DAVID Y. IGE
GOVERNOR

DOUGLAS MURDOCK
Comptroller

AUDREY HIDANO
Deputy Comptroller

STATE OF HAWAII

Enhanced 911 Board
Communications, Technical and Finance Meeting
(Combined Meeting)
Kalanimoku Bldg., Room 322B
1151 Punchbowl St., Honolulu
Thursday, September 10, 2015 (Combined meeting)
10am – 12 noon

Agenda

I.   **Call to Order, Public Notice, Quorum**
II. **Public testimony on all agenda items**
III. **Introductions**
IV. **Review and Approval of Last Month's Meeting Minutes**
V.   **Committee Updates by Committee Chairs**

    a. Communications Committee – Steven Schutte
       i. Legislative Investigative Committee update- Paul Ferreira

    b. Technical Committee – Thalia Burns
       i. Investigative Regulatory Committee update – Marshall Kanehailua
      ii. FCC
         1. Review of FCC Chairman Tom Wheeler's Presentation at APCO.
         2. Presentation on the results of findings on the Mall in Maui; changing the ALI records to display "Dispatchable Locations" at the PSAP and to obtain feedback from the dispatchers regarding FCC 15-9 – T. Ramirez
      iii. Request approval for board member to attend the APCO Emerging Technology Forum; Nov. 17-18, 2015; Atlanta, GA - $2,500.
      iv. Text-2-911 update
      v. Others

    c. Finance Committee – Kiman Wong
       i. Review of Monthly Cash Flow & Budget Financial Reports:
      ii. Request for Funding Approval:
         1. Board member to attend the APCO Emerging Technology Forum; Nov. 17-18, 2015; Atlanta, GA - $2,500.
      iii. Others

VI.   PSAP Status Updates

   a. Kauai – Mark Begley
   b. Oahu – Allan Nagata
   c. Molokai – Dean Rickard
   d. Maui – John Jakubczak
   e. Hawaii – Paul Ferreira

VII.   Items for Discussion, Consideration and Action

   a. 911 Timeline update.
   b. Others

VIII.   Announcements

   a. Meeting dates (10:00am – 12 noon):

       i.   Thursday, October 8, 2015 (Combined meeting)
       ii. Thursday, November 12, 2015 (Combined meeting)
       iii. Thursday, December 10, 2015 (Combined meeting)

   b. Others

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

X. Adjournment

STATE OF HAWAII

Communications, Technical and Finance Meeting (Combined Meeting)
Kalanimoku Bldg., Room 322B
1151 Punchbowl St., Honolulu
Thursday, September 10, 2015
10am – 12 noon

Communications Committee members present: Steven Schutte (Chair), Thalia Burns, Davlynn Racadio, Lavina Taovao and Paul Ferreira.
Communications Committee members absent: none

Technical Committee members present: Thalia Burns (Chair), Clement Chan, Rob Gausepohl, John Jakubczak, Marshall Kanehailua, Ahlan Leong, Gary Lum, David Miyasaki, Eleni Papakiristis, Antonio Ramirez, Steven Schutte, Kiman Wong and Kenison Tejada.
Technical Committee members absent: Jeff Riewer.

Finance Committee members present: Kiman Wong (Chair), Mark Begley, Paul Ferreira, Lisa Hiraoka, Roy Irei and Randy Macadangdang.
Finance Committee members absent: None.

Staff members present: Courtney Tagupa and Stella Kam.

Guests: Victoria Garcia (DoD), Bonnie Young (MPD), Travis Ing (HiPD), Diana Chun (EMS), Eric Butler (Pictometry), Annette Rausch (Intrado), Jeff Andrus (Spillman Tech), Cody Christensen (Spillman Tech), Anthony Dorsey (Spillman Tech), Allan Nagata (HPD), Wayne Hirasa (SIC) and Melodey Lewellen (HPD).

Meeting Minutes

I. Call to Order, Public Notice, Quorum
   a. The Board Chair called the meeting order at 10:05 am.
   b. Quorum was present for all committees.

II. Public testimony on all agenda items
   a. The Board Chair requested of those present who wish to provide testimony on any of the agenda items to please come forward at this time. No one came forward.

III. Introductions
   a. The Board Chair requested that each individual present to please introduce themselves.

IV. Review and Approval of Last Month's Meeting Minutes

a. The Board Chair requested the members of the committees to review the minutes of the August 13, 2015 Joint Committee meeting for approval. Ms. Thalia Burns noted that the minutes should include the names of the members of the Executive Director Evaluation committee and a further correction was noted in the spelling of Ms. Burns' last name.

b. Tony Ramirez motioned to approve the minutes with the noted amendments to the August 13, 2015 meeting. The minutes were approved by voice vote by all committee members present without discussion.

V. Committee Updates by Committee Chairs

a. Communications Committee – Steven Schutte

    i. Committee Chair Schutte requested feedback from those who attended the APCO conference. The responses from the attendees were all positive in terms of exposure to new technologies, networking opportunities with colleagues and vendors, and a well-planned event. Ms. Davlynn Racadio concurred with the positive feedback but did comment on the closure of Reagan Airport that delayed her arrival.

    ii. Legislative Investigative Committee update- Paul Ferreira
        1. Committee Chair Paul Ferreira stated that the committee met to amend the bill related to the E911 surcharge and review the justification sheet in order to move it forward to DAGS administration for their review and to be made part of the Governor's legislative budget for the upcoming legislative sessions. The LIC chair is also requesting the following:

            a. Authority from the board to accept the inclusion of the proposed prepaid wireless legislation with the administration budget.

            b. Authority to draft and present testimony during the legislative session, without first coming through the Board due to the short notices of hearings.

            c. Any comments on the proposed bill, justification sheet or if anyone wishes to submit testimony please feel free to do so.

            d. That the PSAPs provide justification for future expenditures related to NG911. It is anticipated that the additional revenue from prepaid wireless phones will elicit questions from the legislators as to how the projected prepaid revenues will be spent. It was also recommended that the wireless service providers submit estimated recoverable costs in anticipation of NG911.

b. Technical Committee – Thalia Burns

    i. Investigative Regulatory Committee update – Marshall Kanehailua
        1. There were no updates at this time.

ii. FCC Updates:
    1. Review of FCC Chairman Tom Wheeler's Presentation at APCO.
        a. The executive director provided a review of FCC Chairman Tom Wheeler's speech entitled 'Embracing Change for Public Safety Communications' that was presented at the APCO conference. Chairman Wheeler divided his speech into two areas: recent accomplishments and future actions under consideration by the FCC.

            i. Recent FCC rulings which included:
                1. Providing users of fiber-based home voice services the option to buy backup power from service providers in the event of power outages.
                2. Ensuring that wireless mobile phone providers complete the deployment of text-to-911 within the prescribed time frame.
                3. Strengthening wireless 911 location accuracy requirements to include high rise buildings.
                4. Updates to the Network Outage Reporting System (NORS) to reflect changes in technology and consumer usage.

            ii. Future FCC actions under consideration:
                1. Encourage utilization of Spectrum – sharing technology that is currently being used by commercial industry.
                2. NG911 – assist PSAPs to accelerate the pace of their migration to NG911.
                3. Cybersecurity improvements – through the creation of shared security operation centers supporting multiple PSAPs.
                4. Public Safety Workforce development – through continuing education and partnership with local colleges and universities.

    2. Presentation on the results of findings on the Mall in Maui; changing the ALI records to display "Dispatchable Locations" at the PSAP and to obtain feedback from the dispatchers regarding FCC 15-9 – Tony Ramirez.
        a. Mr. Tony Ramirez provided a follow-on power point presentation on FCC 15-9 reporting requirements on Dispatchable Locations and the proof of concept demonstration that was conducted at the Queen Kaahumanu Shopping Center in Maui. Mr. Ramirez went on to mention that placing the "Dispatchable Location" information in the Supplemental Location Information of the delivered ALI stream proved to be a success as the additional information was successfully delivered to the Maui PSAP. It was also discovered there was an added benefit in that it was found that the Dispatchable Location information could also be passed on to the Mobile Data Terminal to the Public Safety responders in the field.

Mr. Ramirez also mentioned that the PSAP Dispatchers that were interviewed during this proof of concept provided positive feedback regarding Dispatchable Location information being supplied to the PSAPs, and the Public Safety responders in the field. The PSAPs all verbalized their approval to move forward with the Dispatchable Location information to the ALI records.

b. Mr. Ramirez presentation also discussed how to apply the same concept of Dispatchable Location information for Wireless 9-1-1 calls. Mr. Ramirez mentioned that the Dispatchable Location could not be delivered in the current delivered ALI stream as it is currently configured; however, there was a way to add the supplemental information to the Wireless Cell Sector layers within the GIS to make that information available to the PSAP Dispatchers. Mr. Ramirez also made a recommendation to modify one of the fields in the CRS process in order to identify if the wireless 9-1-1 call was registering on an indoor or outdoor antennal location, and that recommendation was also approved by the PSAPs.

iii. Request approval for a board member to attend the APCO Emerging Technology Forum; Nov. 17-18, 2015; Atlanta, GA - $2,500.

1. John Jakubczak motioned to approve the attendance by a board member at the APCO Emerging Technology Forum from Nov. 17-18, 2015 subject to funding by the Finance committee and final approval by the board. The motion was seconded and approved by voice vote without discussion by all technical committee members present.

iv. Text-to-911 update

1. Ms. Thalia Burns provided an update of the Text-to-911 committee meeting which included the decision to go with one statewide theme which is "call if you can, text if you can't."
2. The committee also agreed to create one flyer that all the counties and PSAPs would use. The flyer would contain:
   a. The state and county seals.
   b. Generic first responder vehicles representing police, fire and EMS.
   c. The statewide theme.
   d. The Hawaiian Islands.
3. The committee is working with the executive director to have a dedicated page on the E911 Board website in which the counties and PSAPs can link to for more information.
4. Lastly, the committee will be seeking partnerships with the service providers who will be able to provide:
   a. Air time (received commitment by TWC Oceanic Cable).
   b. Inserts of the text-to-911 flyers to be included with customer billings.
   c. Posting flyers at service provider retail stores.
5. More recommendations will be forthcoming next month.

     v. Others-none

  c. Finance Committee – Kiman Wong

     i. Review of Monthly Cash Flow & Budget Financial Reports:
        1. Finance chair Kiman Wong reviewed the results of the monthly budget and cash flow report with the committee. The following statistics were provided:
           a. Receipts (month) $789.2k
           b. Receipts (YTD) $1.6M
           c. Disbursements (month) $90.3k
           d. Disbursements (YTD) $158.9k
           e. Bank balance $16.8M
           f. Unencumbered bank balance $11.0M

     ii. Request for Funding Approval:

        1. Board member to attend the APCO Emerging Technology Forum; Nov. 17-18, 2015; Atlanta, GA - $2,500.
           a. Paul Ferreira motioned to approve attendance by a board member at the APCO Emerging Technology Forum on Nov 17-18, 2015, in Atlanta, GA at an estimated cost of $2,500 subject to final approval by the full board. The motion was seconded and approved by voice vote by all the finance committee members present without discussion.
     iii. Others – None

VI. PSAP Status Updates
  a. Kauai – Mark Begley
     i. Congratulations were extended to the Kauai PSAP for their ADC 911 system which recently went operational.
  b. Oahu – Allan Nagata
     i. Acting Major Allan Nagata thanked the board for their support in HPD's Smart 911 project. The most recent tally of signups for Smart911 amounted to approximately 700+ accounts.
  c. Molokai – Dean Rickard – nothing to report.
  d. Maui – John Jakubczak – nothing to report.
  e. Hawaii – Paul Ferreira
     i. Sgt. Travis Ing introduced the Spillman Technology team who will be participating in the kick-off meeting for the upgrade of the Hawaii Island CAD system.

VII. Items for Discussion, Consideration and Action
  a. 911 Timeline update- no timelines to report.
  b. Others - None

VIII. Announcements

    a. Meeting dates (10:00am – 12 noon):

          i. Thursday, October 8, 2015 (Combined meeting)
         ii. Thursday, November 12, 2015 (Combined meeting)
        iii. Thursday, December 10, 2015 (Combined meeting)

    b. Others

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

    a. The board chair asked if anyone in attendance who wishes to provide comment on issues not on the agenda for consideration for the committee meeting agenda at the next meeting to please come forward. No one came forward.

X. Adjournment

    a. The meeting was adjourned at 10:50 am by voice vote of the all the committee members present.

HAWAII ENHANCED 911 BOARD STATEMENT OF CASH FLOWS
For month ending September 30, 2015

Budget Analysis

FY 2015-16	Actuals		Annual	% of Budget
	SEPTEMBER	FY-T-D	Budget	Expended
Receipts:				
Enhanced 911 Surcharge Collection	795,247	2,361,899	9,252,500	26%
Interest Income	895	1,035	2,500	41%
Receipts	796,143	2,362,934	9,255,000	26%
Disbursements:				
New & Emerging Tech. Training	(18,780)	(21,368)	(252,650)	8%
Non-Recurring Expenses			(2,719,400)	0%
Recurring Expenses:				
Administration	(11,813)	(26,945)	(1,103,700)	2%
Maintenance	(68,810)	(116,947)	(2,474,524)	5%
Telecommunications	(137,895)	(230,941)	(2,146,289)	11%
Other	(7,200)	(7,200)	(7,600)	95%
			-	
Disbursements	(244,499)	(403,401)	(8,704,163)	5%
Net Receipts/(Disbursements)	551,644	1,959,534	550,837	

Cash Flow Analysis

Net Receipts/(Disbursements)	551,644	1,959,534		
Encumbrance Paydowns:				Encumb. Bal.
FY 2011 (Kauai)		(104,166)		314,834
FY 2012 (HFD/EDS/HPD)		(59,415)		692,018
FY 2014		(692)		1,520,913
FY 2015		(1,226,245)		3,304,364
Accounts Receivable (Offset)		-		2,952	1
Net Encumbrance Adds/(Paydown)	-	(1,390,518)		
Net Cash Inflow/(Outflow)	551,644	569,015		
Bank Balance Analysis:				
ADD: July 1, 2015 Beginning Balance		16,789,216		
Net Bank Balance		17,358,231		
Outstanding Ecumb/Accruals		(5,832,128)		
Unencumbered Cash Balance		11,526,103		

Note 1- Balance owing e911 fund for non payment due to Chapter 11 filing.

HAWAII ENHANCED 911 BOARD STATEMENT OF CASH FLOWS
For month ending September 30, 2015

MONTH OF SEPTEMBER 2015 (3 MOS)	Hawaii PSAP	Kaui PSAP	Maui PSAP	Molokai PSAP	Oahu PSAP	ADMIN	TOTAL
Total RECEIPTS	-	-		-		796,143	796,143
DISBURSEMENTS:							
6200 New&Emerg. Tech Train.							
6204 APCO Conference	-		-		9,884	-	9,884
6230 Other Training							
6230.01 HPD (O/T)	-		-		8,897	-	8,897
Total 6230 Other Training	-		-		8,897	-	8,897
Total 6200 New&Emerg. Tech Train.	-		-		18,780	-	18,780
6400 RECURRING EXPENSES							
6401 ADMINISTRATION							
6401.01 Exec Dir. Services	-		-		-	10,516	10,516
6401.08 Board Member Travel	-		-		-	1,058	1,058
6401.20 RCUH Contract	-		-		-	-	-
6402.21 Cell Phone Charges	-		-		-	197	197
6402.22 Office Supplies	-		-		-	42	42
Total 6401 ADMINISTRATION	-		-		-	11,813	11,813
6402 MAINTENANCE							
6402.07 0011 9-1-1MSAG Maint.	20,674		-		48,137	-	68,810
Total 6402 MAINTENANCE	20,674		-		48,137	-	68,810
6403 Other RECURRING							
6403.01 Telcom Charges							
6403.0102 Long Distance	29		29		-	-	57
6403.0109 Telcom Trunk	25,529		23,208		78,907	-	127,643
6403.0112 HPD CML Viper-Kapolei	-		-		10,194	-	10,194
Total 6403.01 Telcom Charges	25,557		23,237		89,101	-	137,895
6403.02 EMS Tower Lease	-		-		7,200	-	7,200
Total 6403 Other RECURRING	25,557		23,237		96,301	-	145,095
Total 6400 RECURRING EXPENSES	46,231		23,237		144,437	11,813	225,718
Total DISBURSEMENTS:	46,231		23,237		163,218	11,813	244,499

HAWAII ENHANCED 911 BOARD STATEMENT OF CASH FLOWS
For month ending September 30, 2015

FY-T-DATE SEPTEMBER 2015	Hawaii PSAP 3 mos.	Kauai PSAP 3 mos.	Maui PSAP 3 mos.	Molokai PSAP 3 mos.	Oahu PSAP 3 mos.	ADMIN 3 mos.	TOTAL 3 mos.	TOTAL Annual Budget	TOTAL $ Over/(Under) Budget
Total RECEIPTS	-	-	-	-	-	2,362,934.15	2,362,934.15	9,255,000	(6,892,066)
DISBURSEMENTS									
6200 New &Emerg. Tech Train.									
6201 911 Goes to WashDC	-	-	(494)	-	-	-	(493.61)	33,500	(33,994)
6203 APCO New Tech Conference	-	-	-	-	-	-	-	2,500	(2,500)
6204 APCO Conference	-	-	-	-	9,884	5,470.66	15,354.17	36,500	(21,146)
6205 E-911 PSAP Forum	-	-	-	-	-	-	-	35,000	(35,000)
6212 NASNA Conference	-	-	-	-	-	32.76	32.76	2,650	(2,617)
6213 Navigator									
6213.01 EMS user train	-	-	-	-	-	-	-	8,000	(8,000)
Total 6213 Navigator	-	-	-	-	-	-	-	8,000	(8,000)
6214 Nena Conference	(2,588)	2,090	18	-	(1,070)	131.76	(1,416.94)	45,000	(46,417)
6215 NENA Tech Dev. Conf	-	-	-	-	-	-	-	3,500	(3,500)
6222 TriTech CAD Users									
6222.01 EMS Users	-	-	-	-	-	-	-	10,000	(10,000)
6222.02 HFD Users	-	-	-	-	-	-	-	22,000	(22,000)
Total 6222 TriTech CAD Users	-	-	-	-	-	-	-	32,000	(32,000)
6228 HxGN Live Hexagon Conf	-	-	(1,005)	-	-	-	(1,005.44)	-	(1,005)
6229 NG911 Text2911 Refresh									
6229.01 Haw PD	-	-	-	-	-	-	-	6,000	(6,000)
Total 6229 NG911 Text2911 Refresh	-	-	-	-	-	-	-	6,000	(6,000)
6230 Other Training									
6230.01 HPD (O/T)	-	-	-	-	8,897	-	8,896.96	32,000	(23,103)
6230.02 HFD/ESD (O/T)	-	-	-	-	-	-	-	16,000	(16,000)
Total 6230 Other Training	-	-	-	-	8,897	-	8,896.96	48,000	(39,103)
Total 6200 New &Emerg. Tech Train.	(2,588)	2,090	(1,481)	-	17,711	5,635.18	21,367.90	252,650	(231,282)
6300 Non-RECURRING									
6301 CAD Replac/Upgrade									
6301.05 Kauai Police Dept	-	-	-	-	-	-	-	2,300,000	(2,300,000)
6301.06 Maui PD	-	-	-	-	-	-	-	82,000	(82,000)
6301.07 So. Maui Buildout	-	-	-	-	-	-	-	200,000	(200,000)
Total 6301 CAD Replac/Upgrade	-	-	-	-	-	-	-	2,582,000	(2,582,000)
6303 Computers									
6303.23 HPD SMART911 S/W	-	-	-	-	-	-	-	62,400	(62,400)
6303.24 PRI Install	-	-	-	-	-	-	-	10,000	(10,000)
6303.25 Workstation	-	-	-	-	-	-	-	65,000	(65,000)
Total 6303 Computers	-	-	-	-	-	-	-	137,400	(137,400)
Total 6300 Non-RECURRING	-	-	-	-	-	-	-	2,719,400	(2,719,400)

HAWAII ENHANCED 911 BOARD STATEMENT OF CASH FLOWS
For month ending September 30, 2015

FY-T-DATE SEPTEMBER 2015	Hawaii PSAP 3 mos.	Kauai PSAP 3 mos.	Maui PSAP 3 mos.	Molokai PSAP 3 mos.	Oahu PSAP 3 mos.	ADMIN 3 mos.	TOTAL 3 mos.	Annual Budget	$ Over/(Under) Budget
6400 RECURRING EXPENSES									
6401 ADMINISTRATION									
6401.01 Exec Dir. Services	-	-	-	-	-	10,516.18	10,516.18	198,000	(187,484)
6401.02 ElectronSignatur	-	-	-	-	-	-	-	250	(250)
6401.05 Audit Expense	-	-	-	-	-	-	-	13,025	(13,025)
6401.06 Bank Charge	-	-	-	-	-	-	-	50	(50)
6401.08 Board Member Travel	-	-	-	-	-	7,551.28	7,551.28	25,000	(17,449)
6401.09 DB&F Assessments									
6401.0101 DB&F Admin. Assess	-	-	-	-	-	-	-	155,000	(155,000)
6401.0102 DB&F Rev Assessment	-	-	-	-	-	-	-	462,625	(462,625)
Total 6401.09 DB&F Assessments	-	-	-	-	-	-	-	617,625	(617,625)
6401.11 Miscellaneous Expense	-	-	-	-	-	(0.30)	(0.30)	-	(0)
6401.12 NASNA Dues	-	-	-	-	-	150.00	150.00	150	-
6401.13 Parking Permits	-	-	-	-	-	-	-	400	(400)
6401.15 WSP Cost Recovery									
6401.0101 Sprint/Nextel	-	-	-	-	-	4,252.72	4,252.72	-	4,253
6401.15 WSP Cost Recovery - Other	-	-	-	-	-	-	-	70,000	(70,000)
Total 6401.15 WSP Cost Recovery	-	-	-	-	-	4,252.72	4,252.72	70,000	(65,747)
6401.17 ADA Compliance	-	-	-	-	-	-	-	200	(200)
6401.19 Public Education	-	-	-	-	-	-	-	30,000	(30,000)
6401.20 RCUH Contract	-	-	-	-	-	3,989.61	3,989.61	-	3,990
6402.21 Cell Phone Charges	-	-	-	-	-	306.35	306.35	-	306
6402.22 Office Supplies	-	-	-	-	-	179.48	179.48	4,000	(3,821)
6402.23 NG911 Transition Plan	-	-	-	-	-	-	-	145,000	(145,000)
Total 6401 ADMINISTRATION	-	-	-	-	-	26,945.32	26,945.32	1,103,700	(1,076,755)
6402 MAINTENANCE									
6402.02 Imagery Lic Agree	-	-	0	-	-	-	0.14	447,015	(447,015)
6402.05 Logging RecordMaint	-	-	-	-	-	-	-	60,775	(60,775)
6402.07 0011 9-1-1MSAG Maint.	20,674.05	-	0.30	-	96,272.50	-	116,946.85	1,323,378.00	(1,206,431.15)
6402.08 CAD Maintenance	(0)	-	-	-	-	-	(0.42)	638,752	(638,752)
6402.13 Software Maintenance									
6402.131 Integraph DB S/W Maint	-	-	-	-	-	-	-	4,604	(4,604)
Total 6402.13 Software Maintenance	-	-	-	-	-	-	-	4,604	(4,604)
Total 6402 MAINTENANCE	20,674	-	0	-	96,273	-	116,946.57	2,474,524	(2,357,577)
6403 Other RECURRING									
6403.01 Telcom Charges									
6403.0102 Long Distance	26	(59)	(82)	(35)	-	-	(149.27)	2,103	(2,252)
6403.0109 Telcom Trunk	25,529	(9,283)	46,444	-	157,814	-	220,504.22	1,687,134	(1,466,630)
6403.0111 WiringAltDispatch	-	-	-	-	-	-	-	237,736	(237,736)
6403.0112 HPD CML Viper-Kapolei	-	-	-	-	9,321	-	9,320.76	140,916	(131,595)
6403.0113 HPDCMLViper-Alapai	-	-	-	-	(2,462)	-	(2,462.28)	-	(2,462)
6403.0114 SD Viper (OSL) (3)	-	-	-	-	3,727	-	3,727.38	54,000	(50,273)
6403.0115 Text-to-911 Service	-	-	-	-	-	-	-	24,100	(24,100)
6403.0116 Alt PSAP Call Route	-	-	-	-	-	-	-	300	(300)
Total 6403.01 Telcom Charges	25,555	(9,342)	46,363	(35)	168,399	-	230,940.81	2,146,289	(1,915,348)
6403.02 EMS Tower Lease	-	-	-	-	7,200	-	7,200.00	7,600	(400)
Total 6403 Other RECURRING	25,555	(9,342)	46,363	(35)	175,599	-	238,140.81	2,153,889	(1,915,748)
Total 6400 RECURRING EXPENSES	46,229	(9,342)	46,363	(35)	271,872	26,945.32	382,032.70	5,732,113	(5,350,080)
Total DISBURSEMENTS	43,641	(7,251)	44,882	(35)	289,583	32,580.50	403,400.60	8,704,163	(8,300,762)

HAWAII ENHANCED 911 BOARD STATEMENT OF CASH FLOWS
For month ending September 30, 2015

ENCUMBRANCES							FY 2015	Q1	Sep.30.2015
FY 2011 Encumbrances:	Oahu	Maui	Molokai	Kauai	Hawaii	Admin	Total	Paydown	Balance
CAD Upgrade:				418,999.59			418,999.59	(104,166.00)	314,833.59
FY 2012 Encumbrances:							-		-
CAD Upgrades:									-
EMS/FIRE	56,040.27						56,040.27	(59,414.61)	(3,374.34)
HPD	695,392.00						695,392.00	-	695,392.00
Total FY 2012 Encumbrances	751,432.27	-		-	-	-	751,432.27	(59,414.61)	692,017.66
FY 2014 Accruals									
CAD Upgrade				1,500,000.00			1,500,000.00		1,500,000.00
AG Legal Expenses for IRC						21,605.00	21,605.00	(692.23)	20,912.77
Total FY 2014 Encumbrances	-	-	-	-	1,500,000.00	21,605.00	1,521,605.00	(692.23)	1,520,912.77
FY 2015 Encumbrances									
CAD Upgrade					2,300,000.00		2,300,000.00		2,300,000.00
HPD Smart911 S/W	76,400.00						76,400.00		76,400.00
Imagery License					926,400.00		926,400.00		926,400.00
Kauai ADC				307,000.00			307,000.00	(305,436.44)	1,563.56
							-		-
Board Travel						6,000.00	6,000.00	(6,000.00)	-
NENA	9,999.00	10,500.00		9,900.00	10,500.00	4,086.00	44,985.00	(44,985.00)	-
NASNA						650.00	650.00	(650.00)	-
911 Goes to WA		7,000.00					7,000.00	(7,000.00)	-
HxGN Live Hexagon Conf		6,600.00					6,600.00	(6,600.00)	-
WSP Cost Recovery -SprintNextel						35,000.00	35,000.00	(35,000.00)	-
MSAG	46,614.00	37,590.00		73,291.00	39,885.00		197,380.00	(197,380.00)	-
CAD Maint					66,307.00		66,307.00	(66,307.00)	-
HT Telcom Trunk		23,207.00		27,849.00	51,057.00		102,113.00	(102,113.00)	-
HPD CML Viper-Kapolei/Alapai	41,650.00						41,650.00	(41,650.00)	-
CML Viper (OSL)	2,973.00						2,973.00	(2,973.00)	-
Imagery Lic Agree		387,892.29					387,892.29	(387,892.29)	-
Office Supplies						109.91	109.91	(109.91)	-
RCUH Contract						14,570.00	14,570.00	(14,570.00)	-
HT Long Distance		139.00	34.80	145.00	60.00		378.80	(378.80)	-
Microwave Antennat Lease	7,200.00						7,200.00	(7,200.00)	-
							-		-
Total Encumbrances/Accruals	184,836.00	472,928.29	34.80	418,185.00	3,394,209.00	60,415.91	4,530,609.00	(1,226,245.44)	3,304,363.56

| Total | 936,268.27 | 472,928.29 | 34.80 | 837,184.59 | 4,894,209.00 | 82,020.91 | 7,222,645.86 | (1,390,518.28) | 5,832,127.58 |

HAWAII ENHANCED 911 BOARD STATEMENT OF CASH FLOWS
For month ending September 30, 2015

FY 2016 STRATEGIC BUDGET PLAN	HAWAII PSAP	OAHU PSAP	MAUI PSAP	Molokai PSAP	KAUAI PSAP	ADMIN	New & Emerging Technology Training	TOTAL	Board Approval Date
Approved FY 2016 Strategic Budget Plan	992,547	2,577,329	946,873	65,335	3,065,729	1,103,700	246,650	8,998,163	6/9/2015
Board Approved Changes:									
Executive Director (1) - APCO						3,000	(3,000)		6/9/2015
Board member (1) - APCO						3,000	(3,000)		6/9/2015
Oahu DIT (1) - APCO		3,000					(3,000)		6/9/2015
HPD (2+1 Board member) - APCO		10,500					(10,500)		7/15/2015
MPD (2) - APCO			7,000				(7,000)		7/15/2015
KPD (2) - APCO					7,000		(7,000)		7/15/2015
HawPD (2) - APCO	7,000						(7,000)		7/15/2015
HawPD (2) - APCO (retracted)	(7,000)						7,000		7/15/2015
HFD (1) - APCO		3,000					(3,000)		7/15/2015
HawPD Imagery Adjustment	(300,000)							(300,000)	7/15/2015
MPD (1) - NENA Development Conf -Oct4-8			3,500					3,500	8/13/2015
Board member (1) - APCO New Emerging Tech						2,500		2,500	9/10/2015
								-	
Totals	692,547	2,593,829	957,373	65,335	3,072,729	1,112,200	210,150	8,704,163	

HAWAII ENHANCED 911 BOARD STATEMENT OF CASH FLOWS
For month ending September 30, 2015

		Hawaii PSAP	
FY-T-DATE SEPTEMBER 2015	**3 mos.**	**Annual Budget**	**$ Over/(Under) Budget**
Total RECEIPTS	-	-	-
DISBURSEMENTS			
6200 New & Emerg. Tech Train.			
6201 911 Goes to WashDC	-	-	-
6203 APCO New Tech Conference	-	-	-
6204 APCO Conference	-	-	-
6205 E-911 PSAP Forum	-	-	-
6212 NASNA Conference	-	-	-
6213 Navigator			
6213.01 EMS user train	-	-	-
Total 6213 Navigator	-	-	-
6214 Nena Conference	(2,588)	-	(2,588)
6215 NENA Tech Dev. Conf	-	-	-
6222 TriTech CAD Users			
6222.01 EMS Users	-	-	-
6222.02 HFD Users	-	-	-
Total 6222 TriTech CAD Users	-	-	-
6228 HxGN Live Hexagon Conf	-	-	-
6229 NG911 Text2911 Refresh			
6229.01 Haw PD	-	-	-
Total 6229 NG911 Text2911 Refresh	-	-	-
6230 Other Training			
6230.01 HPD (O/T)	-	-	-
6230.02 HFD/ESD (O/T)	-	-	-
Total 6230 Other Training	-	-	-
Total 6200 New & Emerg. Tech Train.	(2,588)	-	(2,588)
6300 Non-RECURRING			
6301 CAD Replac/Upgrade			
6301.05 Kauai Police Dept	-	-	-
6301.06 Maui PD	-	-	-
6301.07 So. Maui Buildout	-	-	-
Total 6301 CAD Replac/Upgrade	-	-	-
6303 Computers			
6303.23 HPD SMART911 S/W	-	-	-
6303.24 PRI Install	-	-	-
6303.25 Workstation	-	-	-
Total 6303 Computers	-	-	-
Total 6300 Non-RECURRING	-	-	-
6400 RECURRING EXPENSES			
6402 MAINTENANCE			
6402.02 Imagery Lic Agree	-	-	-
6402.05 Logging RecordMaint	-	-	-
6402.07 0011 9-1-1MSAG Maint.	20,674.05	307,647.00	(286,972.95)
6402.08 CAD Maintenance	(0)	68,752	(68,752)
6402.13 Software Maintenance			
6402.131 Integraph DB S/W Maint	-	4,604	(4,604)
Total 6402.13 Software Maintenance	-	4,604	(4,604)
Total 6402 MAINTENANCE	20,674	381,003	(360,329)
6403 Other RECURRING			
6403.01 Telcom Charges			
6403.0102 Long Distance	26	1,200	(1,174)
6403.0109 Telcom Trunk	25,529	306,344	(280,815)
6403.0111 WiringAltDispatch	-	-	-
6403.0112 HPD CML Viper-Kapolei	-	-	-
6403.0113 HPDCMLViper-Alapai	-	-	-
6403.0114 SD Viper (OSL) (3)	-	-	-
6403.0115 Text-to-911 Service	-	4,000	(4,000)
6403.0116 Alt PSAP Call Route	-	-	-
Total 6403.01 Telcom Charges	25,555	311,544	(285,989)
6403.02 EMS Tower Lease	-	-	-
Total 6403 Other RECURRING	25,555	311,544	(285,989)
Total 6400 RECURRING EXPENSES	46,229	692,547	(646,318)
Total DISBURSEMENTS	43,641	692,547	(648,906)

HAWAII ENHANCED 911 BOARD STATEMENT OF CASH FLOWS
For month ending September 30, 2015

FY-T-DATE SEPTEMBER 2015	3 mos.	Kauai PSAP Annual Budget	$ Over/(Under) Budget
Total RECEIPTS	-	-	-
DISBURSEMENTS			
6200 New&Emerg. Tech Train.			
6201 911 Goes to WashDC	-	-	-
6203 APCO New Tech Conference	-	-	-
6204 APCO Conference	-	7,000	(7,000)
6205 E-911 PSAP Forum	-	-	-
6212 NASNA Conference	-	-	-
6213 Navigator			
6213.01 EMS user train	-	-	-
Total 6213 Navigator	-	-	-
6214 Nena Conference	2,090	-	2,090
6215 NENA Tech Dev. Conf	-	-	-
6222 TriTech CAD Users			
6222.01 EMS Users	-	-	-
6222.02 HFD Users	-	-	-
Total 6222 TriTech CAD Users	-	-	-
6228 HxGN Live Hexagon Conf	-	-	-
6229 NG911 Text2911 Refresh			
6229.01 Haw PD	-	-	-
Total 6229 NG911 Text2911 Refresh	-	-	-
6230 Other Training			
6230.01 HPD (O/T)	-	-	-
6230.02 HFD/ESD (O/T)	-	-	-
Total 6230 Other Training	-	-	-
Total 6200 New&Emerg. Tech Train.	2,090	7,000	(4,910)
6300 Non-RECURRING			
6301 CAD Replac/Upgrade			
6301.05 Kauai Police Dept	-	2,300,000	(2,300,000)
6301.06 Maui PD	-	-	-
6301.07 So. Maui Buildout	-	-	-
Total 6301 CAD Replac/Upgrade	-	2,300,000	(2,300,000)
6303 Computers			
6303.23 HPD SMART911 S/W	-	-	-
6303.24 PRI Install	-	10,000	(10,000)
6303.25 Workstation	-	-	-
Total 6303 Computers	-	10,000	(10,000)
Total 6300 Non-RECURRING	-	2,310,000	(2,310,000)
6400 RECURRING EXPENSES			
6402 MAINTENANCE			
6402.02 Imagery Lic Agree	-	197,015	(197,015)
6402.05 Logging RecordMaint	-	-	-
6402.07 0011 9-1-1MSAG Maint.	-	204,700.00	(204,700.00)
6402.08 CAD Maintenance	-	-	-
6402.13 Software Maintenance			
6402.131 Integraph DB S/W Maint	-	-	-
Total 6402.13 Software Maintenance	-	-	-
Total 6402 MAINTENANCE	-	401,715	(401,715)
6403 Other RECURRING			
6403.01 Telcom Charges			
6403.0102 Long Distance	(59)	480	(539)
6403.0109 Telcom Trunk	(9,283)	111,398	(120,681)
6403.0111 WiringAltDispatch	-	237,736	(237,736)
6403.0112 HPD CML Viper-Kapolei	-	-	-
6403.0113 HPDCMLViper-Alapai	-	-	-
6403.0114 SD Viper (OSL) (3)	-	-	-
6403.0115 Text-to-911 Service	-	4,100	(4,100)
6403.0116 Alt PSAP Call Route	-	300	(300)
Total 6403.01 Telcom Charges	(9,342)	354,014	(363,356)
6403.02 EMS Tower Lease	-	-	-
Total 6403 Other RECURRING	(9,342)	354,014	(363,356)
Total 6400 RECURRING EXPENSES	(9,342)	755,729	(765,071)
Total DISBURSEMENTS	(7,251)	3,072,729	(3,079,980)

FY-T-DATE SEPTEMBER 2015	Maui PSAP		
	3 mos.	Annual Budget	$ Over/(Under) Budget
Total RECEIPTS	-	-	-
DISBURSEMENTS			
6200 New&Emerg. Tech Train.			
6201 911 Goes to WashDC	(494)	-	(494)
6203 APCO New Tech Conference	-	-	-
6204 APCO Conference	-	7,000	(7,000)
6205 E-911 PSAP Forum	-	-	-
6212 NASNA Conference	-	-	-
6213 Navigator			
6213.01 EMS user train	-	-	-
Total 6213 Navigator	-	-	-
6214 Nena Conference	18	-	18
6215 NENA Tech Dev. Conf	-	3,500	(3,500)
6222 TriTech CAD Users			
6222.01 EMS Users	-	-	-
6222.02 HFD Users	-	-	-
Total 6222 TriTech CAD Users	-	-	-
6228 HxGN Live Hexagon Conf	(1,005)	-	(1,005)
6229 NG911 Text2911 Refresh			
6229.01 Haw PD	-	-	-
Total 6229 NG911 Text2911 Refresh	-	-	-
6230 Other Training			
6230.01 HPD (O/T)	-	-	-
6230.02 HFD/ESD (O/T)	-	-	-
Total 6230 Other Training	-	-	-
Total 6200 New&Emerg. Tech Train.	(1,481)	10,500	(11,981)
6300 Non-RECURRING			
6301 CAD Replac/Upgrade			
6301.05 Kauai Police Dept	-	-	-
6301.06 Maui PD	-	82,000	(82,000)
6301.07 So. Maui Buildout	-	200,000	(200,000)
Total 6301 CAD Replac/Upgrade	-	282,000	(282,000)
6303 Computers			
6303.23 HPD SMART911 S/W	-	-	-
6303.24 PRI Install	-	-	-
6303.25 Workstation	-	-	-
Total 6303 Computers	-	-	-
Total 6300 Non-RECURRING	-	282,000	(282,000)
6400 RECURRING EXPENSES			
6402 MAINTENANCE			
6402.02 Imagery Lic Agree	0	-	0
6402.05 Logging RecordMaint	-	-	-
6402.07 0011 9-1-1MSAG Maint.	0.30	233,393.00	(233,392.70)
6402.08 CAD Maintenance	-	170,000	(170,000)
6402.13 Software Maintenance			
6402.131 Integraph DB S/W Maint	-	-	-
Total 6402.13 Software Maintenance	-	-	-
Total 6402 MAINTENANCE	0	403,393	(403,393)
6403 Other RECURRING			
6403.01 Telcom Charges			
6403.0102 Long Distance	(82)	366	(448)
6403.0109 Telcom Trunk	46,444	257,914	(211,470)
6403.0111 WiringAltDispatch	-	-	-
6403.0112 HPD CML Viper-Kapolei	-	-	-
6403.0113 HPDCMLViper-Alapai	-	-	-
6403.0114 SD Viper (OSL) (3)	-	-	-
6403.0115 Text-to-911 Service	-	3,200	(3,200)
6403.0116 Alt PSAP Call Route	-	-	-
Total 6403.01 Telcom Charges	46,363	261,480	(215,117)
6403.02 EMS Tower Lease	-	-	-
Total 6403 Other RECURRING	46,363	261,480	(215,117)
Total 6400 RECURRING EXPENSES	46,363	664,873	(618,510)
Total DISBURSEMENTS	44,882	957,373	(912,491)

		Molokai PSAP		
FY-T-DATE SEPTEMBER 2015	**3 mos.**	**Annual Budget**	**$ Over/(Under) Budget**
Total RECEIPTS		-	-	-
DISBURSEMENTS				
6200 New&Emerg. Tech Train.				
6201 911 Goes to WashDC		-	-	-
6203 APCO New Tech Conference		-	-	-
6204 APCO Conference		-	-	-
6205 E-911 PSAP Forum		-	-	-
6212 NASNA Conference		-	-	-
6213 Navigator				
6213.01 EMS user train		-	-	-
Total 6213 Navigator		-	-	-
6214 Nena Conference		-	-	-
6215 NENA Tech Dev. Conf		-	-	-
6222 TriTech CAD Users				
6222.01 EMS Users		-	-	-
6222.02 HFD Users		-	-	-
Total 6222 TriTech CAD Users		-	-	-
6228 HxGN Live Hexagon Conf				
6229 NG911 Text2911 Refresh				
6229.01 Haw PD		-	-	-
Total 6229 NG911 Text2911 Refresh		-	-	-
6230 Other Training				
6230.01 HPD (O/T)		-	-	-
6230.02 HFD/ESD (O/T)		-	-	-
Total 6230 Other Training		-	-	-
Total 6200 New&Emerg. Tech Train.		-	-	-
6300 Non-RECURRING				
6301 CAD Replac/Upgrade				
6301.05 Kauai Police Dept		-	-	-
6301.06 Maui PD		-	-	-
6301.07 So. Maui Buildout		-	-	-
Total 6301 CAD Replac/Upgrade		-	-	-
6303 Computers				
6303.23 HPD SMART911 S/W		-	-	-
6303.24 PRI Install		-	-	-
6303.25 Workstation		-	-	-
Total 6303 Computers		-	-	-
Total 6300 Non-RECURRING		-	-	-
6400 RECURRING EXPENSES				
6402 MAINTENANCE				
6402.02 Imagery Lic Agree		-	-	-
6402.05 Logging RecordMaint		-	-	-
6402.07 0011 9-1-1MSAG Maint.		-	-	-
6402.08 CAD Maintenance		-	-	-
6402.13 Software Maintenance				
6402.131 Integraph DB S/W Maint		-	-	-
Total 6402.13 Software Maintenance		-	-	-
Total 6402 MAINTENANCE		-	-	-
6403 Other RECURRING				
6403.01 Telcom Charges				
6403.0102 Long Distance	(35)	57	(92)
6403.0109 Telcom Trunk	-	64,478	(64,478)
6403.0111 WiringAltDispatch	-	-	-
6403.0112 HPD CML Viper-Kapolei	-	-	-
6403.0113 HPDCMLViper-Alapai	-	-	-
6403.0114 SD Viper (OSL) (3)	-	-	-
6403.0115 Text-to-911 Service	-	800	(800)
6403.0116 Alt PSAP Call Route	-	-	-
Total 6403.01 Telcom Charges	(35)	65,335	(65,370)
6403.02 EMS Tower Lease	-	-	-
Total 6403 Other RECURRING	(35)	65,335	(65,370)
Total 6400 RECURRING EXPENSES	(35)	65,335	(65,370)
Total DISBURSEMENTS	(35)	65,335	(65,370)

					Oahu PSAP	
FY-T-DATE SEPTEMBER 2015				**3 mos.**	**Annual Budget**	**$ Over/(Under) Budget**
Total RECEIPTS				-	-	-
DISBURSEMENTS						
6200 New&Emerg. Tech Train.						
	6201 911 Goes to WashDC			-	-	-
	6203 APCO New Tech Conference			-	-	-
	6204 APCO Conference			9,884	16,500	(6,616)
	6205 E-911 PSAP Forum			-	-	-
	6212 NASNA Conference			-	-	-
	6213 Navigator					
		6213.01 EMS user train		-	-	-
	Total 6213 Navigator			-	-	-
	6214 Nena Conference			(1,070)	-	(1,070)
	6215 NENA Tech Dev. Conf			-	-	-
	6222 TriTech CAD Users					
		6222.01 EMS Users		-	-	-
		6222.02 HFD Users		-	-	-
	Total 6222 TriTech CAD Users			-	-	-
	6228 HxGN Live Hexagon Conf			-	-	-
	6229 NG911 Text2911 Refresh					
		6229.01 Haw PD		-	-	-
	Total 6229 NG911 Text2911 Refresh			-	-	-
	6230 Other Training					
		6230.01 HPD (O/T)		8,897	-	8,897
		6230.02 HFD/ESD (O/T)		-	-	-
	Total 6230 Other Training			8,897	-	8,897
Total 6200 New&Emerg. Tech Train.				17,711	16,500	1,211
6300 Non-RECURRING						
	6301 CAD Replac/Upgrade					
		6301.05 Kauai Police Dept		-	-	-
		6301.06 Maui PD		-	-	-
		6301.07 So. Maui Buildout		-	-	-
	Total 6301 CAD Replac/Upgrade			-	-	-
	6303 Computers					
		6303.23 HPD SMART911 S/W		-	62,400	(62,400)
		6303.24 PRI Install		-	-	-
		6303.25 Workstation		-	65,000	(65,000)
	Total 6303 Computers			-	127,400	(127,400)
Total 6300 Non-RECURRING				-	127,400	(127,400)
6400 RECURRING EXPENSES						
	6402 MAINTENANCE					
		6402.02 Imagery Lic Agree		-	250,000	(250,000)
		6402.05 Logging RecordMaint		-	60,775	(60,775)
		6402.07 0011 9-1-1MSAG Maint.		96,272.50	577,638.00	(481,365.50)
		6402.08 CAD Maintenance		-	400,000	(400,000)
		6402.13 Software Maintenance				
			6402.131 Integraph DB S/W Maint	-	-	-
		Total 6402.13 Software Maintenance		-	-	-
	Total 6402 MAINTENANCE			96,273	1,288,413	(1,192,141)
	6403 Other RECURRING					
		6403.01 Telcom Charges				
			6403.0102 Long Distance	-	-	-
			6403.0109 Telcom Trunk	157,814	947,000	(789,186)
			6403.0111 WiringAltDispatch	-	-	-
			6403.0112 HPD CML Viper-Kapolei	9,321	140,916	(131,595)
			6403.0113 HPDCMLViper-Alapai	(2,462)	-	(2,462)
			6403.0114 SD Viper (OSL) (3)	3,727	54,000	(50,273)
			6403.0115 Text-to-911 Service	-	12,000	(12,000)
			6403.0116 Alt PSAP Call Route	-	-	-
		Total 6403.01 Telcom Charges		168,399	1,153,916	(985,517)
		6403.02 EMS Tower Lease		7,200	7,600	(400)
	Total 6403 Other RECURRING			175,599	1,161,516	(985,917)
Total 6400 RECURRING EXPENSES				271,872	2,449,929	(2,178,057)
Total DISBURSEMENTS				289,583	2,593,829	(2,304,246)

FY-T-DATE SEPTEMBER 2015	ADMIN		
	3 mos.	Annual Budget	$ Over/(Under) Budget
Total RECEIPTS	2,362,934.15	-	2,362,934
DISBURSEMENTS			
6200 New&Emerg. Tech Train.			
6201 911 Goes to WashDC	-	33,500	(33,500)
6203 APCO New Tech Conference	-	2,500	(2,500)
6204 APCO Conference	5,470.66	6,000	(529)
6205 E-911 PSAP Forum	-	35,000	(35,000)
6212 NASNA Conference	32.76	2,650	(2,617)
6213 Navigator			
6213.01 EMS user train	-	8,000	(8,000)
Total 6213 Navigator	-	8,000	(8,000)
6214 Nena Conference	131.76	45,000	(44,868)
6215 NENA Tech Dev. Conf	-	-	-
6222 TriTech CAD Users			
6222.01 EMS Users	-	10,000	(10,000)
6222.02 HFD Users	-	22,000	(22,000)
Total 6222 TriTech CAD Users	-	32,000	(32,000)
6228 HxGN Live Hexagon Conf	-	-	-
6229 NG911 Text2911 Refresh			
6229.01 Haw PD	-	6,000	(6,000)
Total 6229 NG911 Text2911 Refresh	-	6,000	(6,000)
6230 Other Training			
6230.01 HPD (O/T)	-	32,000	(32,000)
6230.02 HFD/ESD (O/T)	-	16,000	(16,000)
Total 6230 Other Training	-	48,000	(48,000)
Total 6200 New&Emerg. Tech Train.	5,635.18	218,650	(213,015)
6400 RECURRING EXPENSES			
6401 ADMINISTRATION			
6401.01 Exec Dir. Services	10,516.18	198,000	(187,484)
6401.02 ElectronSignatur	-	250	(250)
6401.05 Audit Expense	-	13,025	(13,025)
6401.06 Bank Charge	-	50	(50)
6401.08 Board Member Travel	7,551.28	25,000	(17,449)
6401.09 DB&F Assessments			
6401.0101 DB&F Admin. Assess	-	155,000	(155,000)
6401.0102 DB&F Rev Assessment	-	462,625	(462,625)
Total 6401.09 DB&F Assessments	-	617,625	(617,625)
6401.11 Miscellaneous Expense	(0.30)	-	(0)
6401.12 NASNA Dues	150.00	150	-
6401.13 Parking Permits	-	400	(400)
6401.15 WSP Cost Recovery			
6401.0101 Sprint/Nextel	4,252.72	-	4,253
6401.15 WSP Cost Recovery - Other	-	70,000	(70,000)
Total 6401.15 WSP Cost Recovery	4,252.72	70,000	(65,747)
6401.17 ADA Compliance	-	200	(200)
6401.19 Public Education	-	30,000	(30,000)
6401.20 RCUH Contract	3,989.61	-	3,990
6402.21 Cell Phone Charges	306.35	-	306
6402.22 Office Supplies	179.48	4,000	(3,821)
6402.23 NG911 Transition Plan	-	145,000	(145,000)
Total 6401 ADMINISTRATION	26,945.32	1,103,700	(1,076,755)
Total 6400 RECURRING EXPENSES	26,945.32	1,103,700	(1,076,755)
Total DISBURSEMENTS	32,580.50	1,322,350	(1,289,770)

Oahu Civilian E9-1-1

Status Report

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AKIMEKA | HIGH PRIORITY. HIGH IMPACT.

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1. PSAP OPERATIONS

9-1-1 CALL VOLUME – SEPTEMBER 2015

(Source: Intrado Viper)

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

Honolulu City & County PSAPs		Wireline		Wireless				VOIP		Calls With No ALI		Admin Calls		Abandoned Calls		Other Calls	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	No. of Other Calls	% of Total Calls
September	85,443	20,216	23.66%	62,348	72.97%	50.83%	22.14%	2,828	3.31%	51	0.06%	2,202	2.58%	12,044	14.10%	903	1.06%

9-1-1 CALL VOLUME – CALENDAR YEAR 2015

Honolulu City & County PSAPs		Wireline		Wireless				VOIP Calls		Calls with No ALI		Admin Calls		Abandoned Calls		Other Calls	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	No. of Total Call Received	% of Total Calls
JAN	82,328	19,792	24.04%	59,531	72.31%	49.23%	23.08%	2,939	3.57%	66	0.08%	2,171	2.64%	11,306	13.73%	618	0.75%
FEB	77,047	18,699	24.27%	55,782	72.40%	49.78%	22.62%	2,504	3.25%	62	0.08%	1,790	2.32%	10,656	13.83%	600	0.78%
MAR	82,861	19,837	23.94%	60,232	72.69%	50.43%	22.26%	2,751	3.32%	41	0.05%	2,286	2.76%	11,822	14.27%	674	0.81%
APR	79,337	18,532	23.36%	58,075	73.20%	49.98%	23.22%	2,674	3.37%	56	0.07%	1,135	1.43%	11,885	14.98%	625	0.79%
MAY	82,466	19,339	23.45%	60,142	72.93%	52.21%	20.72%	2,936	3.56%	49	0.06%	1,895	2.30%	12,616	15.30%	597	0.72%
JUNE	82,356	19,338	23.48%	60,169	73.06%	51.41%	21.65%	2,800	3.40%	49	0.06%	1,989	2.42%	12,172	14.78%	643	0.78%
JULY	88,272	20,567	23.30%	64,880	73.50%	51.02%	22.48%	2,781	3.15%	44	0.05%	2,159	2.45%	13,150	14.90%	748	0.85%
AUG	90,430	20,708	22.90%	66,575	73.62%	51.24%	22.38%	3,102	3.43%	45	0.05%	2,405	2.66%	13,718	15.17%	754	0.83%
SEPT	85,443	20,216	23.66%	62,348	72.97%	50.83%	22.14%	2,828	3.31%	51	0.06%	2,202	2.58%	12,044	14.10%	903	1.06%
OCT																
NOV																
DEC																
YTD	750,540	177,028		547,734				25,315		463		18,032		109,369		6,162	
MON AVG	83,393	19,670	23.60%	60,859	72.96%	50.68%	22.28%	2,813	3.37%	51	0.06%	2,004	2.40%	12,152	14.56%	685	0.82%

NOTE:

- **Calls with no Ali 0.06% - Statewide average = 0.24% August 2015*
- *Wireline totals for February and March have been adjusted per HPD audit.*

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September 1, 2015 - September 30, 2015

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

2015	9-1-1 Call Volume by Agency									
	Honolulu Police Department						Honolulu Fire Department			
	No. of Total Calls Received	% of Total Calls	Number of Emergency Calls	Number of Non Emergency Calls	Number of Admin Calls	Number of Dropped Calls	No. of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Dropped Calls
September	74,244	86.89%	21,690	39,182	1,328	12,044	2,210	2.59%	104	0

2015	9-1-1 Call Volume by Agency							
	Emergency Medical Services				Ocean Safety			
	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Dropped Calls	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Dropped Calls
September	8,061	9.43%	749	183	25	0.03%	21	7

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

2015	9-1-1 Call Volume by Agency																	
	Honolulu Police Department						Honolulu Fire Department				Emergency Medical Services				Ocean Safety			
	Number of Total Calls Received	% of Total Calls	No. of Emergency Calls	No. of Non Emergency Calls	No. of Admin Calls	No. of Dropped Calls	No. of Total Calls Received	% of Total Calls	No. of Admin Calls	No. of Dropped Calls	No. of Total Calls Received	% of Total Calls	No. of Admin Calls	No. of Dropped Calls	No. of Total Calls Received	% of Total Calls	No. of Admin Calls	No. of Dropped Calls
JAN	70,213	85.28%	19,601	38,128	1,178	11,306	2,597	3.15%	122	0	8,814	10.71%	787	110	86	0.10%	84	4
FEB	65,139	84.54%	18,691	34,812	980	10,656	2,552	3.31%	83	0	8,679	11.26%	652	89	77	0.10%	75	3
MAR	70,656	85.27%	19,470	38,194	1,170	11,822	2,954	3.57%	108	0	8,517	10.28%	949	86	60	0.07%	59	16
APR	69,768	87.94%	20,453	36,574	856	11,885	2,223	2.80%	89	0	6,686	8.43%	156	154	35	0.04%	34	6
MAY	70,935	86.02%	19049	38,315	955	12,616	2,788	3.38%	65	0	8,077	9.79%	808	118	69	0.08%	67	14
JUNE	71,011	86.22%	19,609	38,121	1,109	12,172	2,767	3.36%	102	0	7,867	9.55%	712	82	68	0.08%	66	1
JULY	76,613	86.79%	22,000	40,219	1,244	13,150	2,918	3.31%	107	0	7,909	8.96%	728	116	84	0.10%	80	10
AUG	78,622	86.94%	21,788	41,628	1,488	13,718	2,790	3.09%	96	0	8,185	9.05%	742	90	79	0.09%	79	5
SEPT	74,244	86.89%	21,690	39,182	1,328	12,044	2,210	2.59%	104	0	8,061	9.43%	749	183	25	0.03%	21	7
OCT																		
NOV																		
DEC																		
YTD	647,201		182,351	345,173	10,308	109,369	23,799		876	0	72,795		6,283	1,028	583		565	66
MON AVG	71,911	86.21%	20,261	38,353	1,145	12,152	2,644	3.17%	97	0	8,088	9.72%	698	114	65	0.08%	63	7

PSAP OPERATION NOTES:

- **Total call volumes does not include Administrative Calls. Administrative calls = Calls originating on Administrative lines that required 911 service.**
- **Abandoned Calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered. Dropped Calls are hang ups after transfers.**
- **Abandoned Calls are not included in the Wireline and Wireless total counts respectively.**
- **All VoIP (Voice over Internet Protocol) types of 911 calls are combined in the Call Volume statistic.**

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TEXT TO 911 – CURRENT MONTH – SEPTEMBER 2015

NOTE:

- State of Hawaii PSAPs are currently in the testing phase with the WSPs (Wireless Service Providers) for Text to 911.
- In the coming months, a chart will be provided for the amount of Text to 911 messages that are received at the PSAP.

FYI…..FOR YOUR INFORMATION

FYI ………... For Your Information					
TEXT TO 911					
States and the number of PSAPs that are <u>currently</u> accepting Text to 911 at their 911 Centers					
Text Method used at each PSAP varies, they are: Text to TTY, Web Browser, or a Direct IP method					
STATE	**# of PSAPs**	**Date of Compliance**	**# of PSAPs**	**Date of Compliance**	**Total State PSAPs accepting 911 Text**	**Total number of PSAPs in the State**
Colorado	7	6/30/2015	7	9/3/2015	14	217
Illinois	3	6/30/2015	2	9/3/2015	5	376
Michigan	1	9/3/2015			1	200
North Carolina	2	6/30/2015	1	9/3/2015	3	157
New Hampshire	1	9/3/2015			1	6
Pennsylvania	7	6/30/2015	1	9/3/2015	8	88
Texas	57	6/30/2015	1	9/3/2015	58	635
Alabama	3	8/5/2015			3	152
Florida	2	6/30/2015			2	254
Georgia	2	6/30/2015			2	208
Idaho	1	8/5/2015			1	71
Indiana	78	6/30/2015			78	179
Maryland	1	6/30/2015			1	41
Maine	1	6/30/2015			1	27
Montana	1	6/30/2015			1	61
New York	7	6/30/2015			7	201
Ohio	2	6/30/2015			2	352
South Carolina	9	6/30/2015			9	93
Virginia	6	6/30/2015			6	167
West Virginia	1	6/30/2015			1	61
					204	
There are approximately 5,906 primary and secondary PSAPs in the US.			**204 is 3.45% of 5,906.**			
Source: FCC PSAP Text-to-911 Readiness & Certification Registry & FCC Master PSAP Registry					

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WIRELESS PSAP TESTING – SEPTEMBER 2015

OAHU CIVILIAN - SEPTEMBER 2015						
Date	WSP	Sites Tested	Sectors Tested	Tested By:	Test Pass/Fail	Comments:
9/3/2015	Verizon	1	3	Oahu PSAP	Pass	only 3 of 9 sectors tested

NOTES:

- **There was one (1) scheduled 911 Test call for the Oahu Civilian PSAP in September 2015.**

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2. MSAG (MASTER STREET ADDRESS GUIDE)

CURRENT MONTH – SEPTEMBER 2015

OAHU CIVILIAN	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
SEPT	1,272	1,209	1	4	3	55	222,151

MSAG CURRENT MONTH NOTES:

A total of **1,321** MSAG transactions were processed in 9-1-1 Net during the month of September 2015. **1,272** requests were processed relating to the MSAG database, and **49** requests relating to the ALI database (see ALI Transaction chart on next page). There were **222,151** customer ANI/ALI (telephone/address) records updated as a direct result.

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

OAHU CIVILIAN	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
JAN	40	25	2	13	0	0	405
FEB	7	4	0	2	1	0	202
MAR	715	694	1	7	1	12	20,371
APR	1,014	988	7	3	5	11	25,238
MAY	869	850	1	2	2	14	16,168
JUNE	1,087	1,039	1	8	3	36	38,630
JULY	1,327	1,283	4	17	2	21	78,788
AUG	903	866	2	0	3	32	82,310
SEPT	1,272	1,209	1	4	3	55	222,151
OCT							
NOV							
DEC							
TOTAL YTD	**7,234**	**6,958**	**19**	**56**	**20**	**181**	**484,263**
AVG PER MONTH	**804**	**773**	**2**	**6**	**2**	**20**	**53,807**

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ALI TRANSACTIONS CURRENT MONTH – SEPTEMBER 2015

OAHU CIVILIAN		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	TOTAL	TN CR (A)	ALI-DR (B)	VoIP DR (C)	TN CR	ALI-DR	VoIP DR
SEPT	49	49	0	0	304	0	0

Definitions
(A) **T**elephone **N**umber **C**hange **R**equest - Represents address corrections on a specific TN or group of TNs. These "invalid" TNs usually have an associated ESN 199 attached to them which indicates the need for validation.
(B) **A**utomatic **L**ocation **I**nformation **D**iscrepancy **R**ecord - Represents an address discrepancy discovered during a live 9-1-1 call, from a landline. These record corrections are treated with a higher priority and should be processed within 48 hours as a general guideline.
(C) **V**oice **o**ver **I**nternet **P**rotocol **D**iscrepancy **R**ecord - Represents an address discrepancy discovered during a live 9-1-1 call, from a VoIP phone. These record corrections are treated with a higher priority and should be processed within 72 hours as a general guideline per Time Warner Operations Center. MSR tracking effective April 2014.

ALI TRANSACTIONS CURRENT MONTH NOTES:

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

OPEN DISCREPANCY RECORDS STATUS:

- There are 304 Open Telephone Number Change Requests as of September 30, 2015.
- Refer to chart in the next section "TNCR Current Status"

The TNCRs are a direct result of the ESN 199 clean-up and are awaiting approval from Hawaiian Telcom, Inc. Akimeka continues to monitor and track the progress of the Referred records. Once a telephone number is submitted to Intrado for correction, it must be verified against HT records and/or approved by the customer. Intrado's internal process requires calling each telephone customer individually for approval to update an address in the 9-1-1 database.

There are zero (0) Open ALI-DRs as of September 30, 2015.

There are zero (0) Open VoIP DRs as of September 30, 2015.

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

OAHU CIVILIAN		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	TOTAL	TN CR	ALI-DR	VoIP DR	TN CR	ALI-DR	VoIP DR
JAN	155	153	2	0	328	0	0
FEB	139	139	0	0	245	0	0
MAR	517	516	1	0	242	0	0
APR	670	669	1	0	285	0	0
MAY	24	23	1	0	275	0	0
JUNE	79	79	0	0	467	0	0
JULY	205	204	1	0	263	0	0
AUG	0	0	0	0	263	0	0
SEPT	49	49	0	0	304	0	0
OCT							
NOV							
DEC							
TOTAL YTD	1,838	1,832	6	0			
AVG PER MONTH	204	204	1	0			

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

NOTE:

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

PSAP 9-1-1 Telephone Number Location Change Request (Telephone Number Change Request (TNCR) Status)				
PSAP	**TOTAL TNCR RECORDS SUBMITTED BY AKIMEKA**	**OPENED TNCRS PENDING FURTHER ACTION BY INTRADO**	**OPENED TNCRS REFERRED TO TELCO BY INTRADO**	**TOTAL UNOPENED TNCR RECORDS**
OAHU CIVILIAN	**304**	**11**	**191**	**102**

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

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MSAG COMMUNITIES PROJECT

MSAG COMMUNITY AND STREET SEGMENT SWEEP – PHASE VII

MSAG Community and Street Segment Sweep – Phase VII

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

Below is the latest Phase VII work effort as of **September 30, 2015**:

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

MSAG Community and Street Segment Sweep – Phase VII continued

MSAG COMMUNITY (In Order of Effort)	MSAG COMMUNITY AND STREET SEGMENT SWEEP -- PHASE VII				GIS UPDATES	
	TARGET START DATE	TARGET COMPLETION DATE	AKIMEKA COMPLETION DATE	NOTES/COMMENTS	DATE GIS DELIVERED TO HPD	DATE GIS LOADED TO CAD BY HPD
Waianae	03/13/15	03/24/15	03/09/15		03/20/15	04/02/15
Maili	03/25/15	04/02/15	03/17/15			
Nanakuli	04/03/15	04/13/15	03/27/15		04/06/15	04/17/15
Makakilo	04/14/15	04/28/15	04/15/15		04/17/15	04/29/15
Kapolei	04/29/15	05/21/15	05/19/15		5/1/2015, 5/15/2015	
Kalaeloa	05/22/15	06/08/15	06/08/15		06/12/15	06/25/15
Ewa Beach	06/09/15	07/27/15	07/24/15		06/26/15	07/13/15
Iroquois	07/28/15	08/03/15	07/27/15		07/10/15	07/14/15
Waipahu	08/04/15	09/07/15	08/25/15		08/7/15, 08/21/15	
Kunia	09/08/15	09/11/15	08/26/15			
Waipio	09/14/15	09/29/15	09/18/15		09/18/15	IN PROGRESS
Mililani	09/30/15	11/19/15	IN PROGRESS			
Pearl City	11/20/15	12/17/15				
Aiea	12/18/15	01/26/15				
PC PEN	01/27/15	02/02/15				
McGrew PT	02/03/15	02/04/15				
Halawa	02/05/15	02/08/15				
Makalapa	02/09/15	02/11/15				

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3. GEOGRAPHIC INFORMATION SYSTEM (GIS) – SEPTEMBER 2015

MAPPING LAYERS UPDATED (PART I)

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

OAHU CIVILIAN			
Type of Layer	**Akimeka GIS Server** **Date Created/ Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)		
Address Points	9/30/2015		Added ten (10) new address points in Kaimuki
	9/28/2015		Populated ESN field for address points in ESNs 103-107, 109, 111
	9/24/2015		Populated ESN field for address points in ESNs 110, 112-114, 116-119, 121
	9/23/2015		Added two (2) new address points in Catlin Pk
	9/23/2015		Spatially corrected one (1) address point in Kunia
	9/23/2015		Added routing ID to one (1) address in Kunia
	9/23/2015		Added eighty-eight (88) new address points in Kunia
	9/22/2015		Added sixty-five (65) new address points in Waipahu
	9/22/2015		Added routing ID to one (1) address in Waiaphu
	9/22/2015		Spatially corrected thirty (30) address points in Waipahu
	9/21/2015		Deleted one (1) duplicate address point in Nanakuli
	9/21/2015		Spatially corrected fifty-two (52) address points in Nanakuli
		09/18/15	
	9/18/2015		Spatially corrected sixty-nine (69) address points in Waipio
	9/18/2015		Added routing ID to seven (7) address points in Waipio
	9/18/2015		Added location name to six (6) addresses in Waipio
	9/17/2015		Added one (1) new address point in Waipio
	9/17/2015		Spatially corrected thirty-three (33) address points in Waipio
	9/17/2015		Added location name to three (3) addresses in Waipio
	9/15/2015		Added two (2) new address points in Kapolei
	9/15/2015		Added one (1) new address point in Ewa Beach
	9/15/2015		Added one (1) new address point in Hawaii Kai
	9/14/2015		Corrected location name for twenty-one (21) addresses in Waipio
	9/14/2015		Deleted twenty-one (21) duplicate address points in Waipio
	9/11/2015		Updated name for one (1) address point in Kailua
	9/11/2015		Added one (1) new address point in Downtown
	9/11/2015		Added one (1) new address point in Aiea
	9/10/2015		Added two (2) new address points in Maili
	9/10/2015		Added one (1) new address point in Ewa Beach
	9/10/2015		Added one (1) new address point in Kaaawa
	9/10/2015		Added four (4) new address points in Kapolei
	9/10/2015		Added (2) new address points in Makaha
	9/10/2015		Added one (1) new address point in Mokuleia
	9/10/2015		Added two (2) new address points in Nanakuli
	9/10/2015		Added one (1) new address point in Punaluu

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MAPPING LAYERS UPDATED (PART II)

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

	OAHU CIVILIAN		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS** **Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Address Points	9/10/2015		Added one (1) new address point in Waiamanalo
	9/10/2015		Added one (1) new address point in Waimanalo
	9/9/2015		Added one (1) new address point in Aiea
	9/9/2015		Added one (1) new address point in Ewa Beach
	9/9/2015		Added one (1) new address point in Haleiwa
	9/9/2015		Added one (1) new address point in Hawaii Kai
	9/9/2015		Added one (1) new address point in Honolulu
	9/9/2015		Added two (2) new address points in Waialua
	9/9/2015		Added one (1) new address point in Waipahu
	9/9/2015		Added one (1) new address point in Waipio
	9/8/2015		Added two (2) new address points in Makaha
	9/8/2015		Added one (1) new address point in Waianae
	9/8/2015		Spatially corrected twenty-one (21) address points in Makaha
	9/8/2015		Spatially corrected fifty-eight (58) address points in Waianae
	9/8/2015		Populated building field for twenty-one (21) addresses in Waipio
	9/8/2015		Added location name to twenty-two (22) addresses in Waipio
	9/8/2015		Spatially corrected twenty-two (22) address points in Waipio
	9/8/2015		Added routing ID to twenty-two (22) address points in Waipio
		09/04/15	
	9/4/2015		Added routing ID to one hundred thirty-nine (139) address points in Maili
	9/4/2015		Spatially corrected one (1) address point in Maili
	9/4/2015		Added two (2) new address points in Maili
	9/3/2015		Spatially corrected two hundred seventy-six (276) address points in Nanakuli
	9/3/2015		Added routing ID to seventeen (17) addresses in Maili
	9/2/2015		Deleted one (1) address point in Nanakuli
	9/2/2015		Spatially corrected four hundred sixty-three (463) address points in Nanakuli
	9/2/2015		Populated ESN field for address points in ESNs 120, 122 - 126
Airports			
Bridges			
Building Footprints			

MAPPING LAYERS UPDATED (PART III)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
OAHU CIVILIAN			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Bus Stops			
Churches			
Coastal Names			
Coastline			
Common Places	9/28/2015		Populated ESN field for common places in ESNs 103-107, 109, 111
	9/25/2015		Populated ESN field for common places in ESNs 110, 112-114, 116-119, 121
	9/23/2015		Added one (1) new common place in Catlin Pk
	9/23/2015		Spatially corrected one (1) common place in Kunia
	9/22/2015		Spatially corrected one (1) common place in Waipahu
		09/18/15	
	9/18/2015		Spatially corrected sixty-four (64) common places in Waipio
	9/18/2015		Added five (5) new common places in Waipio
	9/17/2015		Spatially corrected thirty-three (33) common places in Waipio
	9/17/2015		Corrected address for one (1) common place in Waipio
	9/17/2015		Added one (1) new common place in Waipio
	9/15/2015		Added two (2) new common places in Kapolei per the GIS Corrections spreadsheet
	9/15/2015		Added one (1) new common place in Ewa Beach per the GIS Corrections spreadsheet
	9/15/2015		Added one (1) new common place in Hawaii Kai per the GIS Corrections spreadsheet
	9/11/2015		Updated name for one (1) common place in Kailua per the GIS Corrections spreadsheet
	9/11/2015		Added one (1) new common place in Downtown per the GIS Corrections spreadsheet
	9/11/2015		Corrected address for one (1) common place in Aiea per the GIS Corrections spreadsheet

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MAPPING LAYERS UPDATED (PART IV)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
OAHU CIVILIAN			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Common Places	9/10/2015		Added two (2) new common places in Maili per the GIS Corrections spreadsheet
	9/10/2015		Added one (1) new common place in Ewa Beach per the GIS Corrections spreadsheet
	9/10/2015		Added one (1) new common place in Kaaawa per the GIS Corrections spreadsheet
	9/10/2015		Added one (1) new common place in Mokuleia per the GIS Corrections spreadsheet
	9/10/2015		Added one (1) new common place in Punaluu per the GIS Corrections spreadsheet
	9/10/2015		Added one (1) new common place in Waimanalo per the GIS Corrections spreadsheet
	9/10/2015		Added one (1) new common place in Kalaeloa per the GIS Corrections spreadsheet
	9/10/2015		Added four (4) new common places in Kapolei per the GIS Corrections spreadsheet
	9/10/2015		Added two (2) new common places in Makaha per the GIS Corrections spreadsheet
	9/10/2015		Added two (2) new common places in Nanakuli per the GIS Corrections spreadsheet
	9/9/2015		Added two (2) new common places in Waialua per the GIS Corrections spreadsheet
	9/9/2015		Added one (1) new common place in Waipahu per the GIS Corrections spreadsheet
	9/9/2015		Added one (1) new common place in Waipio per the GIS Corrections spreadsheet
	9/9/2015		Added one (1) new common place in Haleiwa per the GIS Corrections spreadsheet
	9/9/2015		Added one (1) new common place in Hawaii Kai per the GIS Corrections spreadsheet
	9/9/2015		Added one (1) new common place in Ewa Beach per the GIS Corrections spreadsheet
	9/9/2015		Added one (1) new common place in Aiea per the GIS Corrections spreadsheet
	9/9/2015		Added one (1) new common place in Honolulu per the GIS Corrections spreadsheet
	9/9/2015		Added one (1) new common place in Kalihi per the GIS Corrections spreadsheet

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MAPPING LAYERS UPDATED (PART V)

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

	OAHU CIVILIAN		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS** **Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
Common Places	9/9/2015		Updated name for three (3) common places in Aiea per the GIS Corrections spreadsheet
	9/9/2015		Updated name for two (2) common places in Airport per the GIS Corrections spreadsheet
	9/9/2015		Updated name for one (1) common place in Ewa Beach per the GIS Corrections spreadsheet
	9/9/2015		Updated name for one (1) common place in Kalihi per the GIS Corrections spreadsheet
	9/9/2015		Updated name for one (1) common place in Moanalua V per the GIS Corrections spreadsheet
	9/9/2015		Updated name for four (4) common places in Kapolei per the GIS Corrections spreadsheet
	9/9/2015		Updated name for one (1) common place in Pearl City per the GIS Corrections spreadsheet
	9/9/2015		Updated name for four (4) common places in Waipahu per the GIS Corrections spreadsheet
	9/8/2015		Added twenty-one (21) new common places in Waipio
		09/04/15	
	9/4/2015		Added two (2) new common places in Maili
	9/4/2015		Spatially corrected one (1) common place in Maili
	9/2/2015		Populated ESN field for common places in ESNs 120, 122 - 126
	9/1/2015		Spatially corrected one (1) common place in Waipio
	9/1/2015		Spatially corrected one (1) common place in Waipahu
Correctional Facilities			
Emergency Callboxes			
Emergency Operation Centers			
Emergency Shelters			

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MAPPING LAYERS UPDATED (PART VI)

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

OAHU CIVILIAN			
Type of Layer	**Akimeka GIS Server** **Date Created/ Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
ESZ/ESN	9/30/2015		Corrected boundaries to ESNs 113, 114, 116, 117, 155, 157
	9/29/2015		Corrected boundaries to ESNs 103, 104, 106, 107
	9/28/2015		Corrected ESN 119/122 boundary
		09/18/15	
	9/17/2015		Corrected ESN 134/151 boundary
		09/04/15	
	9/2/2015		Corrected boundaries for ESNs 124, 125, & 126
	9/1/2015		Corrected boundaries for ESNs 134, 137, & 151
Fire Beats			
Fire Districts			
Fire Response Areas	9/30/2015		Corrected boundaries to STA16, STA12, STA10, STA38
	9/29/2015		Corrected boundaries to STA5, STA7, STA23
	9/28/2015		Corrected STA1/STA4 boundary
		09/18/15	
	9/17/2015		Corrected STA36/STA42 boundary
		09/04/15	
	9/2/2015		Corrected boundaries for STA6, STA31, & STA32
	9/1/2015		Corrected STA36/STA42 boundary
Fire Stations			
Food & Beverage			
Gas Stations			
Gate Codes			

MAPPING LAYERS UPDATED (PART VII)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
OAHU CIVILIAN			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Government Buildings			
Harbors			
Helipads			
Hiking Trails			
Hospitals			
Hydrants			
Hyrdology Layers: Dams Ponds Streams Waterfalls			
Incident Response Areas			
Lodging			
Major Roads			
Medic Beats			

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MAPPING LAYERS UPDATED (PART VIII)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
OAHU CIVILIAN			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Medic Districts			
Medic Response Areas	9/1/2015		Corrected MED10/MED22 boundary
Medic Stations			
Medical Facilities			
Milepost Markers			
MSAG Communities	9/30/2015		Corrected Moanalua V/Mapunapuna boundary
	9/29/2015		Corrected Airport/Moanalua V boundary
	9/28/2015		Corrected boundaries for Nuuanu, Punchbowl, Downtown
		09/18/15	
		09/04/15	
Net Junctions			
Ocean Rescue Boundaries	9/30/2015		Corrected Mobile Responder 102 boundary
Ocean Safety			
Parcels			
Parks			

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MAPPING LAYERS UPDATED (PART IX)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
OAHU CIVILIAN			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Parks Polygon			
Points of Interest			
Police Beats		09/18/15	
	9/16/2015		Corrected Police Beats 557 and 558 according to the HPD written Policies and Procedures
		09/04/15	
	9/2/2015		Corrected Police Beat 556 according to the HPD written Policies and Procedures
Police Districts			
Police Response Areas			
Police Stations			
Post Offices			
Schools			
Street Centerlines	9/30/2015		Split five (5) street segments in Pearl City
	9/30/2015		Split one (1) street segment at the Tripler/Moanalua V boundary
	9/30/2015		Spatially corrected one (1) street segment in Moanalua V
	9/29/2015		Split one (1) segment of Palama St at the Kalihi/Nuuanu boundary
	9/29/2015		Split one (1) segment of Puuloa Rd at the Punchbowl/Nuuanu boundary
	9/29/2015		Split one (1) segment of H1E Fwy at ESN boundary in Honolulu
	9/29/2015		Split one (1) segment of Kilauea Ave at the Kaimuki/Kahala boundary

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MAPPING LAYERS UPDATED (PART X)

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

	OAHU CIVILIAN		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS** **Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
Street Centerlines	9/29/2015		Split one (1) segment of Punahou St at the Makiki/Manoa/Honolulu/McCully boundary
	9/29/2015		Split one (1) segment of Diamond Head Rd at ESN boundary in Kahala
	9/29/2015		Added street name to one (1) street segment in Mililani
	9/29/2015		Spatially corrected sixty-eight (68) street segments in Mililani
	9/28/2015		Populated ESN fields for street segments in ESNs 103-107, 109, 111-114, 116-119, 121
	9/28/2015		Split one (1) segment of Liliha St at the Liliha/Downtown/Nuuanu boundary
	9/28/2015		Split one (1) segment of Nuuanu Ave at the Downtown/Nuuanu boundary
	9/28/2015		Split three (3) street segments at ESN boundaries in Downtown
	9/28/2015		Spatially corrected one (1) segment of Liliha St at the Liliha/Downtown/Nuuanu boundary
	9/28/2015		Spatially corrected one (1) segment of Nuuanu Ave at the Downtown/Nuuanu boundary
	9/28/2015		Spatially corrected three (3) street segments in Downtown
	9/28/2015		Split two (2) segments of Pali Hwy at the Downtown/Punchbowl boundary
	9/28/2015		Split three (3) street segments in Honolulu
	9/28/2015		Split one (1) segment of McCully St in McCully
	9/28/2015		Split one (1) segment of Metcalf St in Manoa
	9/28/2015		Split one (1) segment of Ward Ave at the Honolulu/Punchbowl/Makiki boundary
	9/25/2015		Spatially corrected one hundred one (101) street segments in Mililani
	9/25/2015		Populated ESN fields for street segments in ESN 110
	9/25/2015		Split one (1) street segment at ESN boundary in Manoa
	9/24/2015		Consolidated six (6) street segments in Mililani
	9/24/2015		Spatially corrected one hundred fifty-one (151) street segments in Mililani
	9/23/2015		Deleted one (1) street segment (Hope Ln) in Kunia
	9/23/2015		Consolidated four (4) street segments in Kunia
	9/23/2015		Split three (3) segments of Kunia Dr in Kunia
	9/23/2015		Added one (1) ingress in Kunia
	9/23/2015		Flipped one (1) street segment (Puu Dr) in Kunia
	9/23/2015		Corrected range for six (6) segments of Catlin Dr in Catlin Pk
	9/22/2015		Flipped one (1) segment of Pahu St in Waipahu
	9/22/2015		Split one (1) segment of Pahu St in Waipahu
	9/22/2015		Added four (4) ingresses in Waipahu
	9/22/2015		Corrected street range for one (1) street segment in Waipahu

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MAPPING LAYERS UPDATED (PART XI)

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

	OAHU CIVILIAN		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS** **Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
Street Centerlines	9/22/2015		Added ranges to two (2) street segments in Waipahu
	9/21/2015		Split one (1) segment of Diamond Head Rd at ESN boundary in Kahala
	9/21/2015		Spatially corrected sixty-six (66) street segments in Mililani
		09/18/15	
	9/18/2015		Flipped one (1) street segment in Waipio
	9/18/2015		Consolidated six (6) street segments in Waipio
	9/17/2015		Added thirty-four (34) ingresses in Waipio
	9/17/2015		Added two (2) new street segments in Waipahu
	9/17/2015		Consolidated three (3) segments of Oli Pl in Waipio
	9/17/2015		Split five (5) street segments in Waipio
	9/16/2015		Split seven (7) street segments in Kalihi
	9/16/2015		Spatially corrected fifteen (15) street segments in Kalihi
	9/16/2015		Corrected one-way code for five (5) street segments in Kalihi
	9/15/2015		Split two (2) segments of Lumiauau St in Waipio
	9/15/2015		Added fifty-nine (59) ingresses in Waipio
	9/14/2015		Split one (1) segment of Lumiauau St in Waipio
	9/14/2015		Added sixty (60) ingresses in Waipio
	9/11/2015		Split one (1) street segment in Aiea
	9/11/2015		Added one (1) new street segment in Aiea
	9/11/2015		Split three (3) street segments in Waipio
	9/11/2015		Added twenty-eight (28) ingresses in Waipio
	9/8/2015		Split four (4) street segments in Waipio
	9/8/2015		Added eighteen (18) ingresses in Waipio
	9/8/2015		Corrected parity for one (1) street segment in Waianae
		09/04/15	
	9/4/2015		Split one (1) street segment in Maili
	9/4/2015		Spatially corrected seven (7) street segments in Waipio
	9/4/2015		Consolidated two (2) street segments in Maili
	9/4/2015		Split five (5) street segments in Waipio
	9/4/2015		Added eight (8) ingresses in Maili
	9/4/2015		Added eleven (11) ingresses in Waipio
	9/3/2015		Added three (3) ingresses in Waipio
	9/3/2015		Spatially corrected three (3) street segments in Waipio
	9/3/2015		Split one (1) street segment in Waipio
	9/3/2015		Split one (1) segment of Pakeke St in Maili

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MAPPING LAYERS UPDATED (PART XII)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
OAHU CIVILIAN			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Street Centerlines	9/3/2015		Added six (6) ingresses in Maili
	9/2/2015		Populated ESN fields for street segments in ESNs 120, 122 - 126
	9/2/2015		Split three (3) street segments at ESN boundaries in Kalihi
	9/2/2015		Split one (1) street segment at ESN boundary in Airport
	9/2/2015		Split two (2) street segments at the Ft Shafter/Moanalua V boundary
	9/2/2015		Spatially corrected thirteen (13) street segments in Moanalua V
	9/2/2015		Split two (2) street segments at Police Beat boundaries in Moanalua V
	9/1/2015		Split one (1) segment of Paiwa St at the Waipahu/Waipio boundary
	9/1/2015		Split one (1) segment of Paiwa onto H1E in Waipahu
	9/1/2015		Split one (1) street segment in Waipio
	9/1/2015		Added seven (7) new street segments in Waipahu
	9/1/2015		Added twenty-seven (27) new street segments in Waipio
	9/1/2015		Spatially corrected thirty-two (32) street segments in Waipio
	9/1/2015		Flipped one (1) street segment (Kaulike Dr) in Pearl City
	9/1/2015		Consolidated two (2) segments of Paiwa St in Waipio
Subdivisions			
Tow Jurisdictions			
Tsunami Evacuation Zones			
Tsunami Heights			
Waste Water Plants			

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MAPPING LAYERS UPDATED (PART XIII)

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

	Akimeka GIS Server	Date GIS Delivered	
Type of Layer	**Date Created/ Edits Performed**		**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
WSP Cell Sectors	9/28/2015		Per ATT CRS
	9/22/2015		Per SPPCS CRS
	9/21/2015		Per ATT CRS
		09/18/15	
	9/16/2015		Per ATT CRS
	9/14/2015		Per VZW CRS
	9/9/2015		Per VZW CRS
		09/04/15	
	9/3/2015		Per ATT CRS
	9/2/2015		Per VZW CRS
WSP Cell Towers	9/28/2015		Per ATT CRS
	9/22/2015		Per SPPCS CRS
	9/21/2015		Per ATT CRS
		09/18/15	
	9/16/2015		Per ATT CRS
	9/14/2015		Per VZW CRS
	9/9/2015		Per VZW CRS
		09/04/15	
	9/3/2015		Per ATT CRS
	9/2/2015		Per VZW CRS

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GEOGRAPHIC INFORMATION SYSTEM (GIS) NARRATIVE

GIS KEY ACTIVITIES/UPDATES

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

Date	Key Activities/Updates
9/28/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
9/21/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
9/18/2015	Street Centerlines, Common Places, Police Beats, MSAG Communities to HPD for Motorola CAD
9/18/2015	Street Centerlines, Address Points, and Display Address Points to HFD, EMS, and Ocean Safety for TriTech CAD
9/14/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
9/7/2015	Cell Towers and Cell Sectors for GeoComm at HPD, HFD and EMS
9/4/2015	Street Centerlines, Common Places, Police Beats, MSAG Communities to HPD for Motorola CAD
9/4/2015	Street Centerlines, Address Points, and Display Address Points to HFD, EMS, and Ocean Safety for TriTech CAD

UPCOMING GIS DELIVERABLES SCHEDULE

As it is nearing the end of the year with many holidays ahead in the coming months, an approved schedule for the GIS deliverables has been provided below. Some days may have originally fallen on a holiday so an alternative GIS deliverable schedule around those dates were created.

GIS Deliverable schedule for 2015		
OCT	16	30
NOV	13	27
DEC	11	23

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INTRADO POWERMAP UPLOAD

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

During the September 4, 2015 GIS deliverable, Akimeka received a notification that the Honolulu PowerMap was no longer being used by the customer. Intrado also indicated that Hawaiian Tel was no longer going to be updating the PowerMap server.

POLICE BEATS CORRECTIONS

Background

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

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

Status to Date

Based on HPD PMT's confirmation, Akimeka continued to make corrections to the Police Beats during the month of September 2015. Akimeka corrected boundaries for three (3) Police Beats (556, 557, and 558) and performed routine maintenance on several other Police Beat boundaries.

Upload Process

It was agreed that the Police Beats layer will be uploaded to the current Motorola CAD system given some delays with the new Motorola PremierOne CAD system. During the month of April 2015, Akimeka had worked with HPD PMT to design a new upload procedure that would provide the updated Police Beats into the system, along with other corrected layers now previously loaded to the Motorola CAD system. For more information regarding the latest CAD upload procedure, refer to the May 2015 Monthly Status Report, section on Motorola CAD Upload. Updated Police Beats are continuously delivered with this new process on a bi-monthly update with the other GIS deliverables.

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ESN PROJECT

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

1. The new ESN layer was created based on all of the operational response areas for each agency

2. Review and discussion was held during the meeting and Akimeka was given approval to proceed with preparing documentation to provide HPD with in order for Hawaiian Telcom to program the new ESN numbers and ELTs.

3. Akimeka prepared the final documentation during the month of January 2015 and provided the ELTs, Letter, and supporting attachments to HPD.

4. On February 13, 2014, the letter requesting change to Honolulu ESN numbers and corresponding ELTs were submitted to Hawaiian Telecom.

5. On March 12, 2015, confirmation was received that Honolulu can move forward with new ESNs and under the special project, cannot exceed 50 MSAG transactions per day.

6. On March 16, 2015, Akimeka began processing the MSAG transactions beginning with the approved ESN 184 in Waimanalo

    a. In order to validate the correct information was being displayed at HPD, a group of test phone numbers was gathered to be used to verify the information.

    b. Also on March 16, 2015, processing in MSAG was halted because Akimeka's access to new ESNs was restricted by Intrado. Akimeka followed up and the restriction was removed by end of the day.

7. On March 17, 2015, HPD tested the telephone numbers in ESN 184 and had experienced some issues with the call routing past the call screeners, directly to the dispatcher.

    a. HPD opened a trouble ticket with Intrado and Hawaiian Telcom on the issue

    b. Intrado/Hawaiian Telcom corrected the issue shortly after and notified HPD

8. On March 19, 2015, Akimeka received confirmation that the test phone numbers in ESN 184 were successful at HPD and routed to the call screener

    a. Following the successful, Akimeka was given the ability to backfill the 250 transactions that were lost in order to get caught up with the timeline.

9. Throughout the remainder of March there were no reported issues and the ESN schedule has remained on track.

10. Throughout April, 2015, Akimeka continued processing ESN transactions in the MSAG database and GIS database, coordinating changes between both in an effort to keep synchronized.

11. As of May 21, 2015, Akimeka was given an increase of seventy five (75) daily transactions for the Oahu ESN project by Intrado/Hawaiian Telcom. All other transaction limitations remain the same.

12. Target Start Dates were adjusted in July to reflect the daily transaction increase effective on June 3, 2015. Target completion date is now estimated to be by the end of October, 2015. See the below chart for an up-to-date listing.

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MSAG COMMUNITY	MSAG COMMUNITY ESN PROJECT														
	TARGET START DATE	ESN #	Status	ESN #	Status	ESN #	Status	ESN #	Status	ESN #	Status	ESN	Status	NOTES COMMENTS	TOTAL MSAG RECORDS
Waimanalo	03/16/15	184	100%	183	100%									Complete	112
Kailua	03/19/15	182	100%	181	100%	180	100%	177	100%	176	100%			Complete	386
Kaneohe	03/31/15	182	100%	180	100%	179	100%	177	100%	176	100%	175	100%	Complete	514
Kahaluu	04/15/15	175	100%	174	100%									Complete	35
Kaaawa	04/16/15	173	100%											Complete	24
Punaluu	04/16/15	172	100%											Complete	9
Hauula	04/17/15	172	100%											Complete	31
Laie	04/20/15	172	100%	171	100%									Complete	21
Kahuku	04/21/15	171	100%											Complete	42
Kahuku Range	04/22/15	165												Military	
Sunset	04/23/15	170	100%	159	100%									Complete	59
Haleiwa	04/27/15	159	100%	158	100%									Complete	58
Wahiawa	04/29/15	157	100%											Complete	199
Waialua	05/06/15	158	100%											Complete	58
Mokuleia	05/08/15	158	100%											Complete	49
Makaha	05/11/15	149	100%											Complete	49
Waianae	05/12/15	149	100%											Complete	135
Maili	05/15/15	149	100%	148	100%									Complete	98
Nanakuli	05/19/15	149	100%	148	100%	147	100%	146	100%					Complete	102
Makakilo	06/04/15	143	100%	142	100%									Complete	143
Kapolei	06/09/15	145	100%	144	100%	140	100%	139	100%					Complete	228
Kalaeloa	06/16/15	144	100%	140	100%	139	100%	138	100%					Complete	238
Ewa Beach	06/18/15	141	100%	139	100%	138	100%							Complete	527
Iroquois	06/29/15	138	100%											Complete	39
Waipahu	06/30/15	137	100%	136	100%	135	100%	134	100%	133	100%			Complete	350
Kunia	07/07/15	157	100%	156	100%	155	100%	141	100%					Complete	19
Waipio	07/08/15	151	100%	137	100%	136	100%	134	100%					Complete	149
Mililani	07/10/15	157	100%	154	100%	153	100%	152	100%					Complete	615
Pearl City	07/22/15	134	100%	133	100%	132	100%	131	100%					Complete	241
Aiea	07/28/15	131	100%	130	100%	129	100%							Complete	384
PC Pen	08/05/15	132	100%											Complete	26
McGrew PT	08/05/15	130	100%											Complete	5
Halawa	08/05/15	130	100%											Complete	7
Aliamanu	08/05/15	128	100%	127	100%									Complete	27
Moanalua T	08/06/15	128	100%											Complete	20
Hale Moku	08/06/15	129	100%	128	100%									Complete	30
Maloelap	08/06/15	128	100%											Complete	7
Hokulani	08/07/15	128	100%											Complete	21
Moanalua	08/10/15	128	100%											Complete	14

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MSAG COMMUNITY	MSAG COMMUNITY ESN PROJECT continued													
	TARGET START DATE	ESN #	Status	ESN #	Status	ESN #	Status	ESN #	Status	ESN #	Status	ESN	Status	NOTES COMMENTS	TOTAL MSAG RECORDS
Airport	08/10/15	128	100%	127	100%									Complete	40
Catlin Pk	08/11/15	128	100%	127	100%									Complete	22
Miller Pk	08/11/15	127	100%											Complete	12
Halsey T	08/11/15	127	100%											Complete	24
Radford T	08/11/15	127	100%											Complete	15
Salt Lake	08/12/15	127	100%											Complete	65
Mapunapuna	08/13/15	127	100%											Complete	14
Moanalua V	08/14/15	127	100%											Complete	71
Kalihi	08/17/15	126	100%	125	100%	124	100%	123	100%	122	100%	120	100%	Complete	473
Nuuanu	08/26/15	123	100%	122	100%									Complete	199
Punchbowl	08/31/15	123	100%	119	100%	117	100%							Complete	116
Downtown	09/02/15	119	100%	118	100%									Complete	59
Kakaako	09/02/15	118	100%											Complete	22
Ala Moana	09/03/15	116	100%											Complete	12
Honolulu	09/04/15	119	100%	118	100%	117	100%	116	100%					Complete	128
Makiki	09/08/15	117	100%											Complete	95
Manoa	09/10/15	114	100%	113	100%	112	100%	110	100%					Complete	248
McCully	09/16/15	116	100%	114	100%	110	100%							Complete	96
Kahala	09/18/15	107	100%	106	100%	104	100%	103	100%					Complete	107
Kapahulu	09/22/15	110	100%	109	100%	106	100%							Complete	70
Kaimuki	09/23/15	111	100%	110	100%	109	100%	105	100%	104	100%			Complete	294
Waialae	09/29/15	104	0%	103	0%									In Progress	104
Aina Haina	10/01/15														
Waikiki	10/05/15														
Hawaii Kai	10/07/15														

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MAPFLEX DEPLOYMENT

During the month of August 2015, Intrado moved forward with set schedule for MapFlex implementation for the Oahu PSAPs. The implementation primarily consisted of installations, server configuration etc. and did not include any requests for GIS data or upload procedures.

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

During the month of September 2015, there were continued GIS deliverables into the MapFlex system for Hawaii County, Maui County, and Kauai County. For a chronology prior to September, please see the April thru September 2015 Monthly Status Report. The MapFlex deployment has been primarily concluded, and is now considered a running system capable of receiving updates regularly.

1. Akimeka delivered GIS data to the MapFlex system on the following dates in September 2015
    a. **Hawaii County** – September 8th and September 22nd
    b. **Maui County** – September 9th and September 23rd
    c. **Kauai County** – September 10th and September 24th

On August 13, 2015, Akimeka followed up with Intrado to gather an update on the progress of the Honolulu MapFlex deployment and to receive an update on the timeline for when the system will be ready for data updates. There have been no responses as of September 30, 2015.

POWER911 (VIPER) UPDATE

It was brought to Akimeka's attention that on certain Landline 911 calls, the Comments (Location) field on the Power911 ALI/ANI screen was displaying unusual and confusing information pertaining to the address of the caller. For example, **ALI DR** appeared on the ALI screen in the Comment field which was interpreted by the 911 Call Takers as Ali Drive. ALI DR is a 911 NET term for ALI (automatic location information) Discrepancy Report. Akimeka researched the 911 NET database, the ALI ANI data stream, and after several 911 tests with the PSAP, concluded that the Location Field and the TELCO Comment field from the ALI ANI Data Stream were merged together in the Power911 "ini" file which cause the TELCO information to appear on the Power911 ALI ANI Screen in the Comment Field.

On July 23rd, Akimeka and Intrado resolved this issue by reconfiguring the Power911 "ini" file as to prevent the TELCO Comments from appearing on the Power911 ALI ANI Screen. Future use of the TELCO Comment field appearing on the ALI ANI screen should contain useful information for dispatching purposes.

There were no further discrepancies in the "Location" field on the ALI Screen in the month of September, 2015.

SPAWAR MEETING ON ADDRESSING FOR MCBH

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

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STREET UTILITY CHECK

This is an ongoing project to correct the errors identified. A comparison of the raw CAD generated report from the Street Check Utility was performed between the Street Centerline GIS data on July 7, 2015 and August 7, 2015. The September 18th, 2015 GIS deliverable is currently in progress and is scheduled to be updated to production at the beginning of October.

Street Utility Check				
	First Report 06/01/13	**7/7/2015**	**8/7/2015**	**Improvements/Corrections**
Total Number of GIS Records	26,602	28,201	28,583	Increased by 382 records
Errors Identified				
Zero Errors	5,112	458	440	Decreased by 18 errors
Low > High Errors	3	0	3	Increased by 3 errors
Mixed Parity Errors	1	0		No Change
Changed Parity Errors	105	0		No Change
Address Gap Errors	2,629	0	4	Increased by 4 errors
Address Overlap Errors	423	0	1	Increased by 1 error
Flipped Link Errors	1,030	527	581	Increased by 54 errors
Total Errors	**9,303**	**985**	**1,029**	Increased by 4.5% (44 errors)

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

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

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

4. E9-1-1 DATABASE SYNCHRONIZATION

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

Next Scheduled Database Synchronization – October 2015

AUDIT SUMMARY RESULTS – 2015 -- TBA

AUDIT SUMMARY RESULTS – AUGUST 1, 2015 MSAG VS. JULY 1, 2015 MSAG -- TBA

AUDIT SUMMARY RESULTS – AUGUST 1, 2015 VS. JULY 1, 2015 MSAG -- TBA

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

AUTOMATIC LOCATION IDENTIFICATION (ALI) DISCREPANCY REPORT -- TBA

Hawaii County E9-1-1 Status Report

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Hawaii County E9-1-1 Status Report

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1. PSAP OPERATIONS

9-1-1 CALL VOLUME HAWAII COUNTY PSAPS – SEPTEMBER 2015

(Source: Intrado Viper)

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

	9-1-1 Call Volume															
HAWAII COUNTY PSAPs	**Wireline**		**Wireless**				**VOIP**		**Calls With No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	No. of Other Calls	% of Total Calls
SEPT	17,884	3,501	19.58%	12,157	67.98%	44.21%	55.79%	725	4.05%	6	0.03%	0	0.00%	1,495	8.36%	0	0.00%

CALL VOLUME HAWAII COUNTY PSAP NOTES:

*The percentage of Wireless Phase 2 calls (55.79%) has increased from the number of Wireless Phase 1 calls (44.21 %) in September 2015.

*Call with no Ali = 0.03% - Statewide average = 0.24% August 2015

9-1-1 CALL VOLUME – CALENDAR YEAR 2015

	9-1-1 Call Volume															
HAWAII COUNTY PSAPs	**Wireline**		**Wireless**				**VOIP**		**Calls with No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	No. of Other Calls	% of Total Calls
JAN	19,236	4,158	21.62%	12,597	65.49%	47.56%	52.44%	807	4.20%	4	0.02%	0	0.00%	1,670	8.68%	0	0.00%
FEB	17,222	3,513	20.40%	11,581	67.25%	46.45%	53.55%	707	4.11%	7	0.04%	0	0.00%	1,414	8.21%	0	0.00%
MAR	17,858	3,765	21.08%	11,972	67.04%	49.27%	50.73%	653	3.66%	3	0.02%	0	0.00%	1,465	8.20%	0	0.00%
APR	17,756	3,483	19.62%	11,998	67.57%	48.95%	51.05%	717	4.04%	9	0.05%	0	0.00%	1,549	8.72%	0	0.00%
MAY	18,561	3,534	19.04%	12,546	67.59%	50.22%	49.78%	727	3.92%	5	0.03%	0	0.00%	1,749	9.42%	0	0.00%
JUNE	17,884	3,522	19.69%	12,135	67.85%	46.91%	53.09%	675	3.77%	6	0.03%	0	0.00%	1,546	8.64%	0	0.00%
JULY	18,849	3,787	20.09%	12,622	66.96%	46.04%	53.96%	922	4.89%	15	0.08%	0	0.00%	1,503	7.97%	0	0.00%
AUG	19,572	3,882	19.83%	13,032	66.58%	44.28%	55.72%	826	4.22%	20	0.10%	0	0.00%	1,812	9.26%	0	0.00%
SEPT	17,884	3,501	19.58%	12,157	67.98%	44.21%	55.79%	725	4.05%	6	0.03%	0	0.00%	1,495	8.36%	0	0.00%
OCT																	
NOV																	
DEC																	
YTD	**164,822**	**33,145**		**110,640**				**6,759**		**75**		**0**		**14,203**		**0**	
MON AVG	**18,314**	**3,683**	**20.11%**	**12,293**	**67.15%**	**47.10%**	**52.90%**	**751**	**4.10%**	**8**	**0.04%**	**0**	**0.00%**	**1,578**	**8.61%**	**0**	**0.00%**

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

9-1-1 Call Volume by Agency									
Hawaii Police Department					Hawaii Fire Department				
Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Abandoned Dropped Calls	Number of Other Calls	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Abandoned Dropped Calls	Number of Other Calls
14,146	79.10%	0	1,469	0	2,243	12.54%	0	26	0

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

2015	9-1-1 Call Volume by Agency									
	Hawaii Police Department					Hawaii Fire Department				
	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Abandoned Dropped Calls	Number of Other Calls	Number of Total Calls Received	% of Total Calls	Number of Admin Calls	Number of Abandoned Dropped Calls	Number of Other Calls
January	15,080	78.39%	0	1,633	0	2,486	12.92%	0	37	0
February	13,678	79.42%	0	1,394	0	2,130	12.37%	0	20	0
March	15,722	88.04%	0	1,430	0	2,136	11.96%	0	35	0
April	14,131	79.58%	0	1,521	0	2,076	11.69%	0	28	0
May	14,600	78.66%	0	1,697	0	2,212	11.92%	0	52	0
June	14,363	80.31%	0	1,519	0	1,975	11.04%	0	27	0
July	15,015	79.66%	0	1,456	0	2,331	12.37%	0	47	0
August	15,491	79.15%	0	1,790	0	2,269	11.59%	0	22	0
September	14,146	79.10%	0	1,469	0	2,243	12.54%	0	26	0
October										
November										
December										
YTD	132,226		0	13,909	0	19,858		0	294	0
MON AVG	14,692	80.26%	0	1,545	0	2,206	12.04%	0	33	0

PSAP OPERATION NOTES:

- **Abandoned Calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered. Dropped Calls are hang ups after transfers.**
- **Abandoned Calls are not included in the total of Wireline and Wireless counts respectively.**
- **All VOIP (Voice over internet protocol) types of 911 calls are combined in the Call Volume statistic.**

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TEXT TO 911 – CURRENT MONTH – SEPTEMBER 2015

NOTE:

- State of Hawaii PSAPs are currently in the testing phase with the WSPs (Wireless Service Providers) for Text to 911.
- In the coming months, a chart will be provided for the amount of Text to 911 messages that are received at the PSAP.

FYI…..FOR YOUR INFORMATION

FYI ……….. For Your Information					
TEXT TO 911					
States and the number of PSAPs that are <u>currently</u> accepting Text to 911 at their 911 Centers					
Text Method used at each PSAP varies, they are: Text to TTY, Web Browser, or a Direct IP method					
STATE	**# of PSAPs**	**Date of Compliance**	**# of PSAPs**	**Date of Compliance**	**Total State PSAPs accepting 911 Text**	**Total number of PSAPs in the State**
Colorado	7	6/30/2015	7	9/3/2015	14	217
Illinois	3	6/30/2015	2	9/3/2015	5	376
Michigan	1	9/3/2015			1	200
North Carolina	2	6/30/2015	1	9/3/2015	3	157
New Hampshire	1	9/3/2015			1	6
Pennsylvania	7	6/30/2015	1	9/3/2015	8	88
Texas	57	6/30/2015	1	9/3/2015	58	635
Alabama	3	8/5/2015			3	152
Florida	2	6/30/2015			2	254
Georgia	2	6/30/2015			2	208
Idaho	1	8/5/2015			1	71
Indiana	78	6/30/2015			78	179
Maryland	1	6/30/2015			1	41
Maine	1	6/30/2015			1	27
Montana	1	6/30/2015			1	61
New York	7	6/30/2015			7	201
Ohio	2	6/30/2015			2	352
South Carolina	9	6/30/2015			9	93
Virginia	6	6/30/2015			6	167
West Virginia	1	6/30/2015			1	61
					204	
There are approximately 5,906 primary and secondary PSAPs in the US.				**204 is 3.45% of 5,906.**		
Source: FCC PSAP Text-to-911 Readiness & Certification Registry & FCC Master PSAP Registry					

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WIRELESS PSAP TESTING – SEPTEMBER 2015

HAWAII COUNTY - SEPTEMBER 2015						
Date	WSP	Sites Tested	Sectors Tested	Tested By:	Test Pass/Fail	Comments:
None						

NOTES:

- There were no scheduled Wireless 911 Tests for the month of September 2015.

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2. MSAG (MASTER STREET ADDRESS GUIDE)

MSAG TRANSACTIONS CURRENT MONTH – SEPTEMBER 2015

HAWAII COUNTY	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
SEPTEMBER	43	13	4	10	13	3	190

MSAG CURRENT MONTH NOTES:

A total of **306** MSAG transactions were processed in 9-1-1 Net during the month of September 2015. Forty-three (**43**) requests were processed relating to the MSAG database, and **263** requests relating to the ALI database (see ALI Transaction chart on next page). There were **190** customer ANI/ALI (telephone/address) records updated as a direct result.

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

HAWAII COUNTY	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
JANUARY	86	32	0	37	17	0	149
FEBRUARY	26	5	1	9	9	2	109
MARCH	52	10	3	33	5	1	180
APRIL	74	8	0	55	11	0	276
MAY	32	5	0	24	3	0	256
JUNE	45	5	0	37	3	0	97
JULY	38	23	0	10	3	2	520
AUGUST	31	11	0	16	4	0	653
SEPTEMBER	43	13	4	10	13	3	190
OCTOBER							
NOVEMBER							
DECEMBER							
TOTAL YTD	427	112	8	231	68	8	2,430
AVG PER MONTH	47	12	1	26	8	1	270

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ALI TRANSACTIONS CURRENT MONTH – SEPTEMBER 2015

HAWAII COUNTY		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	TOTAL	TN CR (A)	ALI-DR (B)	VoIP DR (C)	TN CR	ALI-DR	VoIP DR
SEPT	263	260	3	0	1,027	1	0

Definitions
(A) **T**elephone **N**umber **C**hange **R**equest - Represents address corrections on a specific TN or group of TNs. These "invalid" TNs usually have an associated ESN 299 attached to them which indicates the need for validation.
(B) **A**utomatic **L**ocation **I**nformation **D**iscrepancy **R**ecord - Represents an address discrepancy discovered during a live 9-1-1 call, from a landline. These record corrections are treated with a higher priority and should be processed within 48 hours as a general guideline.
(C) **V**oice **o**ver **I**nternet **P**rotocol **D**iscrepancy **R**ecord - Represents an address discrepancy discovered during a live 9-1-1 call, from a VoIP phone. These record corrections are treated with a higher priority and should be processed within 72 hours as a general guideline per Time Warner Operations Center. MSR tracking effective April 2014.

ALI TRANSACTIONS CURRENT MONTH NOTES:

185 Telephone Number Change Requests (TN CR) transactions were processed with MSAG valid addresses, as a result of the ESN 299 clean-up effort. ESN 299 TN CRs must be validated against HT records and approved by the end user Hawaiian Telcom customer before updating the ALI record. Three **(3)** ALI DRs were submitted as the result of 9-1-1 calls from residences in Hawi, Honokaa and Laupahoehoe. Hawaii County Fire submitted a request to Akimeka to update the customer information. Akimeka submitted the ALI DR to Intrado and the addresses have been updated in 9-1-1 Net. In addition, **75** Dispatchable Location transactions were submitted in September for a total of **263** transactions.

OPEN DISCREPANCY RECORDS STATUS:

- **There were no VoIP Discrepancy Requests submitted to Time Warner Cable in September 2015.**
- **Refer to chart in the next section "TNCR Current Status"**

952 Open TN CR transactions are a direct result of the ESN 299 clean-up and are awaiting approval from Hawaiian Telcom, Inc. **75** Open TN CR transactions are a result of the Dispatchable Location project. Akimeka continues to monitor and track the progress of the Referred records. Once a telephone number is submitted to Intrado for correction, it must be verified against HT records and/or approved by the customer. Intrado's internal process requires calling each telephone customer individually for approval to update an address in the 9-1-1 database.

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There is one (1) Open ALI-DR as of September 30, 2015

The ALI DR was the result of 9-1-1 call from a business in Hilo. Hawaii County Fire submitted a request to Akimeka to update the customer information and provided an MSAG valid address. Akimeka submitted the ALI DR to Intrado and the transaction is awaiting approval from the telco.

Intrado will notify Akimeka when the TN has been updated in 9-1-1Net.

There are no Open VoIP DRs as of September 30, 2015

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

HAWAII COUNTY		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	**TOTAL**	**TN CR**	**ALI-DR**	**VoIP DR**	**TN CR**	**ALI-DR**	**VoIP DR**
JAN	82	71	5	6	408	2	2
FEB	104	96	5	3	430	3	0
MAR	170	159	10	1	474	3	0
APR	252	248	3	1	532	3	0
MAY	377	377	0	0	510	3	0
JUNE	254	245	9	0	665	2	0
JULY	314	309	3	2	863	1	0
AUG	345	345	0	0	876	1	0
SEPT	263	260	3	0	1,027	1	0
OCT							
NOV							
DEC							
TOTAL YTD	**2,161**	**2,110**	**38**	**13**			
AVG PER MONTH	**240**	**234**	**4**	**1**			

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DISPATCHABLE LOCATION – STATUS AS OF – SEPTEMBER 2015

NARRATIVE:

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

During the month of September 2015, Akimeka started a pilot project, entering additional location information to a verified MSAG address with multiple telephone numbers. Specifically the **Kings Shops at 690250 Waikoloa Beach Dr., Waikoloa**. The "Dispatchable Location" data is entered into the "Driving Directions" field in the Intrado 9-1-1 Net system, and will display on the Viper Power 911 ALI Screen in the "Exact" field should a 911 call be received from that telephone number. Seventy-five **(75)** Telephone Number Change Requests (TN CR) transactions were processed as a result of the Dispatchable Location Project. These transactions have not been updated in 9-1-1 Net pending research by Hawaiian Tel and Intrado for providing an additional 60 character field in the ALI data stream to accommodate Dispatchable Location information as an alternative to using the "Driving Directions" field. Until this field is created, no further Dispatchable Location transactions will be submitted.

Dispatchable Location				
Common Name Place	**MSAG Address**	**2015**	**Number of TNCR* Transactions Submitted**	**Number of Transactions Processed****
KINGS SHOPS	690250 WAIKOLOA BEACH DR, WAIKOLOA	Aug		
		Sept	75	0
		Oct		
		Nov		
		Dec		
		Total	75	

Definition
Dispatchable Location is defined in the FCC 15-9 Docket as the verified or corroborated street address of the calling party plus additional information such as floor, suite, apartment or similar information that may be needed to adequately identify the location of the calling party.
TNCR* Telephone Number Change Request - Transactions submitted to Intrado to update/edit Dispatchable Location in the Exact field on the ALI Screen.
Processed** may include inactive telephone numbers that were removed from the ALI Database.

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TNCR (TELEPHONE NUMBER CHANGE REQUEST) CURRENT STATUS – SEPTEMBER 2015

NOTE:

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

PSAP 9-1-1 Telephone Number Location Change Request (Telephone Number Change Request (TNCR) Status)				
PSAP	**TOTAL TNCR RECORDS SUBMITTED BY AKIMEKA**	**OPENED TNCRS PENDING FURTHER ACTION BY INTRADO**	**OPENED TNCRS REFERRED TO TELCO BY INTRADO**	**TOTAL UNOPENED TNCR RECORDS**
HAWAII	**1,027**	**161**	**57**	**809**

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

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3. GEOGRAPHIC INFORMATION SYSTEM (GIS) – SEPTEMBER 2015

MAPPING LAYERS UPDATED (PART I)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
	HAWAII COUNTY		
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
Address Points	9/29/2015		Added one (1) address point (171739 Huina Rd) in Mountain View.
	9/28/2015		Spatially corrected seventeen (17) address points in Mountain View.
	9/28/2015		Spatially corrected sixty-seven (67) address points in Ocean View.
	9/25/2015		Spatially corrected ninety-five (95) address points in Keaau.
		09/22/15	
	9/21/2015		Spatially corrected seventy-two (72) address points in Keaau.
	9/16/2015		Corrected address to one (1) address point (170788 Sako Rd) in Kurtistown.
	9/16/2015		Spatially corrected one (1) address point (174231 South Rd) in Mountain View.
	9/15/2015		Added four (4) address points in Captain Cook.
	9/15/2015		Corrected address to four (4) address points in Captain Cook.
	9/15/2015		Added seven (7) address points in Hilo.
	9/15/2015		Corrected address to one (1) address point (765917 Old Government Rd) in Holualoa.
	9/15/2015		Added one (1) address point (474649 Honokaa Waipio Rd) in Honokaa.
	9/15/2015		Added five (5) address points in Kailua Kona.
	9/15/2015		Added three (3) address points (613527 Kawaihae Rd, 640628 Lilinoe Alanui and 645020 Pualahilahi Alanui) in Kamuela.
	9/15/2015		Added two (2) address points (540592 Honomakau Rd and 541148 Mahiai Pl) in Kapaau.
	9/15/2015		Added eight (8) address points in Keaau.
	9/15/2015		Added nine (9) address points in Kurtistown.
	9/15/2015		Added fifteen (15) address points in Mountain View.
	9/15/2015		Added three (3) address points (951233 Kaalaiki Rd, 952522 Kaalaiki Rd and 956027 Mamalahoa Hwy) in Naalehu.
	9/15/2015		Added ten (10) address points in Ocean View.
	9/15/2015		Added twelve (12) address points in Pahoa.
	9/15/2015		Added one (1) address point (272313 Hawaii Belt Rd) in Papaikou.
	9/15/2015		Added two (2) address points (271080 Lalahiwa Rd and 270960 Onohi Loop) in Pepeekeo.
	9/15/2015		Added four (4) address points in Volcano.
	9/15/2015		Added one (1) address point (681704 Kilakila St) in Waikoloa.
	9/15/2015		Completed monthly update on address points.
	9/14/2015		Spatially corrected fifteen (15) address points in Hilo.
	9/11/2015		Corrected location name to eleven (11) address points in Captain Cook.
	9/11/2015		Corrected location name to sixty-nine (69) address points in Hilo.

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MAPPING LAYERS UPDATED (PART II)

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

Type of Layer	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
	Date Created/ Edits Performed		
HAWAII COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Address Points	9/11/2015		Corrected location name to two (2) address points (797199 Mamalahoa Hwy and 765877 Old Government Rd) in Holualoa.
	9/11/2015		Corrected location name to seven (7) address points in Honokaa.
	9/11/2015		Corrected location name to one (1) address point (990165 Crater Rim Dr) in HVNP.
	9/11/2015		Corrected location name to fifteen (15) address points in Kailua Kona.
	9/11/2015		Added one (1) address point (734227 Hawaii Belt Rd) in Kailua Kona.
	9/11/2015		Corrected location name to five (5) address points in Kamuela.
	9/11/2015		Corrected location name to three (3) address points (543597 Akoni Pule Hwy, 543795 Akoni Pule Hwy and 543885 Akoni Pule Hwy A) in Kapaau.
	9/11/2015		Corrected location name to four (4) address points in Keaau.
	9/11/2015		Corrected location name to three (3) address points (797352 Mamalahoa Hwy B, 797399 Mamalahoa Hwy and 797460 Mamalahoa Hwy A) in Kealakekua.
	9/11/2015		Corrected location name to one (1) address point (780221 Makolea St) in Keauhou.
	9/11/2015		Corrected location name to three (3) address points (160119 Orchidland Dr, 160127 Orchidland Dr and 170343 Volcano Rd) in Kurtistown.
	9/11/2015		Corrected location name to six (6) address points in Laupahoehoe.
	9/11/2015		Spatially corrected fifteen (15) address points in Laupahoehoe.
	9/11/2015		Corrected location name to one (1) address point (161299 Moho Rd) in Mountain View.
	9/11/2015		Corrected location name to one (1) address point (951001 Honuapo Rd) in Naalehu.
	9/11/2015		Spatially corrected nine (9) address points in Ninole.
	9/11/2015		Corrected location name to one (1) address point (928924 Leilani Circle Makai) in Ocean View.
	9/11/2015		Spatially corrected twelve (12) address points in Ookala.
	9/11/2015		Corrected location name to two (2) address points (442662 Kalopa Rd A and 421027 OLD Mamalahoa Hwy) in Paauilo.
	9/11/2015		Corrected location name to one (1) address point (961115 Kamani St) in Pahala.
	9/11/2015		Corrected location name to fifteen (15) address points in Pahoa.
	9/11/2015		Corrected location name to one (1) address point (270250 Old Mamalahoa Hwy) in Papaikou.
	9/11/2015		Corrected location name to four (4) address points in Pepeekeo.
	9/11/2015		Corrected location name to five (5) address points in Waikoloa.

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MAPPING LAYERS UPDATED (PART III)

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

	HAWAII COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS** **Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
Address Points	9/10/2015		Corrected location name to one (1) address point (550514 Hawi Rd B) in Hawi.
	9/10/2015		Corrected address to two (2) address points (170 Aikane Loop and 58 Akamai Loop) in Hilo.
	9/10/2015		Corrected location name to two (2) address points (450516 Lehua St and 450690 Pakalana St) in Honokaa.
	9/10/2015		Corrected location name to twenty-nine (29) address points in Kailua Kona.
	9/10/2015		Corrected address to one (1) address point (755795 Alii Dr) in Kailua Kona.
	9/10/2015		Corrected location name to twelve (12) address points in Kamuela.
	9/10/2015		Corrected address to one (1) address point (640292 Puu Pulehu Loop) in Kamuela.
	9/10/2015		Corrected location name to four (4) address points in Kapaau.
	9/10/2015		Corrected location name to seven (7) address points in Kealakekua.
	9/10/2015		Corrected location name to four (4) address points in Keauhou.
	9/10/2015		Corrected location name to one (1) address point (130101 Pohoiki Rd) in Pahoa.
	9/10/2015		Corrected address to one (1) address point (270391 Kaapoko Homestead Rd) in Papaikou.
	9/10/2015		Spatially corrected one (1) address point (270391 Kaapoko Homestead Rd) in Papaikou.
	9/10/2015		Corrected location name to two (2) address points (681871 Lina Poepoe St and 681845 Waikoloa Rd) in Waikoloa.
		09/08/15	
	9/4/2015		Added one (1) address point (170567 Volcano Rd) in Mountain View.
	9/3/2015		Spatially corrected eleven (11) address points in Kailua Kona.
	9/3/2015		Corrected address to one (1) address point (776431 Kilohana St A) in Kailua Kona.
	9/2/2015		Spatially corrected six (6) address points in Keauhou.
	9/2/2015		Corrected location name to three (3) address points (786831 Alii Dr, 786833 Alii Dr and 780261 Manukai St) in Keauhou.
	9/2/2015		Added eighty-six (86) address points in Keauhou.
	9/2/2015		Spatially corrected nine (9) address points in Mountain View.
	9/2/2015		Corrected address to one (1) address point (181869 Volcano Rd) in Volcano.
	9/1/2015		Corrected address to two (2) address points (507 Laukapu St A and B) in Hilo.
	9/1/2015		Added one (1) address point (101 Awa St) in Hilo.
	9/1/2015		Added one (1) address point (990369 Crater Rim Dr) in HVNP
	9/1/2015		Spatially corrected five (5) address points in Kealakekua.
	9/1/2015		Spatially corrected five (5) address points in Keauhou.

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MAPPING LAYERS UPDATED (PART IV)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
HAWAII COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Airports			
Bridges			
Building Footprints			
Bus Stops			
Churches			
Coastal Names			
Coastline			
Common Places			
Correctional Facilities			
Emergency Callboxes			
Emergency Operation Centers			

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MAPPING LAYERS UPDATED (PART V)

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

	HAWAII COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
Emergency Shelters			
ESZ/ESN	9/30/2015		Corrected boundary to six (6) ESNs.
	9/29/2015		Corrected boundary to six (6) ESNs.
	9/25/2015		Corrected boundary to two (2) ESNs (222 and 223).
	9/24/2015		Corrected boundary to eight (8) ESNs.
	9/23/2015		Corrected boundary to ten (10) ESNs.
		09/22/15	
	9/18/2015		Corrected boundary to five (5) ESNs.
	9/17/2015		Corrected boundary to ten (10) ESNs.
	9/16/2015		Corrected boundaries to five (5) ESNs.
	9/11/2015		Corrected boundaries to two (2) ESNs (214 and 215).
	9/10/2015		Corrected boundary to two (2) ESNs (228 and 229).
	9/9/2015		Corrected boundary to eight (8) ESNs.
		09/08/15	
	9/8/2015		Corrected boundary to three ESNs (202, 226 and 227).
	9/8/2015		Deleted one (1) ESN (ESN 202).
	9/4/2015		Corrected boundaries to two (2) ESNs (233 and 234).
	9/3/2015		Corrected boundary to three (3) ESNs (233, 234 and 239).
Fire Beats			
Fire Districts	9/30/2015		Corrected boundary to two (2) Fire Districts (1 and 4).
	9/24/2015		Corrected boundary to five (5) Fire Districts.
	9/23/2015		Corrected boundary to six (6) Fire Districts.
	9/18/2015		Corrected boundary to five (5) Fire Districts.
	9/17/2015		Corrected boundary to six (6) Fire Districts.
	9/10/2015		Corrected boundary to three (3) Fire Districts (11, 19 and 20).
	9/9/2015		Corrected boundary to three (3) Fire Districts (6, 12 and 20).
	9/4/2015		Corrected boundaries to two (2) fire districts (7 and 12).
	9/3/2015		Corrected boundary to three (3) fire districts (7, 12 and 21).
Fire Response Areas			

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MAPPING LAYERS UPDATED (PART VI)

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

	HAWAII COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Fire Stations			
Food & Beverage			
Gas Stations			
Gate Codes			
Government Buildings			
Harbors			
Helipads			
Hiking Trails			
Hospitals			
Hydrants			
Hyrdology Layers: Dams Ponds Streams Waterfalls			

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MAPPING LAYERS UPDATED (PART VII)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
HAWAII COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Incident Response Areas			
Lodging			
Major Roads			
Medic Beats			
Medic Districts			
Medic Response Areas	9/25/2015		Corrected boundary to three (3) Medical Response Areas.
	9/23/2015		Corrected boundary to two (2) Medical Response Areas (3 and 19).
		09/22/15	
	9/18/2015		Corrected boundary to four (4) Medical Response Areas.
	9/10/2015		Corrected boundary to four (4) Medic Response Areas (6, 11, 12 and 20).
		09/08/15	
	9/8/2015		Corrected boundary to two (2) Medic Response Areas (7 and 12).
	9/4/2015		Corrected boundaries to four (4) medic response areas (7, 12, 14 and 16).
Medic Stations			
Medical Facilities			
Milepost Markers			

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MAPPING LAYERS UPDATED (PART VIII)

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

	HAWAII COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/ Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
MSAG Communities	9/30/2015		Corrected boundary to four (4) MSAG Communities.
	9/29/2015		Corrected boundary to five (5) MSAG Communities.
	9/23/2015		Corrected boundary to seven (7) MSAG Communities.
		09/22/15	
	9/22/2015		Corrected boundary to five (5) MSAG Communities.
	9/17/2015		Corrected boundary to four (4) MSAG Communities.
	9/16/2015		Corrected boundaries to four (4) MSAG Communities.
	9/9/2015		Corrected boundary to eight (8) MSAG Communities.
		09/08/15	
	9/8/2015		Corrected boundary to six (6) MSAG Communities.
Net Junctions			
Ocean Rescue Boundaries			
Ocean Safety			
Parcels			
Parks			
Parks Polygon			
Points of Interest		**09/22/15**	
	9/10/2015		Spatially corrected one (1) point of interest (BJS 76 Station) in Kurtistown.
		09/08/15	
	9/2/2015		Spatially corrected one (1) point of interest (Home Depot Hilo) in Hilo.
	9/2/2015		Spatially corrected twenty-two (22) points of interest in Keauhou.
	9/2/2015		Corrected address to eleven (11) points of interest in Keauhou.

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MAPPING LAYERS UPDATED (PART IX)

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

	HAWAII COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Points of Interest	9/2/2015		Corrected name to one (1) point of interest (Keauhou Urgent Care) in Keauhou.
	9/1/2015		Spatially corrected seven (7) points of interest in Kealakekua.
	9/1/2015		Spatially corrected eight (8) points of interest in Keauhou.
Police Beats			
Police Districts	9/30/2015		Corrected boundary to three (3) Police Districts.
	9/23/2015		Corrected boundary to four (4) Police Districts.
	9/17/2015		Corrected boundary to three (3) Police Districts (1, 8 and 9).
	9/9/2015		Corrected boundary to two (2) Police Districts (7 and 9).
	9/8/2015		Corrected boundary to two (2) Police Districts (4 and 5).
Police Response Areas			
Police Stations			
Post Offices			
Schools			
Street Centerlines	9/29/2015		Corrected street name to thirty (30) street segments in Hilo.
	9/29/2015		Corrected street name to thirty-six (36) street segments in Kailua Kona.
	9/29/2015		Corrected street name to eight (8) street segments in Kamuela.
	9/29/2015		Corrected street name to eight (8) street segments in Keaau.
	9/29/2015		Corrected street name to twelve (12) street segments in Keauhou.
	9/29/2015		Added one (1) and split one (1) segment of Huina Rd in Mountain View.
	9/23/2015		Corrected range to two (2) street segments of Old Mamalahoa Hwy in Hakalau.
	9/23/2015		Spatially corrected one (1) segment of Old Mamalahoa Hwy in Hakalau.
		09/22/15	
	9/21/2015		Spatially corrected sixty-five (65) street segments in Keaau.

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MAPPING LAYERS UPDATED (PART X)

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

	HAWAII COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS** **Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
Street Centerlines	9/16/2015		Added one (1) and split one (1) street segment in Kurtistown.
	9/16/2015		Spatially corrected two (2) segments of Volcano Rd in Kurtistown.
	9/16/2015		Merged two (2) segments of South Rd in Kurtistown.
	9/16/2015		Corrected range to one (1) segment of South Rd in Kurtistown.
	9/16/2015		Added one (1) segment of Momona Rd in Mountain View.
	9/16/2015		Corrected range to one (1) segment of South Rd in Mountain View.
	9/16/2015		Spatially corrected one (1) segment of Huina Rd in Mountain View.
	9/16/2015		Deleted one (1) segment of Kahikopele St in Mountain View.
	9/16/2015		Deleted one (1) segment of Kahikopele St in Volcano.
	9/15/2015		Added one (1) street segment in Captain Cook.
	9/15/2015		Spatially corrected twenty-five (25) street segments in Keaau.
	9/15/2015		Completed monthly update on street centerlines.
	9/14/2015		Added one (1) street and split one (1) street in Hilo.
	9/14/2015		Added one (1) street and split two (2) streets in Papaaloa.
	9/14/2015		Spatially corrected one (1) segment of Kapena Rd in Papaaloa.
		09/08/15	
	9/3/2015		Corrected range to three (3) street segments (two segments of Leilani St and one segment of Kilohana St) in Kailua Kona.
	9/3/2015		Merged two (2) street segments of Kilohana St in Kailua Kona.
Subdivisions			
Tow Jurisdictions			
Tsunami Evacuation Zones			
Tsunami Heights			
Waste Water Plants			

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MAPPING LAYERS UPDATED (PART XI)

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

	HAWAII COUNTY		
Type of Layer	**Akimeka GIS Server**	**Date GIS Delivered**	**Other/Remarks**
	Date Created/ Edits Performed		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
WSP Cell Sectors		09/22/15	
	9/22/2015		Per SPPCS CRS
	9/21/2015		Pet ATT CRS
	9/16/2015		Per ATT CRS
		09/08/15	
	9/3/2015		Per ATT CRS
WSP Cell Towers		09/22/15	
	9/22/2015		Per SPPCS CRS
	9/21/2015		Per ATT CRS
	9/16/2015		Per ATT CRS
		09/08/15	
	9/3/2015		Per ATT CRS

GEOGRAPHIC INFORMATION SYSTEM (GIS) NARRATIVES

GIS KEY ACTIVITIES/UPDATES

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

Date	Key Activities/Updates
9/22/2015	MapFlex deliverable which included the following updated layers: Address Points, Cell Sectors, Cell Towers, Common Places, Street Centerlines, MSAG Communities, ESN, Medic Response Areas, Police Response Areas and Fire Response Areas.
9/8/2015	MapFlex deliverable which included the following updated layers: Address Points, Cell Sectors, Cell Towers, Common Places, Street Centerlines, MSAG Communities, ESN, Medic Response Areas, Police Response Areas and Fire Response Areas.

UPCOMING GIS DELIVERABLES SCHEDULE

As it is nearing the end of the year with many holidays ahead in the coming months, an approved schedule for the GIS deliverables has been provided below. Some days may have originally fallen on a holiday so an alternative GIS deliverable schedule around those dates were created.

GIS Deliverable schedule for 2015		
OCT	13	27
NOV	10	24
DEC	8	22

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ADDRESS POINTS AND STREET CENTERLINES UPDATE COMPARISON

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

The Address Points and Street Centerlines layer comparative analysis was completed on the updates received from the Hawai'i County Planning Department on **September 15, 2015**. Results are as follows:

HAWAII COUNTY	Address Points Layer	Street Centerlines Layer
New Addresses Added	87	
Addresses Removed	0	
Address Street Name Changes	0	
Address Street Number Changes	0	
New Street Segments Added		2
Street Segments Removed		0
Street Segment Range Changes		0
Street Segment Name Changes		0

NOTE:

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

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NEXT GENERATION 911 (NG9-1-1) GIS REQUIREMENTS

The transition of E9-1-1 to NG9-1-1 has caused a shift in the focus of the 9-1-1 GIS work. This new focus has centralized the GIS data model with more of an emphasis toward a higher degree of precision, while continuing its foundation on current, accurate, and standardized GIS data, only now to a higher level of exactness.

The NG9-1-1 GIS requirements have repositioned the focal point from generalizations and interpolation on Street Centerlines and civic addressing, to new and more focused requirements of point specific locations utilizing lat/longs, combined with civic addresses to determine a 9-1-1 caller's location from any communications device and from any location.

Akimeka has adapted the NG9-1-1 requirements into their correction processes and has continued working to improve accuracy, completeness, and quality of the GIS data. The redesigned correction process will also promote a higher level of detail, which helps facilitate data consistency and is an important element for interoperability and information sharing across the PSAPs.

During the month of September 2015, Akimeka has focused on correcting the following areas and has established a baseline moving into NG9-1-1:

NG9-1-1 GIS Data Corrections			
GIS Layer Name	**Type of Correction**	**Number of Records Corrected/Modified/Added/Removed**	**Comments/Details**
Address Points	New Address Points	178 Added	Throughout County in 18 communities
	Spatial Correction	340 Corrected	Corrected location of Address Point, recalculated x/y; majority were located in Keaau and Ocean View
	Address	15 Corrected	Throughout County in 8 communities
	Location Name	226 Corrected	Throughout County in 23 communities
Response Boundaries	ESN	28 Corrected	Throughout County
	Fire Districts	15 Corrected	Throughout County
	Medic Response Areas	11 Corrected	Throughout County
	Police Districts	9 Corrected	Throughout County
Street Centerlines	New Streets	6 Added	Streets were in 5 different communities
	Spatial Correction	95 Corrected	Majority of streets were in Keaau
	Range/Parity	7 Corrected	Majority of streets were in HVNP and Kailua Kona
	Split	5 Corrected	Streets were in 4 different communities
	Deleted	2 Removed	Streets were in Mountain View and Volcano
	Name	94 Corrected	Majority were in Hilo and Kailua Kona
	Merged	4 Corrected	Streets were in Kailua Kona and Kurtistown

NOTE:

Response Boundaries include any updates to ESNs, Police Beats, Fire Beats, etc. that pertain to dispatch and response.

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LAVA FLOW AND ALTERNATE ROUTES

During the month of September 2014, Akimeka created two (2) new layers detailing the lava flow nearing Pahoa, in an effort to provide the 911 centers on Hawaii a valuable resource in identifying current and proposed lava flows.

1. In light of the potential consequences to public safety from the current lava flow heading toward Pahoa, Akimeka created two new layers to support the PSAP, "Puna Lava Flow 2014" and "Alternate Routes Lower Puna" to be utilized by the PSAPs.

    a. Akimeka created the layer "Lava Flows", which details the current progress of the lava flow as well as the flow forecast.

    b. Akimeka also created the layer "Alternate Routes Lower Puna", which displays the alternate routes in Lower Puna in the event Hwy 130 becomes obstructed by the lava flow.

    c. The two new layers were first uploaded into PowerMap on September 23rd 2014 and have been available to the dispatchers since and continue to be updated and subsequently uploaded.

    d. During April 2015, Akimeka continued to monitor the activity of the lava flow and updated and uploaded the Lava Flows layer into PowerMap on April 7th 2015.

    e. Akimeka will continue to monitor the activity of the lava flow and will update the Lava Flows layer as necessary. Akimeka will also monitor the status of the Chain of Craters Road and will add it to the Alternate Routes Lower Puna layer if and when it is rebuilt and available as an alternate route.

    f. Due to the vital importance involved in staying apprised of the lava flow progress heading toward Pahoa and the Pacific Ocean, Akimeka will upload the Lava Flows and Alternate Routes Lower Puna layers into PowerMap more frequently than the regularly scheduled PowerMap uploads if necessary.

MAPFLEX DEPLOYMENT

During the month of September 2015, there were continued GIS deliverables into the MapFlex system for Hawaii County, Maui County, and Kauai County. For a chronology prior to September, please see the April thru August 2015 Monthly Status Report. The MapFlex deployment has been primarily concluded, and is now considered a running system capable of receiving updates regularly.

1. Akimeka delivered GIS data to the MapFlex system on the following dates in September 2015
    a. **Hawaii County** – September 8th and September 22nd
    b. **Maui County** – September 9th and September 23rd
    c. **Kauai County** – September 10th and September 24th

POWER911 (VIPER) UPDATE

It was brought to Akimeka's attention that on certain Landline 911 calls, the Comments (Location) field on the Power911 ALI/ANI screen was displaying unusual and confusing information pertaining to the address of the caller. For example, **ALI DR** appeared on the ALI screen in the Comment field which was interpreted by the 911 Call Takers as Ali Drive. ALI DR is a 911 NET term for ALI (automatic location information) Discrepancy Report. Akimeka researched the 911 NET database, the ALI ANI data stream, and after several 911 tests with the PSAP, concluded that the Location Field and the TELCO Comment field from the ALI ANI Data Stream were merged together in the Power911 "ini" file which cause the TELCO information to appear on the Power911 ALI ANI Screen in the Comment Field.

On July 23rd, Akimeka and Intrado resolved this issue by reconfiguring the Power911 "ini" file as to prevent the TELCO Comments from appearing on the Power911 ALI ANI Screen. Future use of the TELCO Comment field appearing on the ALI ANI screen should contain useful information for dispatching purposes.

There were no further discrepancies in the "Location" field on the ALI Screen in the month of September, 2015.

POWERMAP

During the May 14, 2015, 9-1-1 Communications Technical and Finance Committee it was discussed that with the successful implementation of the MapFlex system, the uploads for the PowerMap system are scheduled to be phased out by the end of May 2015.

1. The phase out plan for uploads to PowerMap included the disconnection of the dedicated circuits from Akimeka's office in Kihei, Maui to Hawaii County, Maui County, and Kauai County on May 31, 2015.
    a. This meant that Akimeka would no longer have a connection to the PowerMap at each Neighbor Island to perform uploads and that there will be no technical support of PowerMap. The phasing out of PowerMap was due to the system surpassing its expected lifecycle and it had remained in service for more than 8 years.
2. The phase out plan also included Akimeka's assistance in the removal of GIS data which contains proprietary information to the PSAPs that must be cared for and also includes IPR information from Akimeka.
    a. Akimeka was on site to perform the data removal of PowerMap in **Maui County** on June 12, 2015. Six (6) PowerMap positions were cleaned during this process.
    b. Akimeka was on site to perform the data removal of PowerMap in **Kauai County** on June 23, 2015. Six (6) PowerMap positions were cleaned during this process.
    c. **Hawaii County** IT was previously scheduled to remove the PowerMap positions during the month of July 2015, so that Akimeka can assist in cleaning the positions. However the MapFlex is still not displaying the Phase I polygons correctly for wireless 9-1-1 calls, so HPD will be keeping the PowerMap positions until this can be corrected by Intrado.
    d. There have been no known updates reported during the month of September 2015.

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4. SERVICE REQUESTS TRANSACTIONS

OPEN SERVICE REQUESTS – SEPTEMBER 2015

#	Date	Ticket #	Description	Category	Urgency	Comments
1	08/19/14	716	Updated Address	MSAG	Normal	Submitted to Intrado for Correction. RN

Note* There is one (1) opened service requests pending for September 2015.

SERVICE REQUEST YEAR-TO-DATE (YTD) SUMMARY – 2015

	HAWAII			SERVICE REQUEST CATEGORIES			
2015	**TOTAL**		**Open**	**911 Map**		**MSAG**	
	Created	**Closed**		**Created**	**Closed**	**Created**	**Closed**
2014 Carryover*	▨	▨	6	▨	▨	▨	▨
January	6	10	2	0	0	6	10
February	7	7	2	0	0	7	7
March	14	12	4	0	0	14	12
April	4	5	3	0	0	4	5
May	0	0	3	0	0	0	0
June	7	8	2	0	0	7	8
July	5	6	1	0	0	5	6
August	0	0	1	0	0	0	0
September	3	3	1	0	0	3	3
October							
November							
December	▨	▨					
TOTAL	**46**	**51**	**1**	**0**	**0**	**46**	**51**

NOTE:

- *The 2014 Carryover row indicated the number of Service Requests that were opened in 2014; however, were brought forward into 2015 in an effort to track the service request until completion.
- Detailed information on service tickets is available upon request.

Definitions:	Category	Description
	911 Map	Mapping computer not functioning or displaying properly
	MSAG	Discrepancies with 9-1-1 MSAG addresses

5. E9-1-1 DATABASE SYNCHRONIZATION

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

Next Database Synchronization Report – November 2015

AUDIT SUMMARY RESULTS – NOVEMBER 2015 -- TBA

AUDIT SUMMARY RESULTS – CONTINUED

AUDIT SUMMARY RESULTS COMPARISION – NOVEMBER 1, 2015 VS. AUGUST 1, 2015 -- TBA

AUDIT SUMMARY RESULTS -- TBA

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

AUTOMATIC LOCATION IDENTIFICATION (ALI) DISCREPANCY REPORT -- TBA

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PSAP OPERATIONS

9-1-1 CALL VOLUME MAUI PSAP – SEPTEMBER 2015

(Source: Intrado Viper)

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

9-1-1 Call Volume																
MAUI PSAP		**Wireline**		**Wireless**				**VOIP**		**Calls With No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other Calls	% of Total Calls
SEPT	10,908	2,096	19.22%	7,306	66.98%	58.34%	41.66%	276	2.53%	9	0.08%	0	0.00%	1,221	11.19%	0	0.00%

CALL VOLUME MAUI PSAP NOTES:

*Calls with no Ali 0.08% - Statewide average = 0.24% August 2015

9-1-1 CALL VOLUME MAUI PSAP – CALENDAR YEAR 2015

9-1-1 Call Volume																
MAUI PSAP		**Wireline**		**Wireless**				**VOIP**		**Calls with No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other Calls	% of Total Calls
JAN	11,904	2,411	20.25%	7,697	64.66%	61.96%	38.04%	277	2.33%	13	0.11%	0	0.00%	1,506	12.65%	0	0.00%
FEB	10,934	2,340	21.40%	6,977	63.81%	63.15%	36.85%	255	2.33%	20	0.18%	0	0.00%	1,342	12.27%	0	0.00%
MAR	11,628	2,451	21.84%	7,479	64.32%	63.14%	36.86%	307	2.64%	13	0.11%	0	0.00%	1,378	11.85%	0	0.00%
APR	11,486	2,204	19.19%	7,507	65.36%	61.78%	38.22%	262	2.28%	20	0.17%	0	0.00%	1,493	13.00%	0	0.00%
MAY	11,182	2,368	21.18%	7,181	64.22%	60.66%	39.34%	266	2.38%	18	0.16%	0	0.00%	1,349	12.06%	0	0.00%
JUNE	11,573	2,261	19.54%	7,599	65.66%	59.36%	40.64%	287	2.48%	47	0.41%	0	0.00%	1,379	11.92%	0	0.00%
JULY	12,129	2,378	19.61%	8,004	65.99%	59.86%	40.14%	326	2.69%	12	0.10%	0	0.00%	1,409	11.62%	0	0.00%
AUG	12,306	2,377	19.32%	8,148	66.21%	58.36%	41.64%	298	2.42%	16	0.13%	0	0.00%	1,467	11.92%	0	0.00%
SEPT	10,908	2,096	19.22%	7,306	66.98%	58.34%	41.66%	276	2.53%	9	0.08%	0	0.00%	1,221	11.19%	0	0.00%
OCT																	
NOV																	
DEC																	
YTD	104,050	20,886		67,898				2,554		168		0		12,544		0	
MON AVG	11,561	2,321	20.17%	7,544	65.25%	60.73%	39.27%	284	2.45%	19	0.16%	0	0.00%	1,394	12.05%	0.00	0.00%

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9-1-1 CALL VOLUME MOLOKAI PSAP – SEPTEMBER 2015

9-1-1 Call Volume																	
MOLOKAI PSAP	**Wireline**		**Wireless**				**VOIP**		**Calls With No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other Calls	% of Total Calls
SEPT	440	140	31.82%	250	56.82%	44.00%	56.00%	0	0.00%	6	1.36%	0	0.00%	44	10.00%	0	0.00%

CALL VOLUME MOLOKAI PSAP NOTES:

*Calls with no Ali 1.36% - Statewide average = 0.24% August 2015

9-1-1 CALL VOLUME MOLOKAI PSAP – CALENDAR YEAR 2015

9-1-1 Call Volume																	
MOLOKAI PSAP	**Wireline**		**Wireless**				**VOIP**		**Calls with No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other Calls	% of Total Calls
JAN	371	152	40.97%	176	47.44%	51.70%	48.30%	0	0.00%	2	0.54%	0	0.00%	41	11.05%	0	0.00%
FEB	355	159	44.79%	141	39.72%	55.32%	44.68%	0	0.00%	2	0.56%	0	0.00%	53	14.93%	0	0.00%
MAR	470	191	40.64%	224	47.66%	60.27%	39.73%	0	0.00%	2	0.43%	0	0.00%	53	11.28%	0	0.00%
APR	295	93	31.53%	156	52.88%	45.51%	54.49%	1	0.34%	13	4.41%	0	0.00%	32	10.85%	0	0.00%
MAY	317	109	34.38%	157	49.53%	50.96%	49.04%	3	0.95%	20	6.31%	0	0.00%	28	8.83%	0	0.00%
JUNE	359	99	27.58%	225	62.67%	55.56%	44.44%	1	0.28%	2	0.56%	0	0.00%	32	8.91%	0	0.00%
JULY	359	127	35.38%	190	52.92%	48.95%	51.05%	1	0.28%	3	0.84%	0	0.00%	38	10.58%	0	0.00%
AUG	455	144	31.65%	259	56.92%	55.98%	44.02%	1	0.22%	2	0.44%	0	0.00%	49	10.77%	0	0.00%
SEPT	440	140	31.82%	250	56.82%	44.00%	56.00%	0	0.00%	6	1.36%	0	0.00%	44	10.00%	0	0.00%
OCT																	
NOV																	
DEC																	
YTD	3,421	1,214		1,778				7		52		0		370		0	
MON AVG	380	135	35.41%	198	51.84%	52.03%	47.97%	0.78	0.23%	6	1.72%	0	0.00%	41.111	10.80%	0	0.00%

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9-1-1 CALL VOLUME (COMBINED MAUI & MOLOKAI PSAPS) – SEPTEMBER 2015

			9-1-1 Call Volume														
MAUI COUNTY PSAPs		**Wireline**		**Wireless**				**VOIP Calls**		**Calls With No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other Calls	% of Total Calls
SEPT	11,348	2,236	19.70%	7,556	66.58%	57.86%	42.14%	276	2.43%	15	0.13%	0	0.00%	1,265	11.15%	0	0.00%

9-1-1 CALL VOLUME (COMBINED MAUI & MOLOKAI PSAPS) – CALENDAR YEAR 2015

				9-1-1 Call Volume													
MAUI COUNTY PSAPs		**Wireline**		**Wireless**				**VOIP**		**Calls with No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**	
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other Calls	% of Total Calls
JAN	12,275	2,563	20.88%	7,873	64.14%	61.73%	38.27%	277	2.26%	15	0.12%	0	0.00%	1,547	12.60%	0	0.00%
FEB	11,904	2,499	22.14%	7,118	63.05%	63.00%	37.00%	255	2.26%	22	0.19%	0	0.00%	1,395	12.36%	0	0.00%
MAR	12,098	2,642	21.84%	7,703	63.67%	63.05%	36.95%	307	2.54%	15	0.12%	0	0.00%	1,431	11.83%	0	0.00%
APR	11,781	2,297	19.50%	7,663	65.05%	61.45%	38.55%	263	2.23%	33	0.28%	0	0.00%	1,525	12.94%	0	0.00%
MAY	11,499	2,477	21.54%	7,338	63.81%	60.45%	39.55%	269	2.34%	38	0.33%	0	0.00%	1,377	11.97%	0	0.00%
JUNE	11,932	2,360	19.78%	7,824	65.57%	59.25%	40.75%	288	2.41%	49	0.41%	0	0.00%	1,411	11.83%	0	0.00%
JULY	12,488	2,505	20.06%	8,194	65.61%	59.60%	40.40%	327	2.62%	15	0.12%	0	0.00%	1,447	11.59%	0	0.00%
AUG	12,761	2,521	19.76%	8,407	65.88%	58.28%	41.72%	299	2.34%	18	0.14%	0	0.00%	1,516	11.88%	0	0.00%
SEPT	11,348	2,236	19.70%	7,556	66.58%	57.86%	42.14%	276	2.43%	15	0.13%	0	0.00%	1,265	11.15%	0	0.00%
OCT																	
NOV																	
DEC																	
YTD	108,086	22,100		69,676				2,561		220		0		12,914		0	
MON AVG	12,010	2,456	20.58%	7,742	64.82%	60.52%	39.48%	285	2.38%	24	0.21%	0.00	0.00%	1,435	11.94%	0	0.00%

PSAP OPERATION NOTES:

- **Abandoned Calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered. Dropped Calls are hang ups after transfers.**
- **Abandoned Calls are not included in the Wireline and Wireless total counts respectively.**
- **All VoIP (Voice over Internet Protocol) 911 calls are combined in the Call Volume statistic.**
- **Outgoing 911 calls are included in the totals. These are ringback or callback 911calls made from the Viper System.**

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TEXT TO 911 – CURRENT MONTH – SEPTEMBER 2015

NOTE:

- State of Hawaii PSAPs are currently in the testing phase with the WSPs (Wireless Service Providers) for Text to 911.
- In the coming months, a chart will be provided for the amount of Text to 911 messages that are received at the PSAP.

FYI…..FOR YOUR INFORMATION

FYI ………... For Your Information					
TEXT TO 911					
States and the number of PSAPs that are <u>currently</u> accepting Text to 911 at their 911 Centers					
Text Method used at each PSAP varies, they are: Text to TTY, Web Browser, or a Direct IP method					
STATE	**# of PSAPs**	**Date of Compliance**	**# of PSAPs**	**Date of Compliance**	**Total State PSAPs accepting 911 Text**	**Total number of PSAPs in the State**
Colorado	7	6/30/2015	7	9/3/2015	14	217
Illinois	3	6/30/2015	2	9/3/2015	5	376
Michigan	1	9/3/2015			1	200
North Carolina	2	6/30/2015	1	9/3/2015	3	157
New Hampshire	1	9/3/2015			1	6
Pennsylvania	7	6/30/2015	1	9/3/2015	8	88
Texas	57	6/30/2015	1	9/3/2015	58	635
Alabama	3	8/5/2015			3	152
Florida	2	6/30/2015			2	254
Georgia	2	6/30/2015			2	208
Idaho	1	8/5/2015			1	71
Indiana	78	6/30/2015			78	179
Maryland	1	6/30/2015			1	41
Maine	1	6/30/2015			1	27
Montana	1	6/30/2015			1	61
New York	7	6/30/2015			7	201
Ohio	2	6/30/2015			2	352
South Carolina	9	6/30/2015			9	93
Virginia	6	6/30/2015			6	167
West Virginia	1	6/30/2015			1	61
					204	
There are approximately 5,906 primary and secondary PSAPs in the US. <u>204</u> is 3.45% of 5,906.					
Source: FCC PSAP Text-to-911 Readiness & Certification Registry & FCC Master PSAP Registry					

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WIRELESS PSAP TESTING – SEPTEMBER 2015

MAUI COUNTY - SEPTEMBER 2015						
Date	WSP	Sites Tested	Sectors Tested	Tested By:	Test Pass/Fail	Comments:
None						

NOTES:

- There were no scheduled Wireless 911 Tests in September 2015 for the Maui and Molokai PSAPs.

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MSAG (MASTER STREET ADDRESS GUIDE)

CURRENT MONTH – SEPTEMBER 2015

MAUI COUNTY	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
SEPTEMBER	15	4	0	0	10	1	199

MSAG CURRENT MONTH NOTES:

A total of **199** MSAG transactions were processed in 9-1-1 Net during the month of September 2015. Fifteen (**15**) requests were processed relating to the MSAG database, and **184** requests relating to the ALI database (see ALI Transaction chart on next page). There were 167 customer ANI/ALI (telephone/address) records updated as a direct result.

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

MAUI COUNTY	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
JANUARY	25	6	1	4	14	0	102
FEBRUARY	26	18	0	5	3	0	93
MARCH	12	4	1	6	1	0	237
APRIL	21	7	1	11	2	0	157
MAY	25	19	1	3	2	0	257
JUNE	4	0	0	2	1	1	71
JULY	15	12	0	1	2	0	290
AUGUST	11	2	0	5	4	0	217
SEPTEMBER	15	4	0	0	10	1	199
OCTOBER							
NOVEMBER							
DECEMBER							
TOTAL YTD	154	72	4	37	39	2	1,623
AVG PER MONTH	17	8	0	4	4	0	180

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ALI TRANSACTIONS CURRENT MONTH – SEPTEMBER 2015

MAUI COUNTY		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	TOTAL	TN CR (A)	ALI-DR (B)	VoIP DR (C)	TN CR	ALI-DR	VoIP DR
SEPT	184	180	4	0	1,194	1	0

Definitions
(A) **T**elephone **N**umber **C**hange **R**equest - Represents address corrections on a specific TN or group of TNs. These "invalid" TNs usually have an associated ESN 359/399 attached to them which indicates the need for validation.
(B) **A**utomatic **L**ocation **I**nformation **D**iscrepancy **R**ecord - Represents an address discrepancy discovered during a live 9-1-1 call, from a landline. These record corrections are treated with a higher priority and should be processed within 48 hours as a general guideline.
(C) **V**oice **o**ver **I**nternet **P**rotocol **D**iscrepancy **R**ecord - Represents an address discrepancy discovered during a live 9-1-1 call, from a VoIP phone. These record corrections are treated with a higher priority and should be processed within 72 hours as a general guideline per Time Warner Operations Center. MSR tracking effective April 2014.

ALI TRANSACTIONS CURRENT MONTH NOTES:

180 Telephone Number Change Requests (TN CR) transactions were processed in 9-1-1 Net. **56** TN CR transactions were processed as a result of the ESN 399 clean-up effort. **124** TN CR transactions were processed in order to add Dispatchable Location Information to Queen Kaahumanu Center ALI Records. There were no ALI Discrepancy Request (ALI DR) processed in 9-1-1 Net.

OPEN DISCREPANCY RECORDS STATUS:

- **There are 1,194 Open TN CR Transactions as of September 30, 2015**
- **Refer to chart in the next section "TNCR Current Status"**

The Open TN CR transactions are a direct result of the ESN 399 clean-up and the Dispatchable Location Information ALI Record updates.

Akimeka continues to monitor and track the progress of the ESN 399 Referred records. Once a telephone number is submitted to Intrado for correction, it must be verified against HT records and/or approved by the customer. Intrado's internal process requires calling each telephone customer individually for approval to update an address in the 9-1-1 database

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There is one (1) Open ALI-DR as of September 30, 2015

The Open ALI DR was the result of a 911 call made from a payphone showing an incorrect address in Lahaina. The caller information did not match the displayed location and this discrepancy has been referred to Hawaiian Telcom for verification. Intrado will notify Akimeka when the ALI record has been updated.

 There are no Open VoIP DRs as of September 30, 2015

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

MAUI COUNTY		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	**TOTAL**	**TN CR**	**ALI-DR**	**VoIP DR**	**TN CR**	**ALI-DR**	**VoIP DR**
JAN	92	91	1	0	343	0	0
FEB	45	44	1	0	340	0	0
MAR	215	212	2	1	447	1	0
APR	130	129	1	0	446	0	0
MAY	265	265	0	0	577	0	0
JUNE	226	226	0	0	735	0	0
JULY	208	208	0	0	943	0	0
AUG	332	332	0	0	1,179	0	0
SEPT	184	180	4	0	1,194	1	0
OCT							
NOV							
DEC							
TOTAL YTD	1,697	1,687	9	1			
AVG PER MONTH	189	187	1	0			

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DISPATCHABLE LOCATION – STATUS AS OF – SEPTEMBER 2015

NARRATIVE:

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

During the month of August 2015, Akimeka started a pilot project, entering additional location information to a verified MSAG address with multiple telephone numbers. Specifically the Queen Kaahumanu Shopping Center at 275 Kaahumanu Ave. The "Dispatchable Location" data is entered into the "Driving Directions" field in the Intrado 9-1-1 Net system, and will display on the Viper Power 911 ALI Screen in the "Exact" field should a 911 call be received from that telephone number. Screen shots of the "Before" ALI screen, and the "After" ALI screen with the updated "Dispatchable Location" information visible, were presented to the Dispatch Supervisors. Akimeka received positive feedback from the 911 Dispatch Personnel because the information that the 911 Call Takers will receive, will certainly cut down on the process of determining the exact location of the 911 caller. In addition to this, Akimeka was informed that the Mobile Dispatch Terminals (MDTs) in the Police Vehicles, also are able to view this "Dispatchable Location" information which will reduce the response times for Public Safety. In September, the Dispatchable Location transactions have been temporarily stopped. Transactions have not been updated in 9-1-1 Net pending research by Hawaiian Tel and Intrado for providing an additional 60 character field in the ALI data stream to accommodate Dispatchable Location information as an alternative to using the "Driving Directions" field. Until this field is created, no further Dispatchable Location transactions will be submitted.

Dispatchable Location				
Common Name Place	**MSAG Address**	**2015**	**Number of TNCR* Transactions Submitted**	**Number of Transactions Processed****
Queen Kaahumanu Center	275 Kaahumanu Ave	Aug	244	156
Queen Kaahumanu Center	275 Kaahumanu Ave	Sept	124	143
		Oct		
		Nov		
		Dec		
		Total	368	299

Definition
Dispatchable Location is defined in the FCC 15-9 Docket as the verified or corroborated street address of the calling party plus additional information such as floor, suite, apartment or similar information that may be needed to adequately identify the location of the calling party.
TNCR* Telephone Number Change Request - Transactions submitted to Intrado to update/edit Dispatchable Location in the Exact field on the ALI Screen.
Processed** may include inactive telephone numbers that were removed from the ALI Database.

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

NOTE:

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

PSAP 9-1-1 Telephone Number Location Change Request (Telephone Number Change Request (TNCR) Status)				
PSAP	**TOTAL TNCR RECORDS SUBMITTED BY AKIMEKA**	**OPENED TNCRS PENDING FURTHER ACTION BY INTRADO**	**OPENED TNCRS REFERRED TO TELCO BY INTRADO**	**TOTAL UNOPENED TNCR RECORDS**
MAUI	**891**	**92**	**69**	**730**
MOLOKAI	**303**	**17**	**19**	**267**
TOTAL	**1,194**	**109**	**88**	**997**

STATUS
TOTAL TNCRs SUBMITTED - The total number of TNCR requests for modification that have been submitted in 9-1-1 NET. This includes the 399 and 359 clean up effort, and the "Dispatchable Location" project.
PENDING STATUS - TNCRs assigned this status are requests which have been reviewed by the 9-1-1 Database Service Provider Data Analyst, and are pending investigation whether the request is valid or invalid, and/or whether the request requires additional information to validate.
REFERRED STATUS - TNCRs assigned this status are requests which have been reviewed by the 9-1-1 Database Service Provider Data Analyst, and the request requires additional information to validate. The Intrado Data Analysts assigns this status to a TNCR and the request is referred to the telephone service providers for further research.
TOTAL UNOPENED TNCR RECORDS STATUS - The request is submitted by Akimeka on behalf the PSAP; however, processing by the 9-1-1 Database Service Provider Data Analyst has not begun.

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GEOGRAPHIC INFORMATION SYSTEM (GIS) – SEPTEMBER 2015

MAPPING LAYERS UPDATED (PART I)

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

	MAUI COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/ Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
	CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**		
Address Points		09/23/15	
	9/23/2015		Spatially corrected one (1) address point in Kula
	9/22/2015		Corrected one (1) Location Name in Kula
	9/22/2015		Added one hundred thirty-eight (138) addresses in Wailuku
	9/21/2015		Spatially corrected one (1) address in Haiku
	9/21/2015		Added one (1) address in Haiku
	9/21/2015		Added one (1) address in Hana
	9/21/2015		Added seventy-one (71) addresses in Kaanapali
	9/21/2015		Spatially corrected one (1) address point in Kaanapali
	9/21/2015		Added one (1) address in Kaunakakai
	9/21/2015		Added thirty-six (36) addresses in Lahaina
	9/21/2015		Spatially corrected one (1) address point in Lahaina
	9/21/2015		Added one (1) address in Wailea
	9/21/2015		Added Location Names to six (6) addresses in Wailea
	9/21/2015		Added alias Location Name for five (5) addresses in Wailea
	9/18/2015		Added one (1) address in Wailuku
	9/18/2015		Added one hundred twenty-one (121) address points in Wailea
	9/18/2015		Spatially corrected ten (10) address points in Wailea
	9/18/2015		Corrected nine (9) addresses in Wailea
	9/18/2015		Added an alias Location Name for one (1) address in Wailea
	9/17/2015		Added one (1) address in Haiku
	9/17/2015		Added two (2) addresses in Hana
	9/17/2015		Spatially corrected one (1) address point in Hana
	9/17/2015		Corrected Location Name for one (1) address in Kihei per Maui Dispatch
	9/17/2015		Added one (1) MSAG address in Kula
	9/17/2015		Added two (2) POI addresses in Wailea
	9/11/2015		Spatially corrected one (1) address point in Kula
		09/09/15	
	9/9/2015		Added one (1) address in Kaanapali
	9/8/2015		Added one (1) address in Kaanapali
	9/4/2015		Added four (4) addresses in Kihei
	9/4/2015		Spatially corrected one hundred eighty-six (186) address points in Kihei
	9/1/2015		Spatially corrected twenty-five (25) address points in Wailea
	9/1/2015		Spatially corrected twenty-nine (29) address points in Waikapu
	9/1/2015		Changed one (1) address in Lahaina per DSA
	9/1/2015		Added one (1) address in Haiku

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MAPPING LAYERS UPDATED (PART II)

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

MAUI COUNTY			
Type of Layer	**Akimeka GIS Server** **Date Created/ Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Airports			
Bridges			
Building Footprints			
Bus Stops			
Churches			
Coastal Names			
Coastline			
Common Places			
Correctional Facilities			
Emergency Callboxes			
Emergency Operation Centers			
Emergency Shelters			

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MAPPING LAYERS UPDATED (PART III)

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

MAUI COUNTY			
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
ESZ/ESN		**09/23/15**	
	9/11/2015		Modified boundary of ESN 351, 352 and 354 to match spatially corrected street centerlines
		09/09/15	
Fire Beats			
Fire Districts			
Fire Response Areas			
Fire Stations			
Food & Beverage			
Gas Stations			
Gate Codes			
Government Buildings			
Harbors			
Helipads			
Hiking Trails			

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MAPPING LAYERS UPDATED (PART IV)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
MAUI COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Hospitals			
Hydrants			
Hyrdology Layers: Dams Ponds Streams Waterfalls			
Incident Response Areas			
Lodging			
Major Roads			
Medic Beats			
Medic Districts			
Medic Response Areas			
Medic Stations			
Medical Facilities			

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MAPPING LAYERS UPDATED (PART V)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
MAUI COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Milepost Markers			
MSAG Communities			
Net Junctions			
Ocean Rescue Boundaries			
Ocean Safety			
Parcels			
Parks			
Parks Polygon			
Points of Interest	9/1/2015	**09/09/15**	Corrected the Full Address of two hundred seventeen (217) address points. Spatially corrected one (1) POI.
Police Beats	9/11/2015	**09/23/15**	Modified boundary of Beat 1-30, 1-31, 1-32 and 1-33 to match spatially corrected street centerlines
Police Districts		**09/09/15**	

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MAPPING LAYERS UPDATED (PART VI)

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

MAUI COUNTY			
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS** **Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Police Response Areas			
Police Stations			
Post Offices			
Schools			
Street Centerlines	9/25/2015		Modified range for five (5) street centerline segments in Wailuku
		09/23/15	
	9/23/2015		Corrected street name in Lahaina
	9/22/2015		Split centerline in Wailuku
	9/22/2015		Added fourteen (14) street centerline segments in Wailuku
	9/17/2015		Modified range for one (1) street centerline segment in Lahaina
	9/11/2015		Spatially corrected two (2) street centerline segments in Kula to match Police and ESN boundaries
	9/11/2015		Calculated Cost for one (1) street centerline segment in Lanai
		09/09/15	
	9/8/2015		Modified one (1) street centerline range in Kahului
	9/3/2015		Spatially corrected fifty (50) street centerline segments in Kihei
	9/2/2015		Spatially corrected fifty-four (54) street centerline segments in Kihei
	9/1/2015		Spatially corrected twenty-two (22) street centerline segments in Kihei
Subdivisions		**09/23/15**	
	9/18/2015		Added one (1) subdivision in Wailea
Tow Jurisdictions			
Tsunami Evacuation Zones			

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MAPPING LAYERS UPDATED (PART VII)

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

	Akimeka GIS Server	Date GIS Delivered	Other/Remarks
Type of Layer	**Date Created/ Edits Performed**		
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Tsunami Heights			
Waste Water Plants			
WSP Cell Sectors	9/28/2015		Per ATT CRS
	9/28/2015		Per SPPCS CRS
		09/23/15	
	9/21/2015		Per ATT CRS
	9/21/2015		Per SPPCS CRS
	9/16/2015		Per ATT CRS
	9/14/2015		Per VZW CRS
		09/09/15	
	9/9/2015		Per ATT CRS
	9/3/2015		Per ATT CRS
WSP Cell Towers	9/28/2015		Per ATT CRS
	9/28/2015		Per SPPCS CRS
		09/23/15	
	9/21/2015		Per ATT CRS
	9/21/2015		Per SPPCS CRS
	9/16/2015		Per ATT CRS
	9/14/2015		Per VZW CRS
		09/09/15	
	9/9/2015		Per ATT CRS
	9/3/2015		Per ATT CRS

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.**

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GEOGRAPHIC INFORMATION SYSTEM (GIS) NARRATIVES

GIS KEY ACTIVITIES/UPDATES

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

Date	Key Activities/Updates
9/23/2015	Prepared and delivered the following data for the Intergraph CAD map: Maui Cell Coverage .csv, .str, .rte and .map which included updated Address Points, Police Beats, Subdivisions, Street Centerlines and WSP Cell Towers
9/23/2015	Delivered the following data for MapFlex: Address Points, Points of Interest, Street Centerlines, WSP Cell Towers and WSP Cell Sectors
9/23/2015	Added street centerline labels, deleted duplicate street centerline labels and duplicate stream labels
9/16/2015	Conducted field work of shopping centers in Wailea, Lahaina and Kaanapali
9/9/2015	Delivered the following data for MapFlex: Address Points, Points of Interest, Street Centerlines, WSP Cell Towers and WSP Cell Sectors
9/9/2015	Delivered the following data for the Intergraph CAD map: Maui Cell Coverage .csv, .str, .rte and .map which included updated Address Points, Points of Interest, Street Centerlines and WSP Cell Towers

UPCOMING GIS DELIVERABLES SCHEDULE

As it is nearing the end of the year with many holidays ahead in the coming months, an approved schedule for the GIS deliverables has been provided below. Some days may have originally fallen on a holiday so an alternative GIS deliverable schedule around those dates were created.

GIS Deliverable schedule for 2015		
OCT	14	28
NOV	10	25
DEC	9	23

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NEXT GENERATION 911 (NG9-1-1) GIS REQUIREMENTS

The transition of E9-1-1 to NG9-1-1 has caused a shift in the focus of the 9-1-1 GIS work. This new focus has centralized the GIS data model with more of an emphasis toward a higher degree of precision, while continuing its foundation on current, accurate, and standardized GIS data, only now to a higher level of exactness.

The NG9-1-1 GIS requirements have repositioned the focal point from generalizations and interpolation on Street Centerlines and civic addressing, to new and more focused requirements of point specific locations utilizing lat/longs, combined with civic addresses to determine a 9-1-1 caller's location from any communications device and from any location.

Akimeka has adapted the NG9-1-1 requirements into their correction processes and has continued working to improve accuracy, completeness, and quality of the GIS data. The redesigned correction process will also promote a higher level of detail, which helps facilitate data consistency and is an important element for interoperability and information sharing across the PSAPs.

During the month of September 2015, Akimeka has focused on correcting the following areas and has established a baseline moving into NG9-1-1:

NG9-1-1 GIS Data Corrections			
GIS Layer Name	**Type of Correction**	**Number of Records Corrected/Modified/Added/Removed**	**Comments/Details**
Address Points	Addition	384	Addresses assigned by DSA, DSA Address Layer, MSAG and field verifications
	Spatially Corrected	256	Corrected location of address point, recalculated x/y
	Correction	9	Correction of address
	Change	1	DSA reassigns an address
	Neighborhood Info	0	Added Neighborhood Info
	Location Name	14	Added or Changed Location Name
Response Boundaries	Spatially Corrected	7	Boundary corrections to match spatially corrected street centerlines. Layers include ESN and Police Beats.
Street Centerlines	Addition	14	Added a street centerline segment
	Range Segments	7	Modification of a range
	Spatially Corrected	129	Corrected using Pictometry
	Partial Correction	0	Corrected using Pictometry
	Corrected Name	1	Corrected Street Name

NOTE:

- Response Boundaries include any updates to ESNs, Police Beats, Fire Beats, etc. that pertain to Dispatch and Response.

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INTERGRAPH CAD UPGRADE

From April through June 2014, the Maui Police Department worked to upgrade their Intergraph CAD system to the more recent 2014 version. Through this upgrade process, new improvements were identified and the overall functionality of the system from the Map Build process to the Production workstation made significant enhancements in order to streamline the deliverables and continue providing accurate data to the PSAP.

1. Akimeka successfully delivered an updated Intergraph CAD map on September 9, 2015 which included:
    a. Address Points, Points of Interest, Street Centerlines and WSP Cell Towers
    b. .map, .str, .rte, CAD Map Build database and Cell Coverage.csv
2. On September 23, 2015, the following data was prepared and delivered for an Intergraph CAD Map update:
    a. Address Points, Police Beats, Street Centerlines, Subdivisions and WSP Cell Towers
    b. The .map, .str, .rte, CAD Map Build database and Cell Coverage.csv were also delivered.
3. Through the month of September, Akimeka deleted overlapping and crowded Street Centerline and Stream labels. New Street Centerline labels were also added. This continues to be a work in progress.

During October 2015, the Intergraph CAD map will continue to be delivered on a bi-monthly basis, which has been coordinated with all mapping system updates and synchronizations with other 911 databases.

MAPFLEX DEPLOYMENT

During the month of September 2015, there were continued GIS deliverables into the MapFlex system for Hawaii County, Maui County, and Kauai County. For a chronology prior to September, please see the April thru September 2015 Monthly Status Report. The MapFlex deployment has been primarily concluded, and is now considered a running system capable of receiving updates regularly.

1. Akimeka delivered GIS data to the MapFlex system on the following dates in September 2015
    a. **Hawaii County** – September 8th and September 22nd
    b. **Maui County** – September 9th and September 23rd
    c. **Kauai County** – September 10th and September 24th

Maui County E9-1-1 Status Report

September 1, 2015 - September 30, 2015

POWER911 (VIPER) UPDATE

It was brought to Akimeka's attention that on certain Landline 911 calls, the Comments (Location) field on the Power911 ALI/ANI screen was displaying unusual and confusing information pertaining to the address of the caller. For example, **ALI DR** appeared on the ALI screen in the Comment field which was interpreted by the 911 Call Takers as Ali Drive. ALI DR is a 911 NET term for ALI (automatic location information) Discrepancy Report. Akimeka researched the 911 NET database, the ALI ANI data stream, and after several 911 tests with the PSAP, concluded that the Location Field and the TELCO Comment field from the ALI ANI Data Stream were merged together in the Power911 "ini" file which cause the TELCO information to appear on the Power911 ALI ANI Screen in the Comment Field.

On July 23rd, Akimeka and Intrado resolved this issue by reconfiguring the Power911 "ini" file as to prevent the TELCO Comments from appearing on the Power911 ALI ANI Screen. Future use of the TELCO Comment field appearing on the ALI ANI screen should contain useful information for dispatching purposes.

There were no further discrepancies in the "Location" field on the ALI Screen in the month of September, 2015.

POWERMAP

During the May 14, 2015, 9-1-1 Communications Technical and Finance Committee it was discussed that with the successful implementation of the MapFlex system, the uploads for the PowerMap system are scheduled to be phased out by the end of May 2015.

1. The phase out plan for uploads to PowerMap included the disconnection of the dedicated circuits from Akimeka's office in Kihei, Maui to Hawaii County, Maui County, and Kauai County on May 31, 2015.
    a. This meant that Akimeka would no longer have a connection to the PowerMap at each Neighbor Island to perform uploads and that there will be no technical support of PowerMap. The phasing out of PowerMap was due to the system surpassing its expected lifecycle and it had remained in service for more than 8 years.
2. The phase out plan also included Akimeka's assistance in the removal of GIS data which contains proprietary information to the PSAPs that must be cared for and also includes IPR information from Akimeka.
    a. Akimeka was on site to perform the data removal of PowerMap in **Maui County** on June 12, 2015. Six (6) PowerMap positions were cleaned during this process.
    b. Akimeka was on site to perform the data removal of PowerMap in **Kauai County** on June 23, 2015. Six (6) PowerMap positions were cleaned during this process.
    c. **Hawaii County** IT was previously scheduled to remove the PowerMap positions during the month of July 2015, so that Akimeka can assist in cleaning the positions. However the MapFlex is still not displaying the Phase I polygons correctly for wireless 9-1-1 calls, so HPD will be keeping the PowerMap positions until this can be corrected by Intrado. There have been no known updates reported during the month of September 2015.

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September 1, 2015 - September 30, 2015

SERVICE REQUESTS TRANSACTIONS

OPEN SERVICE REQUESTS – MAUI PSAP SEPTEMBER 2015

MAUI PSAP						
#	Date	Ticket #	Description	Category	Urgency	Comments
1	9/24/2015	802	Updated Address	MSAG	Normal	TN information has been submitted in 9-1-1 Net. RN

NOTE:

> **There is one (1) Open Service Requests for the Maui PSAP for September 2015.**

MAUI PSAP SERVICE REQUEST YEAR-TO-DATE (YTD) SUMMARY – 2015

MAUI PSAP				SERVICE REQUEST CATEGORIES			
2015	**TOTAL**		Open	**911 Map**		**MSAG**	
	Created	**Closed**		**Created**	**Closed**	**Created**	**Closed**
2014 Carryover*			0				
January	2	2	0	1	1	1	1
February	0	0	0	0	0	0	0
March	4	3	1	0	0	4	3
April	1	1	1	1	1	0	0
May	0	1	0	0	0	0	1
June	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	2	1	1	0	0	2	1
October							
November							
December							
TOTAL	**9**	**8**	1	**2**	**2**	**7**	**6**

NOTE:

- *The 2014 Carry Over row indicated the number of Service Requests that remained opened in 2014.
- Detailed information on service tickets is available upon request.

Definitions:	Category	Description
	911 Map	Mapping computer not functioning or displaying properly.
	MSAG	Discrepancies with 9-1-1 MSAG addresses

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OPEN SERVICE REQUESTS – MOLOKAI PSAP SEPTEMBER 2015

			MOLOKAI PSAP			
#	Date	Ticket #	Description	Category	Urgency	Comments
			NONE			

NOTE:

There are no Open Service Requests for the Molokai PSAP for September 2015.

MOLOKAI PSAP SERVICE REQUEST YEAR-TO-DATE (YTD) SUMMARY – 2015

MOLOKAI PSAP				SERVICE REQUEST CATEGORIES			
2015	**TOTAL**		**Open**	**911 Map**		**MSAG**	
	Created	**Closed**		**Created**	**Closed**	**Created**	**Closed**
2014 Carryover*			0				
January	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0
March	1	1	0	0	0	1	1
April	1	1	0	0	0	1	1
May	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	2	2	0	0	0	2	2
October							
November							
December							
TOTAL	4	4	0	0	0	4	4

NOTE:

- *The 2014 Carry Over row indicated the number of Service Requests that remained opened in 2014.
- Detailed information on service tickets is available upon request.

Definitions:	Category	Description
	911 Map	Mapping computer not functioning or displaying properly.
	MSAG	Discrepancies with 9-1-1 MSAG addresses

5. E9-1-1 DATABASE SYNCHRONIZATION

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

As part of Akimeka's value added services, Akimeka conducted the next quarterly database synchronization audit for Maui County in September 2015.

The database synchronization effort included comparing Maui County's 9-1-1 MSAG against its GIS Street Centerline data. A total number of **2,588** 9-1-1 MSAG (ESN 300 – 357) records were reviewed in the audit and analyzed. Results of the database synchronization audit completed on September 1, 2015 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 – 2015

Maui County E9-1-1 Status Report

September 1, 2015 - September 30, 2015

9-1-1 MSAG TO GIS STREET CENTERLINE AUDIT COMPARISON RESULTS	Notes	As of December 1, 2015		As of March 1, 2015		As of June 1, 2015		As of September 1, 2015	
		9-1-1 MSAG Dated 12-01-15		9-1-1 MSAG Dated 3-01-15		9-1-1 MSAG Dated 6-01-15		9-1-1 MSAG Dated 9-01-15	
		# of Records	%	# of Records	%	# of Records	%	# of Records	%
Total 9-1-1 MSAG Records Reviewed		2,655		2,658		2,661		2,662	
Less: 9-1-1 MSAG Exception Records	(1)	72	2.7%	74	2.78%	74	2.78%	74	2.7%
Net 9-1-1 MSAG Records Eligible for Comparison		2,581		2,584		2,587		2,588	
Total 9-1-1 MSAG Records Match (9-1-1 MSAG -- GIS Match -- No Corrections Required)		2,577	99.80%	2,584	100.00%	2,587	100.00%	2,588	100.00%
9-1-1 MSAG -- GIS No Match - Minor Correction Required	(2)	4	0.00%	0	0.00%	0	0.00%	0	0.0%
9-1-1 MSAG Record With No GIS Record	(3)	0	0.00%	0	0.00%	0	0.00%	0	0.0%
Total 9-1-1 MSAG Records No Match		4	0.20%	0	0.00%	0	0.00%	0	0.0%

AUDIT SUMMARY 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.**

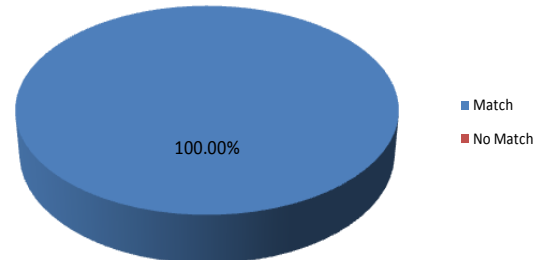MSAG AUDIT SUMMARY RESULTS – SEPTEMBER 1, 2015 - JUNE 1, 2015

Maui County E9-1-1 Status Report

September 1, 2015 - September 30, 2015

9-1-1 MSAG Dated 09-01-15

100.00%

■ Match
■ No Match

9-1-1 MSAG Dated 06-01-15

100.00%
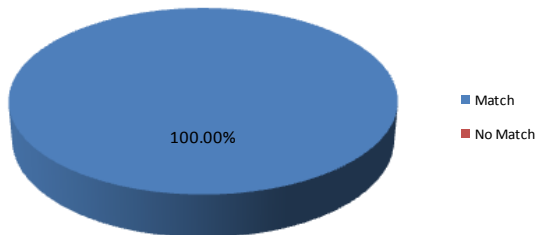
■ Match
■ No Match

NOTE:

Maui County's level of accuracy or 9-1-1 Match percentage remained constant

at 100% as of June 1, 2015 to 100% as of September 1, 2015

NENA Recommended Match Rate = 98%

MSAG AUDIT SUMMARY RESULTS NOTES:

- **"MSAG - GIS Minor Corrections" remained constant with zero from June 2015 to September 2015 respectively. The zero minor corrections is primarily the result of edits made to the GIS Street Centerlines layer in order to meet new NG9-1-1 requirements. Low and high address ranges were then 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" remained constant with zero from June 2015 to September 2015 respectively. The total of zero MSAG Record with No GIS Record was 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 Minor Corrections" remained constant with zero from June 2015 to September 2015 respectively. Low and high address ranges, street suffix, and MSAG Community were adjusted in the GIS to correspond with the MSAG record.**
- **"MSAG records that don't match GIS" remained constant with zero from June 2015 to September 2015 respectively. The total of zero MSAG Records not matching the GIS database resulted in a combination of corrections to the GIS and MSAG databases have been processed in order to meet NG9-1-1 requirements.**
- **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".**

INVALID MSAG STREETS AND ADDRESS RANGES – ESN X99 RECORDS

Maui County E9-1-1 Status Report

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Hawaiian Telcom, Inc. (HTI) provides Maui County and Akimeka, as the PSAP's agent, with access and visibility to the ESN 359/399 MSAG records which are "known" invalid streets and address ranges. Results of the data provided are as follows:

PSAP	ESN	Invalid MSAG Records					
		9-1-1 MSAG Dated 03-01-15		9-1-1 MSAG Dated 06-01-15		9-1-1 MSAG Dated 09-01-15	
		# of Records	% of Total MSAG Records (Valid and Invalid)	# of Records	% of Total MSAG Records (Valid and Invalid)	# of Records	% of Total MSAG Records (Valid and Invalid)
MAUI	399	120	4.7%	104	4.1%	100	3.9%
MOLOKAI	359	42	16.2%	32	12.5%	28	11.1%
TOTAL MAUI		162	5.7%	136	4.9%	128	4.6%

AUTOMATIC LOCATION IDENTIFICATION (ALI) DISCREPANCY REPORT

Maui County E9-1-1 Status Report

September 1, 2015 - September 30, 2015

As part of Akimeka's ongoing database synchronization efforts, Akimeka reviewed and summarized the ALI discrepancy reports by community for Maui County. As of September 28, 2015, **2,062** ESN 399 (Maui/Lanai) and ESN 359 (Molokai) records, representing **3%** of Maui County's total ALI records, require research and corrective action, if needed.

Maui County ALI Records as of September 28, 2015

- 3.0%
- 97.0%
- ESN 300
- ESN 399
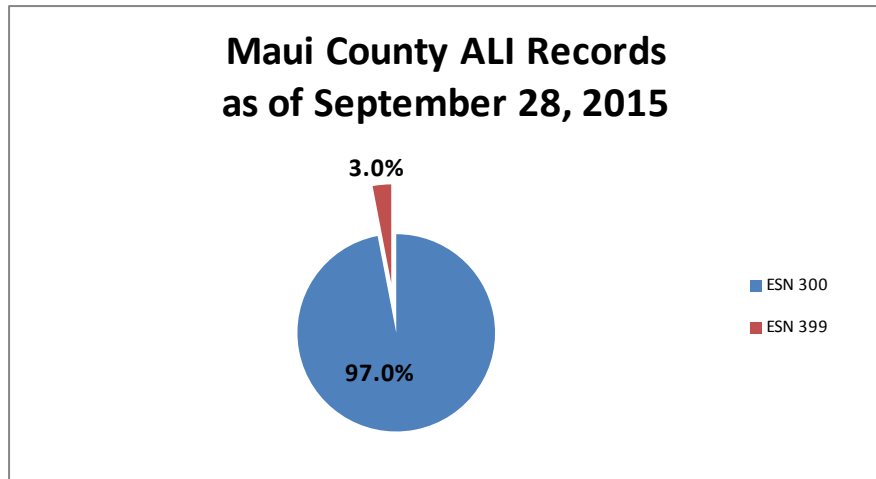
THE TOTAL NUMBER OF ALI RECORDS REMAINS RELATIVELY CONSISTENT.

NOTES:

The number of ESN 359/399 ALI records decreased from 2,103 to 2,062 from June 2015 to September 2015 respectively. The decrease reflects the work that Akimeka has done since the last database synchronization in June 2015. Extensive research has gone into verifying the invalid TNs against current County data.   This is an ongoing project, as Akimeka continues to research and correct the ESN 359/399 records.

Kauai County E9-1-1 Status Report

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AKIMEKA | HIGH PRIORITY. HIGH IMPACT.

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Kauai County E9-1-1 Status Report

September 1, 2015 - September 30, 2015

1. PSAP OPERATIONS

9-1-1 CALL VOLUME – SEPTEMBER 2015

(**Source: Intrado Viper**)

9-1-1 Call Volume																
KAUAI PSAP		**Wireline**		**Wireless**				**VOIP**		**Calls With No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other	% of Total Calls
Sept	4,665	761	16.31%	2,963	63.52%	47.86%	52.14%	153	3.28%	19	0.41%	0	0.00%	769	16.48%	0	0.00%

9-1-1 CALL VOLUME – CALENDAR YEAR 2015

9-1-1 Call Volume																
KAUAI PSAP		**Wireline**		**Wireless**				**VOIP**		**Calls with No ALI**		**Admin Calls**		**Abandoned Calls**		**Other Calls**
2015	Total 9-1-1 Calls Processed	No. of Wireline Calls	% of Total Calls	No. of Wireless Calls	% of Total Calls	% of Wireless WPH1 Calls	% of Wireless WPH2 Calls	No. of VoIP Calls	% of Total Calls	No. of Calls with No ALI	% of Total Calls	No. of Admin Calls	% of Total Calls	No. of 9-1-1 Abandoned	% of Total Calls	Other	% of Total Calls
JAN	5,155	790	15.32%	3,349	64.97%	48.40%	51.60%	176	3.41%	21	0.41%	0	0.00%	819	15.89%	0	0.00%
FEB	4,738	706	14.90%	3,102	65.47%	50.06%	49.94%	129	2.72%	27	0.57%	0	0.00%	774	16.34%	0	0.00%
MAR	4,365	715	16.38%	2,823	64.67%	46.33%	53.67%	154	3.53%	15	0.34%	0	0.00%	658	15.07%	0	0.00%
APR	4,471	767	17.15%	2,846	63.65%	50.14%	49.86%	134	3.00%	16	0.36%	0	0.00%	708	15.84%	0	0.00%
MAY	4,024	599	14.89%	2,685	66.72%	50.73%	49.27%	107	2.66%	9	0.22%	0	0.00%	624	15.51%	0	0.00%
JUNE	5,830	626	10.74%	3,813	65.40%	52.37%	47.63%	149	2.56%	26	0.45%	0	0.00%	1,216	20.86%	0	0.00%
JULY	5,022	741	14.76%	3,382	67.34%	47.40%	52.60%	158	3.15%	18	0.36%	0	2.95%	723	14.40%	0	0.00%
AUG	4,692	617	13.15%	3,199	68.18%	46.33%	53.67%	148	3.15%	31	0.66%	239	5.09%	697	14.86%	107	2.28%
SEPT	4,665	761	16.31%	2,963	63.52%	47.86%	52.14%	153	3.28%	19	0.41%	0	0.00%	769	16.48%	0	0.00%
OCT																
NOV																
DEC																
YTD	42,962	6,322		28,162				1308		182		239		6,988		107	
MON AVG	4,774	702	14.84%	3,129	65.55%	48.85%	51.15%	145	3.05%	20	0.42%	27	0.89%	776	16.14%	12	0.25%

PSAP OPERATION NOTES:

- **Abandoned Calls represent the number of incoming 9-1-1 calls for which the caller had hung up before a call-taker answered. Dropped Calls are hang ups after transfers.**
- **Abandoned Calls are not included in the total Wireline and Wireless counts respectively.**
- **All VoIP (Voice over Internet Protocol) type of 911 calls is combined in the Call Volume statistic.**
- *Calls with no Ali 0.41% - Statewide average = 0.24% August 2015*

Kauai County E9-1-1 Status Report

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TEXT TO 911 – CURRENT MONTH – SEPTEMBER 2015

NOTE:

- State of Hawaii PSAPs are currently in the testing phase with the WSPs (Wireless Service Providers) for Text to 911.
- In the coming months, a chart will be provided for the amount of Text to 911 messages that are received at the PSAP.

FYI…..FOR YOUR INFORMATION

FYI ……….. For Your Information					
TEXT TO 911					
States and the number of PSAPs that are currently accepting Text to 911 at their 911 Centers					
Text Method used at each PSAP varies, they are: Text to TTY, Web Browser, or a Direct IP method					
STATE	**# of PSAPs**	**Date of Compliance**	**# of PSAPs**	**Date of Compliance**	**Total State PSAPs accepting 911 Text**	**Total number of PSAPs in the State**
Colorado	7	6/30/2015	7	9/3/2015	14	217
Illinois	3	6/30/2015	2	9/3/2015	5	376
Michigan	1	9/3/2015			1	200
North Carolina	2	6/30/2015	1	9/3/2015	3	157
New Hampshire	1	9/3/2015			1	6
Pennsylvania	7	6/30/2015	1	9/3/2015	8	88
Texas	57	6/30/2015	1	9/3/2015	58	635
Alabama	3	8/5/2015			3	152
Florida	2	6/30/2015			2	254
Georgia	2	6/30/2015			2	208
Idaho	1	8/5/2015			1	71
Indiana	78	6/30/2015			78	179
Maryland	1	6/30/2015			1	41
Maine	1	6/30/2015			1	27
Montana	1	6/30/2015			1	61
New York	7	6/30/2015			7	201
Ohio	2	6/30/2015			2	352
South Carolina	9	6/30/2015			9	93
Virginia	6	6/30/2015			6	167
West Virginia	1	6/30/2015			1	61
					204	
There are approximately 5,906 primary and secondary PSAPs in the US. 204 is 3.45% of 5,906.					
Source: FCC PSAP Text-to-911 Readiness & Certification Registry & FCC Master PSAP Registry					

WIRELESS PSAP TESTING – SEPTEMBER 2015

KAUAI COUNTY - SEPTEMBER 2015						
Date	WSP	Sites Tested	Sectors Tested	Tested By:	Test Pass/Fail	Comments:
9/15/2015	Sprint	1	4	Kauai PSAP	3 Pass/1 Fail	Will re-test failed sector
9/16/2015	Sprint	1	5	Kauai PSAP	Pass	
9/17/2015	Sprint	2	8	Kauai PSAP	Pass 6/2	Also re-tested failed sectors

NOTES:

- There were three (3) scheduled Wireless 911 tests for the month of September 2105.

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2. MSAG (MASTER STREET ADDRESS GUIDE)

CURRENT MONTH – SEPTEMBER 2015

KAUAI COUNTY	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
SEPTEMBER	2	1	0	0	1	0	0

MSAG CURRENT MONTH NOTES:

A total of sixty-four **(64)** MSAG transactions were processed in 9-1-1 Net during the month of September 2015. Two (2) requests were processed relating to the MSAG database, and sixty-two (62) requests relating to the ALI database (see ALI Transaction chart on next page).

KAUAI COUNTY	9-1-1 NET REQUESTS						
	MSAG TRANSACTIONS						
2015	Total	Change	Combined	Delete	Insert	Split	Customer Addresses Affected
JAN	9	7	0	1	1	0	116
FEB	88	77	2	1	2	6	1,064
MAR	3	0	0	3	0	0	35
APR	11	2	0	2	6	1	58
MAY	7	3	0	2	2	0	117
JUNE	4	2	0	1	1	0	130
JULY	48	26	5	4	2	11	1,212
AUG	8	3	0	1	1	3	44
SEPT	2	1	0	0	1	0	0
OCT							
NOV							
DEC							
TOTAL YTD	180	121	7	15	16	21	2,776
AVG PER MONTH	20	13	1	2	2	2	308

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ALI TRANSACTIONS CURRENT MONTH – SEPTEMBER 2015

KAUAI COUNTY		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	TOTAL	TN CR (A)	ALI-DR (B)	VoIP DR (C)	TN CR	ALI-DR	VoIP DR
SEPT	62	62	0	0	278	0	0

Definitions
(A) **T**elephone **N**umber **C**hange **R**equest - Represents address corrections on a specific TN or group of TNs. These "invalid" TNs usually have an associated ESN 499 attached to them which indicates the need for validation.
(B) **A**utomatic **L**ocation **I**nformation **D**iscrepancy **R**ecord - Represents an address discrepancy discovered during a live 9-1-1 call, from a landline. These record corrections are treated with a higher priority and should be processed within 48 hours as a general guideline.
(C) **V**oice **o**ver **I**nternet **P**rotocol **D**iscrepancy **R**ecord - Represents an address discrepancy discovered during a live 9-1-1 call, from a VoIP phone. These record corrections are treated with a higher priority and should be processed within 72 hours as a general guideline per Time Warner Operations Center. MSR tracking effective April 2014.

ALI TRANSACTIONS CURRENT MONTH NOTES:

There were no ALI Discrepancy Requests (ALI DR) processed in 9-1-1 Net.

OPEN DISCREPANCY RECORDS STATUS:

- **There are 278 Open TN CR Transactions as of September 30, 2015**
- **Refer to chart in the next section "TNCR Current Status"**

216 Open TN CR transactions are a direct result of the ESN 499 clean-up and are awaiting approval from Hawaiian Telcom, Inc. Akimeka continues to monitor and track the progress of the Referred records. Once a telephone number is submitted to Intrado for correction, it must be verified against HT records and/or approved by the customer. Intrado's internal process requires calling each telephone customer individually for approval to update an address in the 9-1-1 database.

Sixty-two (62) Open TN CR transactions are a result of the Dispatchable Location Project.

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There are no Open ALI-DRs as of September 30, 2015

There are no Open VoIP DRs as of September 30, 2015

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

KAUAI COUNTY		9-1-1 NET REQUESTS					
		ALI TRANSACTIONS SUBMITTED			Open Discrepancy Records as of Report Month End		
2015	TOTAL	TN CR	ALI-DR	VoIP DR	TN CR	ALI-DR	VoIP DR
JAN	69	69	0	0	201	0	0
FEB	2	2	0	0	211	211	0
MAR	35	35	0	0	227	0	0
APR	28	28	0	0	220	0	0
MAY	60	60	0	0	277	0	0
JUNE	108	108	0	0	283	0	0
JULY	2	2	0	0	226	0	0
AUG	0	0	0	0	216	0	0
SEPT	62	62	0	0	278	0	0
OCT							
NOV							
DEC							
TOTAL YTD	366	366	0	0			
AVG PER MONTH	41	41	0	0			

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DISPATCHABLE LOCATION – STATUS AS OF – SEPTEMBER 2015

NARRATIVE:

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

During the month of August 2015, Akimeka started a pilot project, entering additional location information to a verified MSAG address with multiple telephone numbers. Specifically the **Kukui Grove Center at 302600 Kaumualii Hwy, Lihue**. The "Dispatchable Location" data is entered into the "Driving Directions" field in the Intrado 9-1-1 Net system, and will display on the Viper Power 911 ALI Screen in the "Exact" field should a 911 call be received from that telephone number. Sixty two **(62)** Telephone Number Change Requests (TN CR) transactions were processed as a result of the Dispatchable Location Project. These transactions have not been updated in 9-1-1 Net pending research by Hawaiian Tel and Intrado for providing an additional 60 character field in the ALI data stream to accommodate Dispatchable Location information as an alternative to using the "Driving Directions" field. Until this field is created, no further Dispatchable Location transactions will be submitted.

Dispatchable Location				
Common Name Place	**MSAG Address**	**2015**	**Number of TNCR* Transactions Submitted**	**Number of Transactions Processed****
KUKUI GROVE CENTER	302600 KAUMUALII HWY, LIHUE	Aug		
		Sept	62	0
		Oct		
		Nov		
		Dec		
		Total	62	

Definition
Dispatchable Location is defined in the FCC 15-9 Docket as the verified or corroborated street address of the calling party plus additional information such as floor, suite, apartment or similar information that may be needed to adequately identify the location of the calling party.
TNCR* Telephone Number Change Request - Transactions submitted to Intrado to update/edit Dispatchable Location in the Exact field on the ALI Screen.
Processed** may include inactive telephone numbers that were removed from the ALI Database.

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

NOTE:

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

PSAP 9-1-1 Telephone Number Location Change Request (Telephone Number Change Request (TNCR) Status)				
PSAP	**TOTAL TNCR RECORDS SUBMITTED BY AKIMEKA**	**OPENED TNCRS PENDING FURTHER ACTION BY INTRADO**	**OPENED TNCRS REFERRED TO TELCO BY INTRADO**	**TOTAL UNOPENED TNCR RECORDS**
KAUAI	**278**	**32**	**53**	**193**

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

3. GEOGRAPHIC INFORMATION SYSTEM (GIS) – SEPTEMBER 2015

MAPPING LAYERS UPDATED (PART I)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
KAUAI COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE *(Listed Alphabetically)*			
Address Points	9/30/2015		Added thirty-four (34) address points in Poipu
	9/29/2015		Corrected Location Name for one (1) address in Poipu
	9/29/2015		Added one (1) address in Puhi
	9/28/2015		Added nineteen (19) addresses in Princeville
	9/25/2015		Added forty-five (45) addresses in Lihue
	9/25/2015		Added twenty-three (23) addresses in Princeville
		09/24/15	
	9/24/2015		Spatially corrected one (1) address point in Kukuiula
	9/24/2015		Added forty-nine (49) address points in Kukuiula
	9/23/2015		Spatially corrected sixty-six (66) address points in Kekaha
	9/14/2015		Spatially corrected one (1) address in Lihue
	9/14/2015		Added Location Name to one (1) address in Lihue
		09/10/15	
	9/10/2015		Spatially corrected one (1) address point in Lihue
	9/10/2015		Corrected Location Name for one (1) address in Lihue
	9/10/2015		Spatially corrected two (2) address points in Lawai
	9/9/2015		Spatially corrected thirty-five (35) street centerlines in Kekaha
	9/9/2015		Spatially corrected two (2) address point in Lawai
	9/8/2015		Spatially corrected three hundred twenty-eight (328) address points in Kekaha
Airports			
Bridges			
Building Footprints			
Bus Stops			
Churches			

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MAPPING LAYERS UPDATED (PART II)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
KAUAI COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Coastal Names			
Coastline			
Common Places			
Correctional Facilities			
Emergency Callboxes			
Emergency Operation Centers			
Emergency Shelters			
ESZ/ESN		**09/24/15**	
	9/17/2015		Modified boundary of ESN 417, 418, 419, 426, 427, 440, 442 and 444
	9/16/2015		Modified boundary between ESN 441 and 443
	9/15/2015		Modified boundary of ESN 401, 402, 403, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 427, 433, 434, 435, 436, 437, 438, 439, 440, 442, 443, 444, 445, 446, 449, 450 and 451 to line up with Street Centerlines
	9/14/2015		Modified boundary of ESN 411, 412, 414, 417, 421, 422, 428, 421, 449, 450 and 452 to line up with Street Centerlines
		09/10/15	
	9/9/2015		Modified boundary between ESN 445 & 446 to match spatially corrected street centerlines
Fire Beats			

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MAPPING LAYERS UPDATED (PART III)

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

	KAUAI COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Fire Districts			
Fire Response Areas			
Fire Stations			
Food & Beverage			
Gas Stations			
Gate Codes			
Government Buildings			
Harbors			
Helipads			
Hiking Trails			
Hospitals			
Hydrants			

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MAPPING LAYERS UPDATED (PART IV)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
KAUAI COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Hyrdology Layers: Dams Ponds Streams Waterfalls			
Incident Response Areas	9/15/2015		Modified boundary for IRA 206250 (2), 213156 (3) and 244156
Lodging			
Major Roads			
Medic Beats			
Medic Districts			
Medic Response Areas			
Medic Stations			
Medical Facilities			
Milepost Markers			
MSAG Communities	9/9/2015	**09/10/15**	Modified boundary of Waimea and Kekaha to match spatially corrected street centerlines

MAPPING LAYERS UPDATED (PART V)

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

	KAUAI COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS** **Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
Net Junctions			
Ocean Rescue Boundaries			
Ocean Safety			
Parcels			
Parks			
Parks Polygon			
Points of Interest	9/30/2015		Added thirty (30) POI, spatially corrected four (4) POI and added the Unit # to one (1) POI
	9/29/2015		Added nineteen (19) POI and spatially corrected eleven (11) POI
	9/28/2015		Added twenty-one (21) Points of Interest
		09/24/15	
	9/14/2015		Added fifty-four (54) POI, Spatially corrected fifteen (15) POI, Added Unit # for twelve (12) POI, Corrected one (1) POI name
	9/14/2015		Spatially corrected fifteen (15) POI
	9/11/2015		Corrected the street name for seven (7) POI addresses and corrected the Subclass for three (3) POI
		09/10/15	
	9/10/2015		Spatially moved nine (9) POI. Added four (4) POI.
Police Beats			
Police Districts			

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MAPPING LAYERS UPDATED (PART VI)

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

	KAUAI COUNTY		
Type of Layer	**Akimeka GIS Server** **Date Created/** **Edits Performed**	**Date GIS Delivered**	**Other/Remarks**
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE **(Listed Alphabetically)**			
Police Response Areas			
Police Stations			
Post Offices			
Schools			
Street Centerlines	9/25/2015		Corrected Parity of six (6) street centerline segments
		09/24/15	
	9/11/2015		Calculated Cost for ninety-nine (99) street centerline segments
		09/10/15	
	9/10/2015		Spatially corrected six (6) street centerline segments in Waimea
	9/9/2015		Spatially corrected twenty-seven (27) street centerline segments in Kekaha
	9/9/2015		Spatially corrected twelve (12) street centerline segments in Waimea
Subdivisions			
Tow Jurisdictions			
Tsunami Evacuation Zones			
Tsunami Heights			
Waste Water Plants			

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MAPPING LAYERS UPDATED (PART VII)

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

Type of Layer	Akimeka GIS Server Date Created/ Edits Performed	Date GIS Delivered	Other/Remarks
KAUAI COUNTY			
CRITICAL 9-1-1 PUBLIC SAFETY LAYERS FOR DISPATCH & RESPONSE (Listed Alphabetically)			
WSP Cell Sectors	9/28/2015		Per ATT CRS
		09/24/15	
		09/10/15	
	9/9/2015		Per VZW CRS
	9/3/2015		Per ATT CRS
WSP Cell Towers	9/28/2015		Per ATT CRS
		09/24/15	
		09/10/15	
	9/9/2015		Per VZW CRS
	9/3/2015		Per ATT CRS

NOTE:

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

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GEOGRAPHIC INFORMATION SYSTEM (GIS) NARRATIVES

GIS KEY ACTIVITIES/UPDATES

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

Date	Key Activities/Updates
9/24/2015	Delivered the following data for a GeoComm update: Address Points, ESN, IRA, Points of Interest, Street Centerlines, WSP Cell Sectors and WSP Cell Towers
9/24/2015	Delivered the following data for a MapFlex update: Address Points, ESN, Points of Interest, Street Centerlines, WSP Cell Sectors and WSP Cell Towers
9/10/2015	Delivered updated data for GeoComm: Address Points, MSAG Communities, Points of Interest, Street Centerlines, WSP Cell Sectors and WSP Cell Towers. Also included geofiles for Points of Interest and Street Centerlines.
9/10/2015	Delivered updated data for a MapFlex deliverable: Address Points, ESN, MSAG Communities, Points of Interest, Street Centerlines, WSP Cell Sectors and WSP Cell Towers

UPCOMING GIS DELIVERABLES SCHEDULE

As it is nearing the end of the year with many holidays ahead in the coming months, an approved schedule for the GIS deliverables has been provided below. Some days may have originally fallen on a holiday so an alternative GIS deliverable schedule around those dates were created.

GIS Deliverable schedule for 2015		
OCT	15	29
NOV	12	27
DEC	10	23

GPS DATA COLLECTION AND SITE VERIFICATION

During the month of September 2015, there were no scheduled GPS data collection and site verifications required. Data capture will continue to be coordinated on an as needed basis.

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MAPFLEX DEPLOYMENT:

During the month of September 2015, there were continued GIS deliverables into the MapFlex system for Hawaii County, Maui County, and Kauai County. For a chronology prior to September, please see the April thru August 2015 Monthly Status Report. The MapFlex deployment has been primarily concluded, and is now considered a running system capable of receiving updates regularly.

1. Akimeka delivered GIS data to the MapFlex system on the following dates in September 2015
   a. **Hawaii County** – September 8th and September 22nd
   b. **Maui County** – September 9th and September 23rd
   c. **Kauai County** – September 10th and September 24th

POWER911 (VIPER) UPDATE

It was brought to Akimeka's attention that on certain Landline 911 calls, the Comments (Location) field on the Power911 ALI/ANI screen was displaying unusual and confusing information pertaining to the address of the caller. For example, **ALI DR** appeared on the ALI screen in the Comment field which was interpreted by the 911 Call Takers as Ali Drive. ALI DR is a 911 NET term for ALI (automatic location information) Discrepancy Report. Akimeka researched the 911 NET database, the ALI ANI data stream, and after several 911 tests with the PSAP, concluded that the Location Field and the TELCO Comment field from the ALI ANI Data Stream were merged together in the Power911 "ini" file which cause the TELCO information to appear on the Power911 ALI ANI Screen in the Comment Field.

On July 23rd, Akimeka and Intrado resolved this issue by reconfiguring the Power911 "ini" file as to prevent the TELCO Comments from appearing on the Power911 ALI ANI Screen. Future use of the TELCO Comment field appearing on the ALI ANI screen should contain useful information for dispatching purposes.

There were no further discrepancies in the "Location" field on the ALI Screen in the month of September, 2015.

POWERMAP

During the May 14, 2015, 9-1-1 Communications Technical and Finance Committee it was discussed that with the successful implementation of the MapFlex system, the uploads for the PowerMap system are scheduled to be phased out by the end of May 2015.

1. The phase out plan for uploads to PowerMap included the disconnection of the dedicated circuits from Akimeka's office in Kihei, Maui to Hawaii County, Maui County, and Kauai County on May 31, 2015.
   a. This meant that Akimeka would no longer have a connection to the PowerMap at each Neighbor Island to perform uploads and that there will be no technical support of PowerMap. The phasing out of PowerMap was due to the system surpassing its expected lifecycle and it had remained in service for more than 8 years.
2. The phase out plan also included Akimeka's assistance in the removal of GIS data which contains proprietary information to the PSAPs that must be cared for and also includes IPR information from Akimeka.
   a. Akimeka was on site to perform the data removal of PowerMap in **Maui County** on June 12, 2015. Six (6) PowerMap positions were cleaned during this process.
   b. Akimeka was on site to perform the data removal of PowerMap in **Kauai County** on June 23, 2015. Six (6) PowerMap positions were cleaned during this process.
   c. **Hawaii County** IT was previously scheduled to remove the PowerMap positions during the month of July 2015, so that Akimeka can assist in cleaning the positions. However the MapFlex is still not displaying the Phase I polygons correctly for wireless 9-1-1 calls, so HPD will be keeping the PowerMap positions until this can be corrected by Intrado.
   d. There have been no known updates reported during the month of September 2015.

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4. SERVICE REQUESTS TRANSACTIONS

OPEN SERVICE REQUESTS – SEPTEMBER 2015

#	Date	Ticket #	Description	Category	Urgency	Comments
			None			

NOTE:

There are no open service requests for September 2015.

SERVICE REQUEST YEAR-TO-DATE (YTD) SUMMARY – 2015

KAUAI				SERVICE REQUEST CATEGORIES			
2015	**TOTAL**		**Open**	**911 Map**		**MSAG**	
	Created	**Closed**		**Created**	**Closed**	**Created**	**Closed**
2014 Carryover*			0				
January	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0
October							
November							
December							
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**

NOTE:

- *The 2014 Carryover row indicated the number of Service Requests that remained opened in 2014.
- Detailed information on service tickets is available upon request.

Definitions:	Category	Description
	911 Map	Mapping computer not functioning or displaying properly.
	MSAG	Discrepancies with 9-1-1 MSAG addresses

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5. E9-1-1 DATABASE SYNCHRONIZATION

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

Next Scheduled Database Synchronization – October 2015

AUDIT SUMMARY RESULTS – 2015 -- TBA

AUDIT SUMMARY RESULTS – AUGUST 1, 2015 MSAG VS. JULY 1, 2015 MSAG -- TBA

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

AUTOMATIC LOCATION IDENTIFICATION (ALI) DISCREPANCY REPORT -- TBA