

# Oakland Center AIDC Performance

Julia Fuller

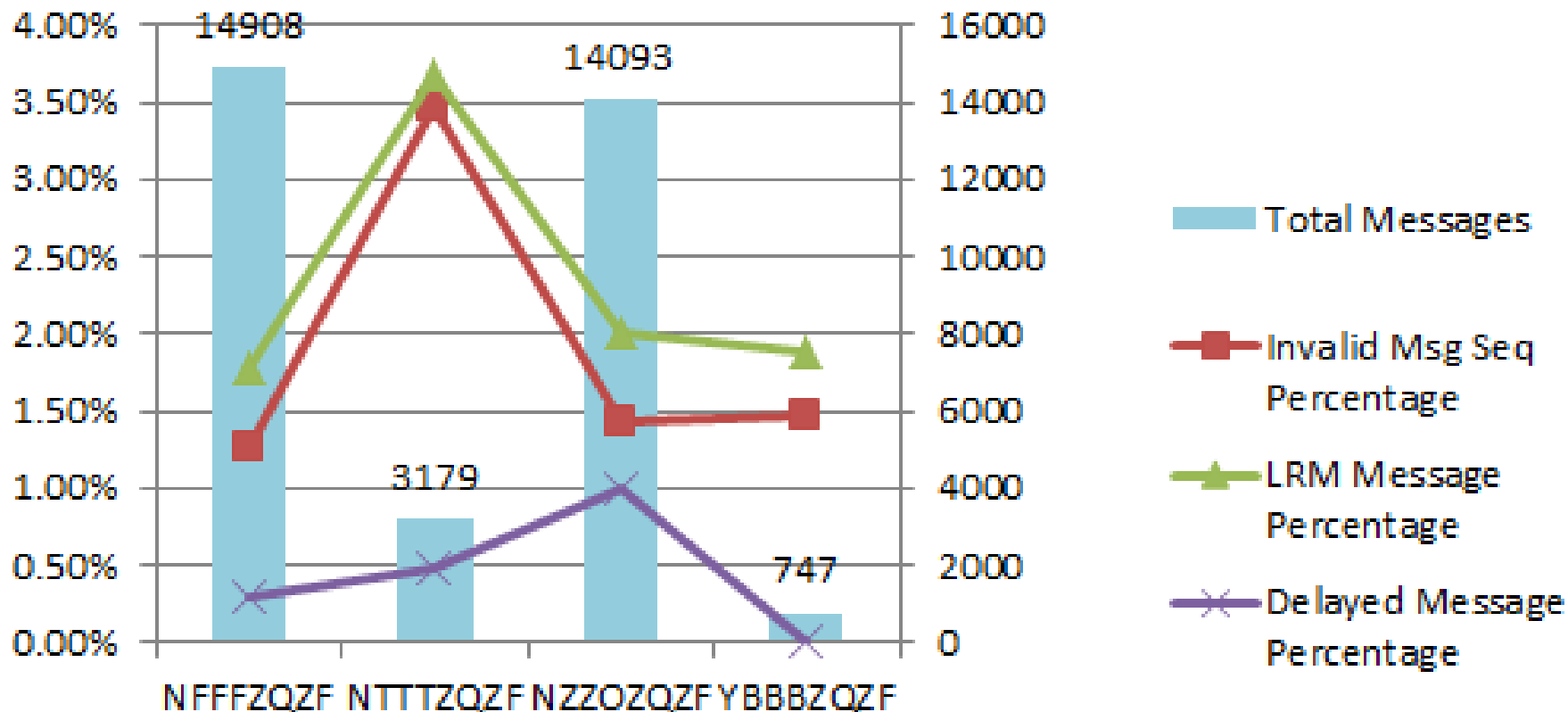
Oakland Field Automation Support Team

March 02, 2015



Federal Aviation  
Administration

# AIDC Delay Data 2014/10/01 – 2015/01/31



# Outbound AIDC LRM Messages

Origin	NFFFZQZF
Row Labels	Total
(LRM-RMK/52//MORE THAN ONE FIELD MISSING)	2
(LRM-RMK/65/INVALID MESSAGE SEQUENCE)	45
(LRM-RMK/26/14,15/INVALID ENROUTE POINT)	64
<b>Grand Total</b>	<b>111</b>

Origin	NTTTZQZF
Row Labels	Total
(LRM-RMK/62/7/COM/NAV EQUIPMENT CANNOT BE	4
<b>Grand Total</b>	<b>4</b>

Origin	NZZOZQZF
Row Labels	Total
(LRM-RMK/57//SYNTAX ERROR)	74
(LRM-RMK/65/INVALID MESSAGE SEQUENCE)	67
<b>Grand Total</b>	<b>141</b>

Origin	YBBBZQZF
Row Labels	Total
(LRM-RMK/62/22/8/IG)	1
<b>Grand Total</b>	<b>1</b>

- Syntax Error – Field10a “VGDWOL”
- Invalid Enroute Point – SY/TESAT
- Nav Equipment Cannot Be Determined – Field10a “VGDWOL”
- More Than One Field Missing – CRC = 0000
- RMK/62/22/8/IG - ?

# Inbound AIDC LRM Messages

Destination	NFFFZQZF
Row Labels	Total
(LRM-RMK/52/0/MORE THAN ONE FIELD MISSING)	3
(LRM-RMK/58/0/MISSING PARENTHESIS)	2
(LRM-RMK/6/INVALID ACID)	1
(LRM-RMK/65/INVALID MESSAGE SEQUENCE)	143
(LRM-RMK/31/14/INVALID SUPPLEMENTARY CROSSING DATA)	4
<b>Grand Total</b>	<b>153</b>

Destination	YBBBZQZF
Row Labels	Total
(LRM-RMK/6/INVALID ACID)	1
(LRM-RMK/65/INVALID MESSAGE SEQUENCE)	11
(LRM-RMK/61/0/INVALID CRC)	1
<b>Grand Total</b>	<b>13</b>

Destination	NTTTZQZF
Row Labels	Total
(LRM-RMK/57/0/INVALID MESSAGE)	1
(LRM-RMK/6/INVALID ACID)	2
(LRM-RMK/65/INVALID MESSAGE SEQUENCE)	110
<b>Grand Total</b>	<b>113</b>

Destination	NZZOZQZF
Row Labels	Total
(LRM-RMK/52/0/MORE THAN ONE FIELD MISSING)	1
(LRM-RMK/57/0/INVALID MESSAGE)	2
(LRM-RMK/6/INVALID ACID)	4
(LRM-RMK/65/INVALID MESSAGE SEQUENCE)	134
(LRM-RMK/31/14/INVALID SUPPLEMENTARY CROSSING DATA)	1
<b>Grand Total</b>	<b>142</b>

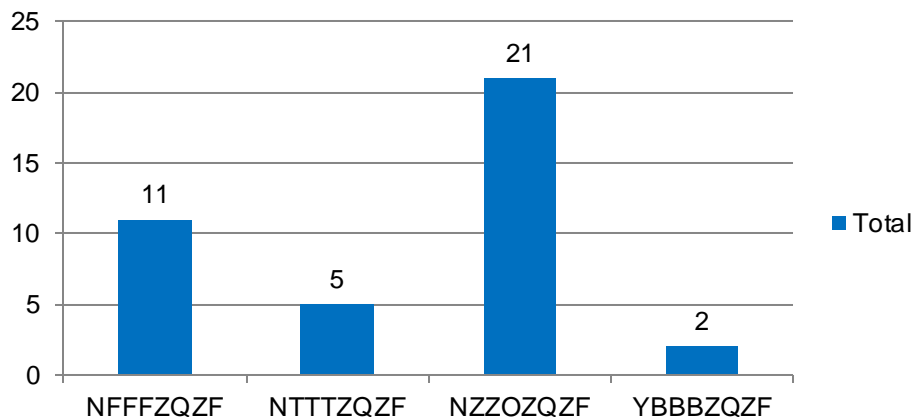


Time	Origin	Destination	Msg_Text1	Msg
2014/10/05 01:03:55	KZCEZQZX	YBBBZQZF	(LRM-RMK/6/INVALID ACID)	(EST-CTRY17/A1204-PKMJ-MARTI/0144F330-PKMJ)
2014/10/13 19:36:02	KZCEZQZX	YBBBZQZF	(LRM-RMK/61/0/INVALID CRC)	No Data
2014/10/24 04:46:18	KZCEZQZX	NZZOZQZF	(LRM-RMK/31/14/INVALID SUPPLEMENTARY CROSSING DATA)	(ABI-FJI853/A2000-NSFA-0500S16830W/0556F320F010A-PHNL -8/IS -9/B738/M
2014/10/27 16:19:13	KZCEZQZX	NFFFZQZF	(LRM-RMK/58/0/MISSING PARENTHESIS)	No Data
2014/11/01 08:50:41	KZCEZQZX	NTTTZQZF	(LRM-RMK/57/0/INVALID MESSAGE)	No Data
2014/11/16 15:02:46	KZCEZQZX	NZZOZQZF	(LRM-RMK/57/0/INVALID MESSAGE)	No Data
2014/11/19 07:57:43	KZCEZQZX	NZZOZQZF	(LRM-RMK/6/INVALID ACID)	(ACP-FJI823/A2000-PLCH-NFFN) DUPE
2014/11/19 08:27:47	KZCEZQZX	NZZOZQZF	(LRM-RMK/6/INVALID ACID)	(ACP-FJI823/A2000-PLCH-NFFN) DUPE
2014/12/07 15:43:00	KZCEZQZX	NZZOZQZF	(LRM-RMK/52/0/MORE THAN ONE FIELD MISSING)	FF KZCEZQZX 071543 NZZOZQZF 2.000376-4.141207154258-5.0000- (ABI-THT78/A2673-NTAA-05S165W/1706F350F380-RJAA- FF KZCEZQZX
2014/12/19 20:27:12	KZCEZQZX	NFFFZQZF	(LRM-RMK/31/14/INVALID SUPPLEMENTARY CROSSING DATA)	192027 NFFFZQZF 2.000455-4.141219202711-5.F8AF- (ABI-N112HW-NGTA-MARTI/2055A060A020A-PGUM -8/IG-9/GLTY/L-10/SGU/C-15/N0180A060 MARTI DCT -18/ALTN/TBA RMK/ACFT TYPE BE58)

2014/12/20 01:05:15	KZCEZQZX	NZZOZQZF	(LRM-RMK/57/0/INVALID MESSAGE)	No Data
2014/12/20 16:18:43	KZCEZQZX	NFFFZQZF	(LRM-RMK/52/0/MORE THAN ONE FIELD MISSING)	FF KZCEZQZX 201619 NFFFZQZF 2.000693-4.141220161841-5.0000- (ABI-HAL444/A1114-YBBN-BOILS/1706F390F400-PHNL - 8/IS-9/A332/H-10/SDE3FGHIJ5M1RWXYZ/SB2D1- (ACP-THT517/A7213-KLAX-NTAA)
2015/01/15 04:02:49	KZCEZQZX	NTTTZQZF	(LRM-RMK/6/INVALID ACID)	DUPE
2015/01/15 11:47:06	KZCEZQZX	NZZOZQZF	(LRM-RMK/6/INVALID ACID)	(ACP-HAL445/A4414-PHNL-NZAA) DUPE
2015/01/15 11:48:35	KZCEZQZX	NZZOZQZF	(LRM-RMK/6/INVALID ACID)	(ACP-ANZ83/A2000-CYVR-NZAA) DUPE
2015/01/17 05:49:57	KZCEZQZX	NFFFZQZF	(LRM-RMK/52/0/MORE THAN ONE FIELD MISSING)	No Data
2015/01/22 04:58:26	KZCEZQZX	NFFFZQZF	(LRM-RMK/58/0/MISSING PARENTHESIS)	No Data

# AIDC Invalid Field 10a Messages

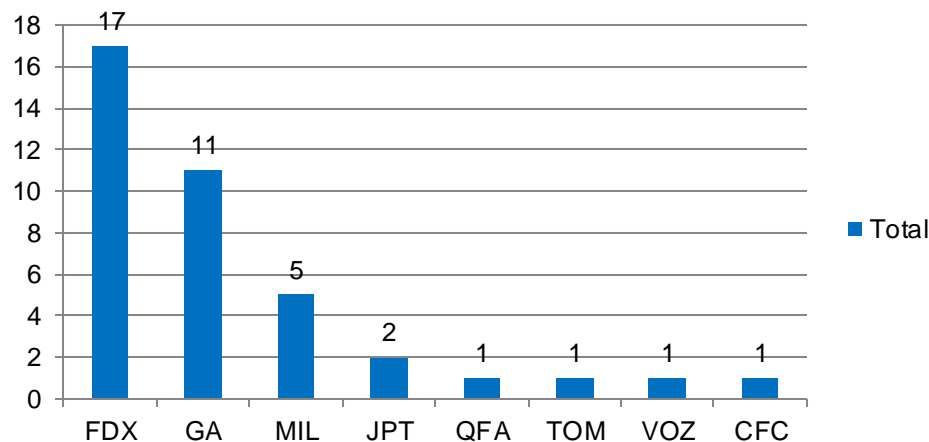
Coordinated Flights with Invalid Field 10a  
2014/10/01 - 2015/01/31



- Sometimes caused by having the Same Call Sign for the Inbound and Outbound Honolulu Legs

- Caused by Oakland receiving an FP from Hawaii when we don't have an FPL on file.

Coordinated Flights with Invalid Field 10a  
2014/10/01 - 2015/01/31



# AIDC Time Errors

- February 11-26, 2015 evaluated.
- We looked for any progresses which were 3 minutes or more different than the AIDC Transfer.
- Two Time Errors were found during this time period
- ACA034 – 2015/02/22 – 6 minutes
- THT2 – 2015/02/20 – 4 minutes



## •ACA034 – 2015/02/22 – 6 minutes

•(CDN-ACA034/A1557-YSSY

-CYVR

-14/BOILS/0708F310/W40R

• WPC:

Pos = 045947S1795038W

Alt = 31000 ft

Time = 07:02:31

## •THT2 – 2015/02/20 – 4 minutes

•(CPL-THT2/A2641-IS

-A343/H-SDE1E2E3FGHIJ3J5J6M1M2ZRWCY/LB1D1

-NTAA-0330N13512W/1336F370

•WPC:

Pos = 033017N1351146W

Alt = 37004 ft

Time = 13:32:25

# AIDC Truncated Routes

- October 01,2014 – January 31, 2015 was evaluated.
- We compared FPL routes to Truncated Routes
- 30 flights were truncated, 15 of the truncations were from 3 flights
- ANZ99 accounted for 6 of the truncations from Brisbane (Japan “Y8??” Routes)
- HAL482 accounted for 5 of the truncations from Tahiti (B595 to KOA V20 JULLE JULLE5)
- QFA7accounted for 4 of the truncations (Routes around Dallas?)