unfortunately, these calls were not documented or call information saved for further investigation. Maui Dispatch was operating from their alternate site during the last weeks of November and therefore was not able to produce or provide the call data.

No further occurrences have been reported as of December 31, 2012.

9. 9-1-1 Calls With No Audio and No ANI/ALI Information – These are old issues that have resurfaced. Sergeant Ing reported that from June 22 – 23, 2012, the Hawaii County PSAP received numerous calls with no audio, no ANI/ALI information, and “00” in the call leg field. According to HTI, these three (3) instances of trouble “all occurred on the same trunk group which was set to sequential hunting, meaning that events prior to the Central Office would hunt and not appear on the same channel of the hunt group at the Solacom. Also, any valid call should have ANI.” HTI reported that no maintenance had been scheduled and no alarms were received on the trunk groups. HTI believed that the trunks may have taken a “hit” which they were not able to identify in the historical data. HTI also believed that the calls were not valid and were caused by abnormal network occurrences. As such, HTI recommended additional testing.

On June 28, 2012, a conference with HTI was held to discuss this issue. It was discovered that an additional two (2) two-line rotary trunk groups were added to each of the Solacom switches for mainland alarm companies to route calls through. Traditionally, mainland alarm companies purchase a remote call forwarding (RCF) number from Hawaiian Telcom. With the implementation of Solacom, these mainland originating calls produce an “ANONYMOUS” call window in the Solacom equipment with no ANI information. To fix this problem, HTI installed a work around and provided the PSAPs with a diagram for future reference.

No further occurrences have been reported as of December 31, 2012.

10. Call History From a Previous Call Does Not Populate the CAD – This issue has not been resolved.

With the Plant/CML platform, when a previous call was “recalled” from the system, the call information such as name, telephone number and address would re-populate in the Intergraph CAD system.

As of July 25, 2012, it was reported to the County of Hawai`i Police PSAP that HTI initiated a change request to Solacom to resolve this issue. It was reported that this functionality will be added and included into the Solacom Release 11 scheduled for October 2, 2012.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai'i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

10. Call History From a Previous Call Does Not Populate the CAD (continued)

Subsequently, HTI requested a meeting with the County of Hawai'i Police PSAP and Solacom to discuss the change request on the listed issue. All outstanding issues requiring change requests had been prioritized by the County of Hawai'i Police PSAP as important and should be fixed right away. Both HTI and Solacom would like to discuss the schedule. The meeting date is pending travel plans by representatives of Solacom.

A meeting date still has not been scheduled by HTI as of November 30, 2012.

On December 10, 2012, Solacom engineers, Marcel Rousseau and Marty Deleohardis, successfully uploaded the new upgrade which addressed this issue.

11. Background Ringing on Incoming Calls at the Secondary PSAP – It was reported by HTI that Solacom identified the cause of the background ringing on random calls at the secondary PSAP (Fire). A software patch is being developed and expected by August 6, 2012.

A Solacom software patch that would address this issue was downloaded on August 20, 2012. A thirty-four (34) step test plan was used to monitor if there was background ringing. Test calls were placed to the County of Hawai'i Police and Fire PSAPs. There were no noticeable occurrences of background ringing.

HTI advised the County of Hawai'i Police and Fire PSAPs on August 21, 2012 that two other issues were addressed by this Solacom software patch:

- 1) The ALI query button is now available when you first log in to the Solacom environment. Previously, it would only become available after the first call landed at the position.
- 2) The random blank CAD spills were also identified by Solacom as being corrected.

There is still a need for a change request to address the GIS system from getting an end of call message to clear the mapping information at the end of the call.

No further occurrences have been reported as of December 31, 2012.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai'i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

12. Calls Unable to be Answered – The County of Hawai'i Police PSAP reported that they were unable to answer 9-1-1 calls from the Puna, Kona, and South Kohala/Hamakua positions. HTI reported that the 9-1-1 calls were “phantom calls” and therefore could not be answered. As a precaution, those positions were re-booted, with no further trouble. Solacom is investigating the situation.

Unfortunately, additional occurrences surfaced on September 25, September 28 and September 29, 2012 which were reported to HTI and Solacom. An upgrade was initially scheduled for October 1, 2012 to resolve the issue, however, due to frequency of the incidents, Sergeant Ing authorized an earlier installation of the upgrade. HTI and Solacom successfully installed the upgrade on September 30, 2012. There have been no further incidents reported however the situation will continue to be monitored.

13. Positions Busied Out and/or Logged Out – The County of Hawai'i Police PSAP reported that over the August 11 – 12, 2012 weekend and due to short staffing, the “outside positions” (Supervisor, Screener and Calltaker) was busied out from 0315 – 0330 hours on August 12, 2012. Callers trying to reach 9-1-1 during this period were receiving a busy signal.

Sergeant Ing tested the three (3) “outside positions” by “busying out” and “logging out” and confirmed that indeed callers are reaching a busy signal. Sergeant Ing notified HTI about the condition, and asked why these callers were not transferred to the “inside positions” (Puna, South Kohala, Kona and Hilo). HTI informed the County of Hawaii Police PSAP on August 14, 2012, that the “outside position” queue was a ring all condition with no failover route. A failover route is an alternate route that the 9-1-1 equipment will route calls if the primary route is unavailable.

It was further explained by HTI that regardless of a busy or logged out condition, the queue would react the same, and deliver a busy signal to incoming callers, without this failover route. HTI recommended that the County of Hawai'i Fire PSAP be established as the failover route if all Solacom positions are busied out and/or logged out at the County of Hawai'i Police PSAP.

Based on HTI's response and recommendation, the County of Hawai'i Police PSAP questioned this because the old Plant/CML system was able to hold calls in a queue if all “outside positions” were busied out. A precautionary message would also be given if a position was the last one busying out or logging out. On August 16, 2012, HTI responded that the Solacom “outside position” queue looks for the next available call in the ACD configuration selected. If there is no failover route selected and all Solacom positions are busied out or logged out, 9-1-1 callers would receive a busy signal. Given the response, the County of Hawai'i Police PSAP issued a memo to all dispatchers, informing them that all “outside positions” can never be busied out or logged out at the same time.

This is still an outstanding issue as a queue with a recording would require a change request.

Hawai`i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai`i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

13. Positions Busied Out and/or Logged Out (continued)

HTI requested a meeting with the County of Hawai`i Police PSAP and Solacom to discuss the change request on the listed issue. All outstanding issues requiring change requests had been prioritized by the County of Hawai`i Police PSAP as important and should be fixed right away. Both HTI and Solacom would like to discuss the schedule. The meeting date is pending travel plans by representatives of Solacom.

A meeting date still has not been scheduled by HTI as of December 31, 2012.

14. Scheduled Maintenance

On September 17, 2012, Hawaiian Telcom and Solacom scheduled a maintenance upgrade with the County of Hawai`i PSAPs. The upgrade was to correct the issue with the incorrect call status in the tenant status window. The upgrade required the re-routing of 9-1-1 traffic to the white phones but no software to the individual positions.

The upgrade was successfully completed and the correct call status now appears in the tenant status window. This issue is considered closed.

15. Re-location of Hawai`i County Fire Department

On October 27, 2012, the Hawai`i County Fire Dispatch re-located to their back up location at the East Hawaii Civil Defense Building due to the tsunami warning. During the re-location, 9-1-1 calls for Fire and EMS were transferred to the 7-digit numbers at Civil Defense. During this period, 9-1-1 calls transferred to Fire/EMS were dropping when the call taker released the call to Fire/EMS lines.

A workaround process was developed to conference all calls, which unfortunately tied up police dispatchers.

The trouble was reported to HTI. According to HTI, the trouble was isolated to a perimeter change which caused some lines not to properly release the calls. The perimeter issue was corrected and tested. Additional testing was completed on October 29, 2012 to ensure that 9-1-1 calls could be successfully transferred to a 7-digit number without disconnecting.

On November 30, 2012, it was reported by HTI that Solacom representatives will be on-site the week of December 10, 2012 to install Release 11 which should resolve this problem.

On December 10, 2012, Solacom engineers, Marcel Rousseau and Marty Deleohardis, successfully uploaded the new upgrade which addressed this issue.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

County of Hawai'i Conversion to NG9-1-1 Enabled Solacom Platform Update – As of December 2012 (continued)

16. Transfer Call Between Hilo PSAP and Honolulu PSAP – On December 10, 2012, it was reported that a Hilo Police Dispatcher was unable to transfer a call to the Honolulu Police queue at Kapolei. The first call was successfully transferred. However, when the 9-1-1 caller called back and requested a second transfer, the transfer was not successful and the dispatcher received a message that “the CML was not available”. Repeated attempts were made unsuccessfully. The 9-1-1 caller was referred to the Honolulu Police non-emergency line at 808-529-3111.

Implementation of the Hawaiian Telcom, Inc. (HTI) Solacom Next Generation 9-1-1 (NG9-1-1) enabled ESInet system has affected the County of Hawai'i PSAP operations. As such, the County of Hawai'i PSAPs are concerned as to what the exit plan will be from Solacom and the ongoing maintenance level that can be expected from Solacom while the County of Hawai'i is still operating on the Solacom system.

- **MSAG**

Current Month – December 2012

2012		9-1-1NET REQUESTS										In Suspended Status as of Report Month End (c)	
		MSAG TRANSACTIONS							ALI TRANSACTIONS				
PSAP	TOTAL	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected	County Address Change Request (TN CR) Submitted (a)	ALI Discrepancy (ALI-DR) Submitted (b)	# of Transactions	TNs Affected	
HAWAII	466	465	349	8	78	17	13	4,920	0	1	0	0	

Revised categories and report format changes effective May 2012.

During the month of December 2012, 465 9-1-1Net requests were completed relating to the MSAG database, with 4,920 customer ANI/ALI records updated as a direct result. One (1) ALI-DR transaction was submitted to 9-1-1Net for updates and corrections, as needed. See attached spreadsheet for a detailed description of changes and additions.

There are no records in Suspended status as of December 31, 2012.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **MSAG (continued)**

Year-to-Date (YTD) Summary – 2012

HAWAII COUNTY		9-1-1NET REQUESTS									In Suspended Status as of Report Month End (c)	
		MSAG TRANSACTIONS						ALI TRANSACTIONS				
2012	TOTAL	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected (*)	County Address Change Request (TN CR) Submitted (a)	ALI Discrepancy (ALI-DR) Submitted (b)	# of Transactions	TNs Affected
December	466	465	349	8	78	17	13	4,920	0	1	0	0
November	1,765	1,705	1,596	17	17	24	51	31,976	44	16	1	1
October	1,057	1,046	957	15	24	13	37	3,178	8	3	1	1
September	791	754	673	15	16	19	31	24,836	35	2	1	1
August	789	780	736	2	22	12	8	12,107	4	5	3	3
July	730	509	392	12	17	17	71	6,517	221	3	5	5
June	453	408	259	34	30	33	52	2,899	39	6	5	5
May	428	259	179	7	21	16	36	5,530	158	11	8	8
April	444	361	225	17	36	23	60	7,591		83	8	8
March	348	72	33	6	2	27	4	292		276	11	25
February	337	226	142	7	17	49	11	8,574		111	21	37
January	203	60	32	0	3	23	2	298		143	40	75
TOTAL YTD	7,811	6,645	5,573	140	283	273	376	108,718	509	660		
AVG PER MO	651	554	464	12	24	23	31	9,060	64	55		

(*) Applies to Change Request Category Only

Note: Revised categories and report format changes effective May 2012 with new Intrado TN CR functionality.

Definitions:	(a)	Represents address corrections on a specific TN or group of TNs.
	(b)	Represents ALI Discrepancies discovered during a 9-1-1 call. These record corrections are treated with a higher urgency.
	(c)	Represents what is in suspension status at the end of the report month -- awaiting further action by County, Telco, or Akimeka.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **MSAG (continued)**

Emergency Service Number (ESN) Project Status – December 2012 Year-to-Date (YTD)

County	Total # of Street Segments	# of Street Segments Assigned New ESNs	% Complete
Hawaii	4,243 (*)	4,243	100.0%

(*) The initial "# of Street Segments" of 4,500 was an estimated number. As the ESN project progressed, the total "# of Street Segments" decreased as edits were performed. A revised count of Street Segments that were assigned new ESNs was 4,243.

The ESN project was done on a per street segment basis. Street segments require research in both 9-1-1Net and Hawai'i County GIS before a new ESN can be assigned. Verifying a street segment's address range and community prevents ESN overlapping and mislabeling. Once the street segment is verified in both MSAG and GIS – to ensure database synchronization – a request to update the ESN field in 9-1-1Net is sent.

As of December 31, 2012, the ESN project for the County of Hawai'i has been completed as scheduled – **100.0% Complete**.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- Mapping Layers Updated/Loaded Into GIS

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Address Points	12/21/12		Performed a monthly update on the Address Points layer
		12/20/12	
	12/19/12		Added one (1) address per Time Warner Cable
	12/17/12 -- 12/18/12		575 addresses were added as a result of the MSAG ALI report compare. This is an ongoing project.
	12/06/12		285 addresses were added as a result of the MSAG ALI report compare. This is an ongoing project.
		12/04/12	
	12/03/12		Filled in information for VESN and WESN for all address points
		11/27/12	
	11/15/12 -- 11/16/12		Performed a monthly update on the Address Points layer
		11/13/12	
	11/02/12		Updated FULL_ADD field
	10/31/12		
	10/30/12		Added MCOMM, MUN, FULL_ADD information
		10/23/12	
	10/15/12 -- 10/18/12		Performed a monthly update on the Address Points layer
		10/09/12	
	10/05/12		Updated and corrected data
	09/27/12		Edited address names
	09/26/12		Changed thirty-three (33) addresses from Kekoa Camp Rd to Kekoa Camp Loop
		09/25/12	
	09/17/12 -- 09/19/12		Added Common Names for Police Stations, Post Offices, Schools, and Waste Water Plants
		09/11/12	
	09/10/12		Added new Mile Markers
	09/04/12		Added Common Names for Lodging
	08/31/12		Added Common Names for Hospitals
	08/30/12		Added Common Names for Government Buildings
	08/28/12		Added Common Names for Gas Stations
		08/21/12	
08/20/12		Added Common Names for Restaurants	
08/13/12		Added Fire Stations to Common Names	
08/10/12		Added Emergency Shelters to Common Names	
	08/07/12		
08/01/12		Added Common Name for Churches	

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Address Points (continued)	07/31/12		Corrected spatial location of an address point
		07/24/12	Added Common Name for several churches.
	07/16/12		Performed and completed monthly update
		06/26/12	
		06/12/12	
	05/31/12		Added the Common Name "Kona Community School - Adult" to 745000 Puohulihuli Street
		05/22/12	
	05/14 /12 -- 05/17/12		Corrected data to meet Intergraph CAD requirements
	05/11/12		Changed MCOMM for 770968 Waiaea Road from Keauhou to Kailua Kona
	05/08/12	05/08/12	Added Kukio Golf Course as a Point of Interest (POI) address point
	05/03/12 -- 05/07/12		Moved address points to the center of the buildings in corrected parcels
		04/24/12	
	04/20/12		Completed monthly update
	04/16/12		Shifted address point to correct parcel
		04/04/12	
	03/28/12 -- 03/29/12		Corrected address points to meet Intergraph requirements
	03/26/12 -- 03/27/12		Moved address points to center of building in Kamuela Community (100% complete)
	03/22/12 -- 03/26/12		Moved address points to center of building in Waikoloa Community (100% complete)
		03/20/12	
	03/16/12		Moved address points to center of building in Kailua Kona Community (55% complete)
		Moved address points to center of building in Hawi and Kapaa Communities (100% complete)	
03/14/12 -- 03/21/12		Moved address points to center of building in Kona Community (100% complete)	
03/13/12		Moved address points to center of building in Honokaa Community (100% complete)	
03/12/12		Moved address points to center of building in Holualoa, Kealakekua, and Keauhou Communities (100% complete)	
03/09/12		Moved address points to center of building in Captain Cook and Honaunau Communities (100% complete)	

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Address Points (continued)	03/08/12		Moved address points to center of building in Captain Cook Community (65% complete)
			Moved address points to center of building in Pahoa and Paauhua Communities (100% complete)
	03/07/12		Moved address points to center of building in Laupahoehoe and Paaulio Communities (100% complete)
	03/06/12	03/06/12	Moved address points to center of building in Ocean View and Ookala Communities (100% complete)
	03/05/12		Moved address points to center of building in Ocean View Community (75% complete)
			Moved address points to center of building in Naalehu Community (100% complete)
	03/02/12		Moved address points to center of building in Pahoa Community (65% complete)
			Moved address points to center of building in Ninole, Pahala, and Papaaloa Communities (100% complete)
	03/01/12		Moved address points to center of building in Hakalau, HVNP, Pekeekeo and Volcano Communities (100% complete)
	02/29/12		Moved address points to center of building in Pekeekeo Community (75% complete)
			Moved address points to center of building in Honomu Community (100% complete)
	02/28/12		Moved address points to center of building in Papaikou Community (100% complete)
	02/22/12		Added Common Names for critical infrastructure points
	02/06/12 -- 02/27/12		Moved address points to center of building in Hilo Community (100% complete)
	02/02/12 -- 02/06/12		Moved address points to center of building in Mountain View Community (100% complete)
	01/30/12		Moved address points to center of building in Mountain View Community (10% complete)
	01/26/12 -- 01/30/12		Moved address points to center of building in Kurtistown Community (100% complete)
	01/24/12 -- 01/26/12	01/24/12	Moved address points to center of building in Keaau Community (100% complete)
	01/20/12		Created POI points within the Address Points layer for housing projects that did not have an address
			Added common names to several housing projects
01/18/12 -- 01/19/12		Performed monthly updates on address points	

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Address Points (continued)	01/17/12		Spatially corrected address points to the center of the buildings
	01/13/12		Moved address points to the center of the buildings
	01/12/12		Corrected two address points to the new county street name
Emergency Callboxes	09/26/12		Updated locations of five (5) callboxes along Saddle Road using GPS points
		08/21/12	
	08/09/12		Updated and corrected data
Fire Beats (Includes Medic Beats)	12/04/12		Edited coastline
	11/01/12		Updated coastline to match new Parcels layer
	09/20/12		Updated and corrected data
	05/10/12 -- 05/11/12		Edited boundaries to follow Street Centerlines. Edited boundary adjustments to Beat 11, per Battalion Chief Gahan.
Fire Districts (Includes Medic Districts)	12/04/12		Edited coastline
		11/13/12	
	11/01/12		Updated coastline to match new Parcels layer
	09/20/12		Updated and corrected data
	05/10/12 -- 05/11/12		Edited boundaries to follow Street Centerlines. Edited and merged Beat 1 into Beat 11, per Battalion Chief Gahan.
Fire Response Areas	12/04/12		Edited coastline
		11/13/12	
	11/01/12		Updated coastline to match new Parcels layer
		05/22/12	
	05/10/12		Edited boundaries to follow Street Centerlines. This is an ongoing project.
Fire Stations		08/21/12	
	08/13/12		Updated and corrected data
Major Roads		09/25/12	
	09/13/12		Added highway number information
		09/11/12	
	09/05/12		Updated and corrected data
		05/08/12	
	05/01/12		Edited the Major Roads to match the Street Centerlines layer
	03/27/12		

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
MSAG Address Points (aka Pseudo Address Points)		03/06/12	
	03/05/12		
	03/01/12		
	02/23/12 -- 02/24/12		
	01/19/12 -- 01/30/12	01/24/12	
MSAG Communities (aka Towns)		12/04/12	
	11/28/12		Corrected community boundaries
		11/13/12	
	11/09/12		Edited boundary between Kailua Kona and Holualoa
	11/07/12		A new street segment was added to the Street Centerlines so an adjustment to the boundary between Pahala and Naalehu Communities was necessary
	11/01/12		Updated coastline to match new Parcels layer
	10/30/12		Edited community boundaries
		10/23/12	
	10/18/12		Edited boundary between Naalehu and Pahala
	10/01/12		Updated and corrected data
		09/11/12	
	09/10/12		Edited community boundary
		05/22/12	
		05/08/12	
05/07/12 -- 05/11/12		Edited boundaries to follow Street Centerlines. This is an ongoing project.	
Medic Response Areas	N/A for Hawaii County		
Medic Stations	09/07/12		Updated and corrected data
Milepost Markers	09/26/12		Updated locations of existing and added new milepost markers between miles 35 and 42 along Saddle Road using GPS points
		09/11/12	
	09/10/12		Updated and corrected data

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Points of Interest		12/20/12	
	12/18/12		Added two (2) subdivisions and four (4) helipads
		11/13/12	
	11/08/12		Removed duplicates
	11/02/12		
		10/09/12	
	10/04/12		Added WalMart in Hilo
	09/18/12 -- 09/20/12		Added Post Offices, Schools, Subdivisions, Waste Water Plants, and Waterfalls
	09/17/12		Added eight (8) Police Stations. Updated and corrected data.
		09/11/12	
	09/04/12 -- 09/13/12		Added two (2) hotels and added one (1) park. Edited Medic Stations.
	08/31/12		Added six (6) Hospitals
	08/30/12		Added fifty (50) Government Buildings
	08/28/12		Added three (3) Gas Stations
		08/21/12	
	08/20/12		Added new Food & Beverage records and removed old ones
	08/13/12		Added Fire Stations
	08/10/12		Added eight (8) Emergency Shelters
	08/08/12		Added Emergency Callboxes
		08/07/12	
	08/02/12		Added nine (9) Coastal Names
	08/01/12		Added Churches
	07/31/12		Added Bridges to POI
	07/24/12		
07/19/12		Added twelve (12) airports and airstrips	
07/11/12		Added point for Nani O Puna Apartments	

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Points of Interest (continued)	06/04/12		Edited fields in order to standardize POI layers across all State of Hawaii PSAPs
		05/22/12	
	05/18/12		
		03/20/12	
	03/13/12		Updated Sub-classification Type
	03/12/12		Added Harbors
		03/06/12	
	02/28/12		Added Government Buildings
	02/21/12		Added Critical Infrastructure
	02/09/12		Added Harbors, Wharfs, Landings, and Boat Ramps
	01/27/12		Added point for Grace Community Church
Police Beats	12/04/12		Edited coastline
		11/13/12	
	11/01/12		Updated coastline to match new Parcels layer
	10/01/12		Updated and corrected data
Police Districts	12/04/12		Edited coastline
		11/13/12	
	11/01/12		Updated coastline to match new Parcels layer
	10/01/12		Updated and corrected data
Police Response Areas	12/04/12		Edited coastline
		11/13/12	
	11/01/12		Updated coastline to match new Parcels layer
	10/30/12		Corrected boundaries
	10/01/12		Updated and corrected data
Police Stations	09/17/12		Updated and corrected data
Schools	09/19/12		Updated and corrected data
Street Centerlines	12/20/12	12/20/12	Changed range to 0-0 for MSLINK 999996
	12/04/12	12/04/12	Corrected an overlapped range and notified the County of the error
			Edited Hawaii Belt Rd at the MSAG Community boundary
	12/03/12		Filled in information for VESN and WESN for all street centerlines

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines (continued)	11/29/12		Added two (2) street segments to Crater Rim Rd
	11/28/12		Corrected geometry of Captain Cook Rd to match Hawaii County's
	11/26/12 -- 11/28/12		Updated new ESNs to the Street Centerlines layer
	11/27/12	11/27/12	Ran topology and made two (2) corrections
	11/26/12		Corrected community information
	11/21/12		Edited MSAG Community for Kaalaiki Rd
	11/15/12		Performed and completed monthly update on Street Centerlines layer
		11/13/12	
		10/23/12	
	10/15/12 -- 10/16/12		Performed and completed monthly update on Street Centerlines layer
	10/12/12		Updated and corrected data
		10/09/12	
	10/05/12		Updated and corrected data
	09/26/12		Updated location of Ane Keohokalole Hwy in Kailua Kona using GPS points
		09/25/12	
		08/21/12	
		07/24/12	
	07/16/12		Performed and completed monthly update
		06/26/12	
		06/12/12	
	06/08/12		Corrected the MSAG Community for two (2) street segments
		05/22/12	
	05/17/12		Made corrections to meet Intergraph CAD requirements
		05/08/12	
	05/03/12		Corrected errors identified in the Intergraph CAD error report
	05/01/12		Adjusted the alignment of the Street Centerlines to follow Pictometry imagery. This is an ongoing project.
	04/25/12 -- 04/30/12		Adjusted the alignment of the Street Centerlines to follow Pictometry imagery. This is an ongoing project.
		04/24/12	

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines (continued)	04/23/12		Adjusted the alignment of the Street Centerlines to follow Pictometry imagery. This is an ongoing project.
	04/19/12		Completed monthly update
	04/18/12		Corrected issues with layer
	04/17/12 -- 04/18/12		Adjusted the alignment of the Street Centerlines to follow Pictometry imagery. This is an ongoing project.
	04/16/12		Edited community information for Nahuina Place
	04/12/12		Corrected issues with layer
	04/02/12 -- 04/16/12	04/04/12	Adjusted the alignment of the Street Centerlines to follow Pictometry imagery. This is an ongoing project.
	03/28/12 -- 03/29/12		Corrected street centerlines to meet Intergraph requirements
	03/27/12		Corrected street names
		03/20/12	
		03/06/12	
	02/21/12		Edited street ranges
	02/03/12		Changed "KULA KAI ST" TO "KULA KAI PL"
		01/24/12	
	01/20/12		Assigned an "Akimeka" name to streets that do not have a name in the county layer
01/18/12 -- 01/19/12		Performed monthly updates on street centerlines	
01/12/12		Corrected one street segment/street name to the new county street name	
01/10/12	01/10/12		
Trails	11/06/12		Updated and corrected data
WSP Cell Towers	12/21/12		Per AT&T Mobility CRS
		12/04/12	
	11/28/12		Per AT&T Mobility CRS
		11/13/12	
	11/06/12 -- 11/07/12		Per AT&T Mobility CRS

(* *Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.*

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
WSP Cell Towers (continued)		10/23/12	
	10/16/12		Per T-Mobile CRS
		10/09/12	
	10/02/12		Per VZW CRS
	10/01/12		Per T-Mobile CRS
	09/27/12 -- 09/28/12		Per AT&T Mobility CRS
		09/25/12	
	09/20/12		Per VZW CRS
		09/11/12	
	08/31/12		Per Mobi PCS CRS
		08/21/12	
	08/14/12		Per T-Mobile CRS
		07/24/12	
	07/12/12 -- 07/13/12		Per VZW CRS
		05/22/12	
	05/17/12		Per Sprint CRS
		04/24/12	
	04/18/12		Per VZW CRS
		04/04/12	
	03/29/12		Per AT&T Mobility CRS
	03/21/12		Per Mobi PCS CRS
		03/20/12	
	03/16/12		Updated Compass Orientation and Sector ID to existing sites
	03/14/12		Per AT&T Mobility CRS
	03/12/12		Per VZW CRS
		03/06/12	
	02/28/12		Per AT&T Mobility CRS
			Per VZW CRS
	02/22/12		Per VZW CRS
02/13/12		Per VZW CRS	
02/01/12		Per AT&T Mobility Annual Audit	
01/31/12		In Progress -- Per AT&T Mobility Annual Audit	
	01/24/12		
01/19/12		Per Nextel Annual Audit	
01/18/12		Per VZW, T-Mobile, and Sprint Annual Audit	
01/17/12		Per Mobi PCS Annual Audit	
01/12/12		Per VZW CRS	
	01/10/12		
01/03/12		Per VZW CRS	

(* *Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.*

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
OTHER SUPPORTING 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Churches		08/07/12	
	08/01/12		Added twelve (12) churches
	07/31/12		Updated and corrected data
		05/22/12	
	05/18/12		Removed hyphen from two (2) street names and added zip codes
	01/27/12	03/06/12	Changed address for Grace Community Church
Gas Stations		09/11/12	
	08/28/12		Updated and corrected data
	05/18/12	05/22/12	
Food & Beverage	08/14/12 -- 08/20/12	08/21/12	Updated and corrected data. This is an ongoing project.
		05/22/12	
	05/18/12		Removed hyphen from two (2) street names
Hospitals		09/11/12	
	08/31/12		Updated and corrected data
Lodging		09/11/12	
	09/04/12		Updated and corrected data
		07/24/12	
	07/11/12		Added point for Nani O Puna Apartments
	05/18/12	05/22/12	
Medical Facilities		09/11/12	
	09/06/12		Updated and corrected data
	05/18/12	05/22/12	Corrected street name and removed Hawaiian diacritical and extra space
Parcels		11/27/12	
	11/20/12		Edited parcels boundaries in Kailua Kona
		11/13/12	
	10/29/12		Completed update using new County Parcel layer
	10/23/12 -- 10/26/12		Updated using new County Parcel layer. This is an ongoing project.
	09/13/12	09/25/12	Updated and corrected data

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
OTHER SUPPORTING 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Parcels (continued)		07/24/12	
	07/02/12 -- 07/19/12		Edited parcels to overlay with the Street Centerlines. This is an ongoing project.
	06/01/12 -- 06/29/12		Edited parcels to overlay with the Street Centerlines. This is an ongoing project.
		05/22/12	
	05/10/12		Edited boundaries to follow Street Centerlines. This is an ongoing project.
		05/09/12	
		05/08/12	
Parks (Includes National Parks)	05/02/12 -- 05/29/12		Edited parcels to overlay with the Street Centerlines. This is an ongoing project.
		11/13/12	
	11/02/12		Updated coastline to match new Parcels layer
	09/17/12		Updated and corrected data
Parks Polygon	09/11/12		Updated and corrected data
		05/22/12	
	11/06/12		Updated and corrected data
Post Offices		05/22/12	
	09/18/12		Updated and corrected data
Subdivisions		12/20/12	
	12/18/12		Added two (2) subdivisions
	09/19/12		Updated and corrected data
		05/22/12	
	05/18/12		Removed an empty entry
		01/24/12	
	01/23/12		Added new housing project to the layer
DISASTER/HOMELAND SECURITY LAYERS (Listed Alphabetically)			
Airports		08/07/12	
		07/24/12	
	07/20/12		Updated and corrected data
	07/19/12		Added Waikoloa Airport
		05/22/12	
	05/17/12		Removed <Null> values

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
DISASTER/HOMELAND SECURITY LAYERS (Listed Alphabetically)			
Bridges	12/04/12		Edited the location of one (1) bridge
	07/30/12		Updated and corrected data
	05/18/12		Added MSAG Community information
Coastline	12/04/12	12/04/12	Edited to include one (1) street segment that does not belong to any parcel. This is to meet Intergraph CAD requirements.
	11/27/12		Updated coastline to match new Parcels layer
	10/31/12	11/13/12	Updated coastline to match new Parcels layer
Coastal Names		08/07/12	
	08/06/12		Corrected and added MSAG Community data
	08/02/12		Updated and corrected data
Critical Infrastructure	08/06/12 -- 08/07/12		Updated and corrected data
	02/21/12		Edited and verified locations
Emergency Operation Centers (EOC)		08/21/12	
	08/09/12		Updated and corrected data
Emergency Shelters	08/10/12		Updated and corrected data
Government Buildings		09/11/12	
	08/29/12 -- 08/30/12		Updated and corrected data. This is an ongoing project.
		03/06/12	
	02/28/12		Added Government Buildings and updated some names
Harbors	08/31/12		Updated and corrected data
	03/09/12		
	02/09/12		Made corrections to Harbor layer attributes
	02/08/12		Completed edits and updated metadata
	02/07/12		Created Harbor point layer from the State of Hawaii website -- State GIS Office of Planning and re-projected
Helipads		12/20/12	
	12/18/12		Added four (4) helipads
		11/13/12	
	11/06/12		Updated and corrected data
Hydrants			

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

HAWAII			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
DISASTER/HOMELAND SECURITY LAYERS (Listed Alphabetically)			
Hydrology Layers			
- Dams	08/08/12	08/21/12	Updated and corrected data
- Ponds	10/05/12		Updated and corrected data
	10/01/12		Updated and corrected data
- Streams (Includes Rivers)	11/06/12	11/13/12	Updated and corrected data
- Waterfalls	09/20/12		Updated and corrected data
Ocean Rescue Boundaries	11/02/12	11/13/12	Updated boundaries to match new Parcels layer
	09/12/12	09/25/12	Updated and corrected data
Ocean Safety (Includes Lifeguard Stands)	09/12/12		Updated and corrected data
Tsunami Evacuation Zones	10/01/12	10/09/12	Updated and corrected data
Tsunami Heights			
Tsunami Roadblocks			
United States National Grid (50K)			
United States National Grid (500K)			
Volcano Hazard Zones			
	09/19/12		Updated and corrected data
Waste Water Plants	02/06/12	03/06/12	New layer created to replace current layer loaded in PowerMap since the source is unknown
SPECIAL REQUESTS			
Correctional Facilities	08/03/12	08/07/12	Updated and corrected data

(* *Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.*

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Note:	Street Centerlines, Address Points and Parcels layers are provided by Hawaii County.
	Effective May 2, 2012, Akimeka spatially moved the Parcels layer to align with the Street Centerlines and Pictometry. The Parcels layer uploaded to the PSAP GIS server is intended for 9-1-1 purposes only and should not be disseminated to other County agencies.
	For the Street Centerlines and Address Points layer, effective November 25, 2009, Akimeka will compare and incorporate the County's changes into Akimeka's Street Centerlines and Address Points layers respectively.

Current Month GIS Activities – December 2012

12/01/12 -- Ongoing Akimeka continued to work on comparing the MSAG ALI report provided by HawaiianTelcom, Inc. (HTI) to Akimeka's Address Points layer. All addresses that Akimeka adds are being shared with the Hawai'i County Planning Department so they may be able to validate these addresses in their database. This will be an ongoing project.

Address Points and Street Centerlines Update Comparison

On a routine basis, upon receipt of Hawai'i County Planning Department's Address Points and Street Centerlines layer updates, Akimeka compares and incorporates any of the County's additions, changes, and deletions into the Akimeka Address Points and Street Centerlines layers. In the month of May 2012, Akimeka added a process to identify changes to the Street Segment Names which has been included in the chart below.

The Address Points and Street Centerlines layer comparative analysis was completed on the updates received from the Hawai'i County Planning Department on **December 21, 2012**. Results are as follows:

HAWAII COUNTY	Address Points Layer	Street Centerlines Layer
# of New Street Segments Added		16
# of Street Segments Removed		0
# of New Addresses Added	105	
# of Addresses Removed	6	
# of Street Segment Range Changes		17
# of Street Segment Name Changes		2
# of Address Street Name Changes	41	
# of Address Street Number Changes	22	

Note: Some Address Points have its street name and street number changed at the same time. These are counted as separate actions since these changes are needed to make the layers "9-1-1 capable" for dispatch and response.

Hawai'i County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Service Requests Transactions**

Open Service Requests – December 2012 (November 29, 2012 – December 27, 2012)

#	Date	Ticket #	Description	Category	Urgency	Comments
1	06/03/10	225	Verify addresses on Puako Beach Road	MSAG - ANI/ALI Discrepancy	Normal	Customer records were researched and update requests were sent to Sprint via Intrado and Hawaiian Telcom, Inc. (HTI). Verification of Puako Beach Road addressing information in the GIS database along with the MSAG record information will be compared. MSAG and GIS clean-up process began on 10/01/12. 141 customer telephone numbers (TNs) were submitted for update in 9-1-1Net. Currently these transactions are in "Referred" status.

Note: Open Service Requests reflect what is in pending status at the end of the report month.

Year-to-Date (YTD) Summary – 2012

HAWAII				SERVICE REQUEST CATEGORIES							
2012	TOTAL			911 Map		MSAG		Request Training		Suggestions	
	Created	Closed	Open	Created	Closed	Created	Closed	Created	Closed	Created	Closed
December	3	3	1	0	0	3	3	0	0	0	0
November	18	18	1	0	0	18	18	0	0	0	0
October	3	3	1	0	0	3	3	0	0	0	0
September	2	3	1	0	0	2	3	0	0	0	0
August	4	6	2	0	0	4	6	0	0	0	0
July	4	4	4	0	0	4	4	0	0	0	0
June	2	20	4	0	0	2	20	0	0	0	0
May	16	9	22	0	0	16	9	0	0	0	0
April	4	2	15	0	1	4	1	0	0	0	0
March	10	9	13	0	3	10	6	0	0	0	0
February	8	11	12	0	1	8	10	0	0	0	0
January	1	2	15	0	2	1	0	0	0	0	0
2011 Carryover	16	0	16	7	0	9	0	0	0	0	0
TOTAL	75	90	1	7	7	84	83	0	0	0	0

Note: Open Service Requests reflect what is in pending status at the end of the report month.

	Category	Description
Definitions:	911 Map	Mapping computer not functioning or displaying properly
	MSAG	Discrepancies with 9-1-1 MSAG addresses
	Request Training	E-911 Operations training needs
	Suggestions	Vehicle to share suggestions

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• PSAP Operations

9-1-1 Call Volume – December 2012

PSAP	Total	Wireline	%	Wireless	%
KAUAI	3,859	1,142	29.6%	2,717	70.4%

9-1-1 Call Volume – Calendar Year 2012

KAUAI		TOTAL PSAP 9-1-1 CALL VOLUME						Abandoned	
		Wireline		Wireless		Admin			
2012	Total	# of Calls	% to Total Wireline & Wireless	# of Calls	% to Total Wireline & Wireless	# of Calls	% to Total Calls	# of Calls	% Abandoned to Total
December	3,859	1,142	29.6%	2,717	70.4%	0	0.0%	938	24.3%
November	3,061	998	32.7%	2,056	67.3%	7	0.2%	596	19.5%
October	3,143	1,026	32.6%	2,117	67.3%	0	0.0%	628	20.0%
September	2,829	909	32.1%	1,918	67.8%	2	0.1%	541	19.1%
August	3,345	1,001	30.0%	2,335	70.0%	9	0.3%	727	21.7%
July	3,281	989	30.1%	2,292	69.9%	0	0.0%	663	20.2%
June	3,211	1,069	33.3%	2,142	66.7%	0	0.0%	654	20.4%
May	3,029	1,012	33.7%	1,992	66.3%	25	0.8%	639	21.1%
April	3,097	968	31.3%	2,129	68.7%	0	0.0%	703	22.7%
March	3,335	1,134	34.0%	2,198	66.0%	3	0.1%	676	20.3%
February	2,934	1,032	35.2%	1,899	64.8%	3	0.1%	655	22.3%
January	3,175	916	28.9%	2,259	71.1%	0	0.0%	669	21.1%
TOTAL YTD	38,299	12,196	31.9%	26,054	68.1%	49	0.1%	8,089	21.1%
AVG PER MO	3,192	1,016		2,171		4		674	

Note: Total Calls include Administrative calls that are not direct 9-1-1 calls.

Corrected PSAP Call Volumes for the months of September 2012 and October 2012 were provided by Hawaiian Telcom, Inc. (HTI) and reflected in the chart above.

Notes:

- (1) Total call volumes include Administrative calls. (Administrative calls = Calls made between 9-1-1 positions but are not 9-1-1 calls.)
- (2) "Abandoned" calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered.
- (3) "Abandoned" calls are included in the "Wireline" and "Wireless" counts respectively. The standard CML reports do not provide a break-out of "Abandoned" calls between "Wireline" and "Wireless" calls.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- PSAP Operations (continued)**

9-1-1 Call Volume – Year Over Year (Y/Y) Comparison -- 2012 vs. 2011

KAUAI	PSAP 9-1-1 CALL VOLUME						
	TOTAL	WIRELINE		WIRELESS		ADMIN	ABANDONED
		# of Calls	%to Total Wireline & Wireless	# of Calls	%to Total Wireline & Wireless	# of Calls	# of Calls
2008	38,291	15,230	39.8%	23,036	60.2%	25	7,499
2009	35,796	13,516	37.9%	22,143	62.1%	137	7,017
Y/Y Change	(2,495)	(1,714)		(893)		112	(482)
% Change	-6.5%	-11.3%		-3.9%		448.0%	-6.4%
2009	35,796	13,516	37.9%	22,143	62.1%	137	7,017
2010	35,544	12,767	35.9%	22,753	64.1%	24	6,958
Y/Y Change	(252)	(749)		610		(113)	(59)
% Change	-0.7%	-5.5%		2.8%		-82.5%	-0.8%
2010	35,544	12,767	35.9%	22,753	64.1%	24	6,958
2011	37,444	12,536	33.5%	24,884	66.5%	24	7,861
Y/Y Change	1,900	(231)		2,131		0	903
% Change	5.3%	-1.8%		9.4%		0.0%	13.0%
2011	37,444	12,536	33.5%	24,884	66.5%	24	7,861
2012	38,299	12,196	31.9%	26,054	68.1%	49	8,089
Y/Y Change	855	(340)		1,170		25	228
% Change	2.3%	-2.7%		4.7%		104.2%	2.9%

Total PSAP 9-1-1 Call Volumes increased by 2.3% in 2012 from 2011 -- with Wireline calls further declining by 2.7% offset by an increase in Wireless calls by 4.7%. PSAP 9-1-1 Call Volumes have increased by 7.8% since 2010. The trend also continues with an increase in Wireless calls as compared to Wireline calls.

Total Administrative calls were significantly higher in 2012. Total Abandoned calls increased by 2.9% in 2012 as compared to 2011.

Wireless Test – December 2012

Date	WSP	Sites Tested	Sectors Tested	Tested By	Test Pass/Fail
NONE					

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

Current Month PSAP Operations Activities – December 2012

Weekly (Every Friday)	<p>Kauai County, along with the other PSAPs and Akimeka, participated in the weekly conference calls (except the December 7, 2012 and December 21, 2012 conference calls which were cancelled) hosted by Hawaiian Telcom, Inc. (HTI) to review the Solacom conversion in the State of Hawai'i. There has been no significant progress or updates provided to date with regards to the Hawai'i County Solacom conversion. The focus of the conference call has shifted to the Intrado Viper solution and installation.</p> <p>HTI reported that on December 10, 2012, Solacom engineers, Marcel Rousseau and Marty Deleohardis uploaded the new Solacom upgrade at the County of Hawaii PSAPs (Police and Fire). This upgrade was intended to address some of the troubles previously reported. The upgrade was successfully tested by the Solacom engineers.</p> <p>The focus of the conference call has shifted to the Intrado Viper solution and installation.</p>
12/03/12	<p>Kauai Dispatch Supervisor, Kathleen Langtad, and Akimeka worked together to establish guidelines for monthly 9-1-1 testing from "The Point at Poipu". The hotel requested monthly testing to comply with their corporate policy.</p> <p>The Kauai County PSAP accepted the hotel's request to conduct monthly testing provided:</p> <ol style="list-style-type: none"> 1. 48 hours advance notification is provided. 2. Testing is approved by the Kauai Dispatch Supervisor, Kathleen Langtad. 3. Testing can only be scheduled Monday through Friday from 2330 hours to 0500 hours only. 4. There will be no testing on County holidays.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

Current Month PSAP Operations Activities – December 2012 (continued)

- 12/07/12 All of the State of Hawaii PSAPs received the FCC 317786A1 - Texting to 911 document. This document outlines texting to 9-1-1 on the Verizon, AT&T, Sprint and T-Mobile networks with APCO and NENA in 2014. This does not mean or infer that 9-1-1 texting will be available to all consumers in 2014; it will merely hasten the day when it becomes available.
- The agreement calls for all parties to work together to ensure a seamless introduction and implementation of texting to 9-1-1, with specific provisions to include:
1. Text to 9-1-1 service capabilities will be deployed throughout the WSP's wireless network by May 15, 2014.
 2. Bounce back notification will be sent to subscribers by June 30, 2013 when texting to 9-1-1 is available in their area.
 3. Texting to 9-1-1 progress reports will be submitted quarterly by the WSPs to APCO and NENA.
- 12/19/12 The State of Hawai'i PSAPs monthly scheduled PSAP Round Table Forum via conference call was cancelled for the month of December 2012.
- 12/20/12 The State of Hawai'i PSAPs participated in a meeting or via webinar with Hawaiian Telcom, Inc. (HTI) and Intrado to continue discussions on the Intrado Viper cutover. A presentation was provided by Tina Metivier, the Intrado Customer Team Director, outlining the Intrado Viper Next Gen 9-1-1 Project Plan. Statewide implementation is projected for the 4th quarter of 2013. Intrado and HTI are striving to implement the Intrado solution to the County of Hawai'i PSAPs (Police and Fire) as early as possible in 2013.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **PSAP Operations (continued)**

Open Issues (To be Monitored and Tracked by Akimeka)

Updates as of December 31, 2012 are noted below:

04/16/10 Akimeka personnel worked on a flowchart for the Neighbor Island PSAPs to document the flow of a Call Routing Spreadsheet (CRS) and Testing Validation Worksheet (TVW). It was discovered that different processes exist among the carriers.

Akimeka created and submitted for review a DRAFT Call Routing Sheet (CRS) and Testing Validation Worksheet (TVW) process flowchart to the Neighbor Island PSAPs on December 20, 2010.

Update (4/30/11) – Akimeka continued to work on the flowchart and incorporate the feedback received. An updated process flowchart is currently under review within Akimeka. Once approved, it will be shared with the Neighbor Island PSAPs.

Update (5/1/11 – 7/31/11) – In progress.

Update (8/31/11) – In progress. Personnel updates need to be incorporated.

Update (9/1/11 – 11/30/11) – No further updates.

Update (12/31/11) – In progress. NENA standards updates are being incorporated.

Update (1/31/12 – 12/31/12) – No further updates.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **MSAG**

Current Month – December 2012

2012		9-1-1NET REQUESTS									In Suspended Status as of Report Month End (c)	
		MSAG TRANSACTIONS							ALI TRANSACTIONS			
PSAP	TOTAL	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected	County Address Change Request (TN CR) Submitted (a)	ALI Discrepancy (ALI-DR) Submitted (b)	# of Transactions	TNs Affected
KAUAI	4	3	0	1	0	2	0	1	0	1	3	3

Revised categories and report format changes effective May 2012.

During the month of December 2012, three (3) 9-1-1Net requests were completed relating to the MSAG database, with one (1) customer ANI/ALI record updated as a direct result. One (1) ALI DR was submitted to 9-1-1Net for updates and corrections. See attached spreadsheet for a detailed description of changes and additions.

There are three (3) records in Suspended status as of December 31, 2012 affecting three (3) telephone numbers (TNs). An invalid MSAG address will result in a No Record Found (NRF) condition during a 9-1-1 call.

- Three (3) suspended records are due to the TNs being on Federal property and not having a valid address in the ALI record. Address validation requests for each customer TN were sent to the respective communications service provider. The communications respective service provider provided a TMK number for the ALI record. However, a TMK is not a valid address nor is it acceptable under current NENA guidelines and industry best practices for locating 9-1-1 callers. As a courtesy, Akimeka researched multiple databases; however, a valid address was not attached to the TMK assignment. The communications service provider is responsible for providing a valid MSAG address and for correcting the ALI record in accordance with NENA standards and the current E9-1-1 Wireline tariff.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **MSAG (continued)**

Year-to-Date (YTD) Summary – 2012

KAUAI		9-1-1NET REQUESTS										In Suspended Status as of Report Month End (c)	
		MSAG TRANSACTIONS							ALI TRANSACTIONS				
2012	TOTAL	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected (*)	County Address Change Request (TN CR) Submitted (a)	ALI Discrepancy (ALI-DR) Submitted (b)	# of Transactions	TNs Affected	
December	4	3	0	1	0	2	0	1	0	1	3	3	
November	42	2	1	0	0	1	0	1	40	0	3	3	
October	14	13	0	0	11	2	0	0	1	0	3	3	
September	78	19	0	0	3	16	0	0	59	0	5	5	
August	71	2	0	0	0	2	0	0	69	0	27	27	
July	25	2	1	0	1	0	0	7	23	0	25	25	
June	27	9	5	0	0	4	0	118	18	0	22	22	
May	28	26	21	0	1	3	1	1,696	0	2	22	22	
April	30	27	14	1	1	11	0	758		3	23	23	
March	23	21	10	0	2	8	1	115		2	18	18	
February	17	14	10	0	0	3	1	214		3	33	36	
January	23	18	5	5	3	5	0	53		5	33	36	
TOTAL YTD	382	156	67	7	22	57	3	2,963	210	16			
AVG PER MO	32	13	6	1	2	5	0	247	26	1			

(*) Applies to Change Request Category Only

Note: Revised categories and report format changes effective May 2012 with new Intrado TN CR functionality.

Definitions:	(a)	Represents address corrections on a specific TN or group of TNs.
	(b)	Represents ALI Discrepancies discovered during a 9-1-1 call. These record corrections are treated with a higher urgency.
	(c)	Represents what is in suspension status at the end of the report month -- awaiting further action by County, Telco, or Akimeka.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- Mapping Layers Updated/Loaded Into GIS

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Address Points		12/20/12	
	12/11/12		Updated one (1) address according to Kauai County's Addressing Authority
		11/29/12	
	11/20/12 -- 11/23/12		Verified new addresses against ranges
	11/19/12		Added MSAG Community and ESN data to new addresses
		11/15/12	
	11/08/12 -- 11/16/12		Added 600 addresses from the MSAG ALI report. This is an ongoing project.
	11/06/12		Added twenty-two (22) addresses from the MSAG ALI report. Corrected two (2) addresses. This is an ongoing project.
	11/02/12		Added Common Names
	10/31/12		Spatially corrected and added Common Names
		10/24/12	
	10/11/12	10/11/12	
	10/05/12		Updated and spatially corrected the data.
		09/27/12	
	09/25/12		Corrected hotel name as a Common Name
	09/19/12		Added Common Names for Schools and Waste Water Plants
	09/19/12		Removed nine (9) address points and corrected one (1) address point per Kauai's Addressing Authority
	09/18/12		Added Common Names for Post Offices
		09/13/12	
	09/07/12		Added one (1) address point
	08/27/12 -- 08/31/12		Added Common Names for Restaurants, Gas Stations, Government Buildings and Hospitals
		08/23/12	
	08/14/12		Voided and deleted two (2) address points per the Kauai Addressing Authority
		07/26/12	
	07/20/12		
		06/28/12	
	06/21/12		Assigned Street Centerline Names for address points that are Points of Interest (POI)
		06/14/12	
05/29/12		Added address point	
	05/10/12		

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Address Points (continued)	04/30/12		Added ESNs to meet GeoComm standards
		04/26/12	
	04/17/12		Updated address point ESNs attribute to match new Koloa\Poipu boundary per Kauai County PSAP
	04/13/12		Added new address to Paanau Village
		04/12/12	
	04/03/12		Added new address received from Kauai County Addressing Authority
	03/22/12		Added new address and standardized source field
		02/24/12	
	02/10/12	02/10/12	Added Common Name for Aston Aloha Beach Hotel
	01/31/12		Added TMK information to address points that were missing the TMK information Added address points for Pi'ilani Mai Ke Kai Subdivision in Anahola
	01/31/12		Added four (4) new addresses
	01/27/12		
		01/25/12	
		01/12/12	
	01/12/12		Added ESN to new address points to meet GeoComm requirements
	01/04/12 -- 01/12/12		Added address points that the Fire Department uses for camps and low income housing.
Emergency Callboxes		08/23/12	
	08/20/12		Updated and corrected data
Fire Beats		11/15/12	
	11/05/12 -- 11/06/12		Updated coastline to match new Parcels layer
	09/20/12		Updated and corrected data
		05/10/12	
	04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance
Fire Districts	11/06/12		Updated coastline to match new Parcels layer
	09/20/12		Updated and corrected data
Fire Response Areas	11/06/12		Updated coastline to match new Parcels layer
	11/05/12		
	04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Fire Stations	08/20/12		Updated and corrected data
		04/12/12	
	03/30/12		Made corrections to station numbers
Incident Response Area	11/05/12		Edited IRA boundaries
	04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance
	01/18/12		Corrected Medic name as reported by Dispatch. Sent corrected layer for GeoComm update.
Major Roads		09/27/12	
	09/13/12		
	09/05/12		Added highway number information
		02/10/12	
MSAG Communities (aka Towns)		11/15/12	
	11/06/12		Edited MSAG Community boundaries
		10/11/12	
	10/01/12		Updated and corrected data
		05/10/12	
	04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance
		03/09/12	
Medic Beats	02/24/12		Boundary for Koloa\Poipu were adjusted per PSAP guidance
	11/06/12		Updated coastline to match new Parcels layer
		05/10/12	
Medic Districts	04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance
	11/06/12 -- 11/07/12		Updated coastline to match new Parcels layer
Medic Response Areas		06/28/12	
	11/06/12		Updated coastline to match new Parcels layer
	06/27/12		Corrected Medic 21 to Lihue
Medic Stations	04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance
		09/13/12	
	09/07/12		Updated and corrected data

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Milepost Markers		09/13/12	
	09/10/12		Updated and corrected data
Points of Interest		11/15/12	
	11/02/12		Removed duplicate entries and updated Subdivisions and Government Buildings
	10/31/12		Removed duplicate entries, updated Emergency Shelters, Food & Beverage and Lodging points
		10/11/12	
	10/05/12		
	09/26/12		Corrected hotel name
	09/25/12		Removed duplicate hotel and corrected hotel name
	09/18/12 -- 09/20/12		Added Post Offices, Schools, Subdivisions, Waste Water Plants, and Waterfalls
	09/17/12		Added Police Stations and one (1) Park. Updated and corrected data.
		09/13/12	
	09/07/12		Added Medic Stations
	09/04/12		Added one (1) hotel
	08/31/12		Added two (2) Hospitals
	08/30/12		Added twenty-three (23) Government Buildings
	08/29/12		Added two (2) Gas Stations
	08/27/12		Added thirty-four (34) new Restaurants
		08/23/12	
	08/20/12		Added Emergency Callboxes
		08/09/12	
	08/03/12		Added Correctional Facilities
	07/26/12		
07/20/12			
	07/12/12		
	06/28/12		
06/21/12		Corrected a restaurant name	

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Points of Interest (continued)	06/15/12		Added plantation camps
		06/14/12	
	06/04/12		Edited fields in order to standardize POI layers across PSAPs in the State of Hawaii
	05/30/12		
		04/26/12	
	04/16/12		Edited Common Names
		04/12/12	
	04/10/12		Removed duplicate entries
	04/02/12		Moved Fire HQ point to new location
			Added point for Wal-Mart
		03/26/12	
	03/13/12 -- 03/16/12		Updated Sub-classification Type
	03/09/12	03/09/12	Added Harbors
	02/28/12		Added Government Buildings
	02/24/12		
02/10/12		Updated to include Harbors, Boat Ramps, Wharfs, Piers, and Landings	
		Corrected name for Aston Aloha Beach Hotel	
02/06/12		Created a point for the Kauai Emergency Operation Centers	
01/27/12		Added ABC Stores Kapaa	
Police Beats		11/15/12	
	11/06/12		Updated coastline to match new Parcels layer
	11/05/12		
		10/11/12	
	10/01/12		Updated and corrected data
		05/10/12	
05/04/12		Performed edits for Police Beat 150\156 boundary adjustment per Kauai County PSAP guidance	
04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance	
Police Districts	11/06/12		Updated coastline to match new Parcels layer
	11/05/12		
	10/01/12		Updated and corrected data
	04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Police Response Areas	11/06/12		Updated coastline to match new Parcels layer
	11/05/12		
	10/01/12		Updated and corrected data
		05/10/12	
	05/04/12		Performed edits for Police Beat 150\156 boundary adjustment per Kauai County PSAP guidance
	04/17/12		Performed edits for Koloa\Poipu boundary adjustment per Kauai County PSAP guidance
Police Stations	09/17/12		Updated and corrected data
Schools	09/19/12		Updated and corrected data
Street Centerlines		11/29/12	
	11/19/12		Corrected ranges according to new address points added
		11/15/12	
	11/14/12		Extended range to fit new addresses
		10/24/12	
	10/12/12		Updated and corrected data
		10/11/12	
	10/05/12		Updated and corrected data
		09/13/12	
	09/07/12		Added a new street and range
	08/29/12		Corrected ranges
		06/28/12	
	06/21/12		Extended range to fit address points
		06/14/12	
	06/01/12		Named and ranged Street Centerlines
	05/31/12		Named and ranged Street Centerlines in multiple camps
		05/10/12	
	04/27/12		Assigned ranges to the Street Centerlines and corrected street names in the Kukuiula Development using data received from the Kauai County Engineering Division
		04/26/12	
	04/23/12 -- 04/24/12		Updated address ranges for camp sites
04/19/12		Updated address ranges	
04/17/12		Adjusted Street Centerline ESNs attribute to match new Koloa\Poipu boundary adjustment per Kauai County PSAP guidance	
04/13/12		Updated street range for Paanau Road	
	04/12/12		
04/10/12		Corrected street name	

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Street Centerlines (continued)	03/30/12	03/09/12	Updated street ranges
	03/01/12	02/10/12	Added new street segments for roundabout
	02/09/12		Edited geometry of two streets using data received from the County
	02/07/12 -- 02/09/12		Updated ranges for Poipu Beach Estates
	02/02/12		Updated ranges for Mahua Street
	01/31/12		Assigned ranges according to the address points
	01/27/12	01/12/12	
	01/03/12		Updated PMRF speed limits
	Trails		11/15/12
WSP Cell Sectors (Polygon)	11/06/12		Updated and corrected data
	10/16/12		Per AT&T Mobility CRS
	10/15/12		Per T-Mobile CRS
	09/28/12		Per AT&T Mobility CRS
	07/02/12 -- 07/03/12		Per AT&T Mobility CRS
	06/28/12		VZW Audit
WSP Cell Towers (Points)		11/29/12	Added Sector IDs for all site records
	11/28/12		Updated sectors for VZW sites
		11/15/12	
	11/06/12		Per T-Mobile CRS
		10/24/12	
	10/16/12		Per AT&T Mobility CRS
	10/15/12		Per T-Mobile CRS
		10/11/12	
	09/28/12		Per AT&T Mobility CRS
	08/30/12		Added ESNs to all sites for all WSPs
		07/12/12	
	07/02/12 -- 07/03/12		VZW Audit
		06/28/12	
	06/26/12		Per VZW CRS
		05/24/12	
05/18/12		Updated communities and latitude/longitude to various cell towers and validated the locations of all sites	
	05/15/12		

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI				
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks	
	Date Created/Edits Performed			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
WSP Cell Towers (Points) (continued)		03/09/12		
	02/27/12			
		02/10/12		
	02/08/12		AT&T Mobility Annual Audit	
	02/07/12			Mobi PCS Annual Audit
				Nextel Annual Audit
				Sprint Annual Audit
	02/06/12		T-Mobile Annual Audit	
02/03/12		VZW Annual Audit		
01/12/12		01/12/12	Updated Beam Width for existing site	
01/03/12			Per VZW CRS	
OTHER SUPPORTING 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)				
Churches		08/09/12		
Gas Stations		09/27/12		
	09/14/12		Updated and corrected data	
		09/13/12		
	08/29/12		Updated and corrected data	
Food & Beverage		11/15/12		
	10/31/12		Added location distinction to businesses with multiple sites	
		09/13/12		
	08/22/12 -- 08/27/12		Updated and corrected data. This is an ongoing project.	
	06/21/12	08/23/12	Corrected a restaurant name	
Hospitals		09/13/12		
	08/31/12		Updated and corrected data	
Lodging		11/15/12		
	10/31/12		Added two (2) condominiums	
		10/11/12		
	10/05/12		Corrected data	
		09/27/12		
	09/26/12		Corrected hotel name	
	09/25/12		Removed duplicate hotel and corrected hotel name	
		09/13/12		
09/04/12		Updated and corrected data		
	02/24/12			
	02/10/12		Added point for Aston Aloha Beach Hotel	
Medical Facilities		09/13/12		
	09/06/12		Updated and corrected data	

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
OTHER SUPPORTING 9-1-1 PUBLIC SAFETY LAYERS (Listed Alphabetically)			
Parcels		09/27/12	
	09/13/12		Updated and corrected data
		05/10/12	
	04/30/12		Edited parcel attributes for new and existing parcels
		04/26/12	
	04/24/12 -- 04/25/12		Updated new parcel attributes
	04/13/12		
			04/12/12
	03/28/12		Completed geometry changes on the Parcels layer provided by the County to Akimeka's layer. A request was sent to the County to provide parcel attributes to complete the project. This is an ongoing project.
		03/26/12	
	03/12/12 -- 03/27/12		Included changes made on the Parcels layer provided by the County to Akimeka's layer. This is an ongoing project.
Parks	09/13/12		Updated and corrected data
Parks Polygon	11/06/12		Updated and corrected data
Post Offices	09/18/12		Updated and corrected data
Subdivisions		11/15/12	
	11/02/12		Added Hawaii State Housing projects
	09/18/12		Updated and corrected data
			06/28/12
	06/15/12		Added plantation camps
DISASTER/HOMELAND SECURITY LAYERS (Listed Alphabetically)			
Airports		08/09/12	
	08/07/12		Added two (2) airstrips from data found on the Statewide GIS website
		07/26/12	
	07/20/12		
Bridges		08/09/12	
		07/26/12	
	07/20/12		
Coastline		11/15/12	
	11/06/12		Updated and corrected data. Updated coastline to match new Parcels layer.

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

• **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/ Edits Performed		
DISASTER/HOMELAND SECURITY LAYERS (Listed Alphabetically)			
Coastal Names		08/09/12	
	08/07/12		Corrected the name of the channel between Oahu and Kauai and added the name for the channel between Kauai and Niihau
Communications			
Emergency Shelters	10/31/12		Corrected shelter names and updated list
	08/20/12	08/23/12	Updated and corrected data
Emergency Operation Centers (EOC)	08/20/12		Updated and corrected data
	02/06/12		Created new layer
Government Buildings	11/02/12		Added and corrected some Hawaii State Housing projects
	08/30/12		Updated and corrected data
	02/28/12		Created new layer
Harbors	08/31/12		Updated and corrected data
	02/10/12		Updated attributes and removed special characters and undercases
	02/08/12		Completed edits and updated metadata
	02/07/12		Created Harbors point layer from the State of Hawaii website -- State GIS Office of Planning and re-projected
Helipads	11/06/12		Created new layer
Hydrants			
Hydrology Layers			
- Dams		08/09/12	
	08/06/12 -- 08/07/12		Validated data
- Ponds		10/11/12	
	10/05/12		Updated and corrected data
	10/01/12		Updated and corrected data
	02/08/12		Made corrections and updates to layer
	02/07/12		Edited and updated metadata
	02/06/12		Obtained layer from the State of Hawaii website. Added names and updated metadata.
- Streams (Includes Rivers)		11/15/12	
	11/06/12		Updated and corrected data
- Waterfalls	09/20/12		Updated and corrected data

(*) Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

Calendar Year Summary 2012 (Includes December 2012 Activity)

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

KAUAI			
Type of Layer	Akimeka GIS Server	Date Loaded Into PSAP GIS Server	Other/Remarks
	Date Created/Edits Performed		
DISASTER/HOMELAND SECURITY LAYERS (Listed Alphabetically)			
Ocean Rescue Boundaries		09/13/12	
	09/12/12		Updated and corrected data
Ocean Safety (Includes Lifeguard Stands)	09/12/12		Updated and corrected data
	03/09/12		Updated metadata for layer
	03/07/12		Identifies County beach lifeguard stands
Tsunami Evacuation Zones		10/11/12	
	10/01/12		Updated and corrected data
Tsunami Heights			
United States National Grid (50K)			
Waste Water Plants	09/19/12		Updated and corrected data
	02/06/12		Created new layer
SPECIAL REQUESTS			
KCC Building Outline			
KCC Callboxes			

() Every time the GIS Update tool is used, Indexes and Cache have to be built. The Positron system configurator is adjusted every time a layer is loaded in the PowerMap database. Each PSAP position is updated accordingly.*

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

Current Month GIS Activities – December 2012

- 12/06/12 A PowerMap upload was not performed as scheduled since there were no layers with updates.
- 12/31/12 Akimeka has not received a response to its inquiry to obtain updated data for the Communications and Fire Hydrants layers as of December 31, 2012.

Kauai County E9-1-1 Status Report December 1, 2012 – December 31, 2012

- **Mapping Layers Updated/Loaded Into GIS (continued)**

CAD GIS Upload Process

Akimeka made all of the necessary corrections to their data and re-submitted the Geofiles to TriTech on November 6, 2012. Charles Leonard reported that he encountered issues while importing the updated Geofiles. Charles will submit these issues to the TriTech product management team and cross functional team for review.

Updated data was not loaded onto the Kauai County GeoComm computer due to an issue with the GeoSync Server. Kauai County IT is working with GeoComm to fix the problem. Updates to the GeoComm map will be suspended until further notice.

- **Service Requests Transactions**

Open Service Requests – December 2012 (November 29, 2012 – December 27, 2012)

#	Date	Ticket #	Description	Category	Urgency	Comments
1	12/27/12	539	Community Error	MSAG - ANI/ALI Discrepancy	Low	Request for caller information submitted; pending update in 9-1-1Net.

Note: Open Service Requests reflect what is in pending status at the end of the report month.

Year-to-Date (YTD) Summary – 2012

KAUAI				SERVICE REQUEST CATEGORIES							
2012	TOTAL			911 Map		MSAG		Request Training		Suggestions	
	Created	Closed	Open	Created	Closed	Created	Closed	Created	Closed	Created	Closed
December	1	0	1	0	0	1	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0
August	0	1	0	0	0	0	1	0	0	0	0
July	0	0	1	0	0	0	0	0	0	0	0
June	0	1	1	0	0	0	1	0	0	0	0
May	1	1	2	0	1	1	0	0	0	0	0
April	0	2	2	0	1	0	1	0	0	0	0
March	0	0	4	0	0	0	0	0	0	0	0
February	0	2	4	0	0	0	2	0	0	0	0
January	3	0	6	1	0	2	0	0	0	0	0
2011 Carryover	3	0	3	1	0	2	0	0	0	0	0
TOTAL	5	7	1	2	2	6	5	0	0	0	0

Note: Open Service Requests reflect what is in pending status at the end of the report month.

Category	Description
911 Map	Mapping computer not functioning or displaying properly
MSAG	Discrepancies with 9-1-1 MSAG addresses
Request Training	E-911 Operations training needs
Suggestions	Vehicle to share suggestions