



7285 W. 132nd St., Suite 340
Overland Park, Kansas 66213

AIR TRAFFIC CONTROL

Memorandum

Date: January 12, 2018

To: Suzanne Styc, Acting Director, Western Service Center
[REDACTED]

From: Tim Pierce, Manager, Safety and Training, Midwest ATC Service Inc.

Subject: **INFORMATION:** Certification Statement
Aircraft Accident, N732DF
Kaunakakai, HI, December 10, 2017

I certify that air traffic aircraft accident package, MKK-FCT-0003, has been reviewed and is complete.

AIRCRAFT ACCIDENT PACKAGE

MKK-FCT-0003

N732DF, C206

December 10, 2017, 2104 UTC

Destroy, June 10, 2020 UTC

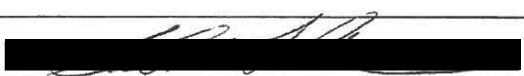
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SECTION 2.
FAA Form 8020-6, Report of Aircraft Accident
and FAA Form 8020-6-1, Report of Aircraft Accident (Continuation Sheet)

FAA Form 8020-6, Report of Aircraft Accident

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT				REPORT DATE December 11, 2017		REPORT NO. MKK-FCT-0003	
				NAME OF REPORTING FACILITY Molokai Airport, HI FCT (MKK)			
1. AIRCRAFT IDENTIFICATION AND TYPE N732DF, C206		2. DATE/TIME OF ACCIDENT (UTC) December 10, 2017, 2104 UTC		3. LOCATION OF ACCIDENT (MAND) Kaunakakai, HI			
				LATITUDE/LONGITUDE (OPTL)			
4. NATURE OF ACCIDENT Aircraft crashed under unknown circumstances				5. TYPE OF FLIGHT VFR			
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKN
	William Vogt	Pilot	Maunaloa HI			X	
7. PASSENGER DATA		NUMBER ABOARD 1	NUMBER UNINJURED 0	NUMBER INJURED 0	NUMBER FATALITIES 1		
8. AIRCRAFT DAMAGE Destroyed		9. PROPERTY DAMAGE None					
10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal							
11. WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT Molokai SPECI – 102103 UTC: wind zero three zero at eight knots, visibility six statute miles, mist, one thousand two hundred scattered, ceiling one thousand seven hundred broken, four thousand eight hundred overcast, temperature two two, dew point two one, altimeter three zero zero four						
	FIRST REPORT SUBSEQUENT TO ACCIDENT Molokai SPECI – 102127 UTC: wind zero three zero at one zero gusts one seven knots, visibility nine statute miles, one thousand one hundred scattered, ceiling five thousand broken, six thousand five hundred overcast, temperature two three, dew point two one, altimeter three zero zero three						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION			CHECK IF EYEWITNESS	
	Eric Korpi *(KI)	MKK FCT	LC/GC				
* OPERATING INITIALS							
13. SIGNATURE OF FACILITY MANAGER Thomas E. Funkhouser 							

MKK-FCT-0003
N732DF

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE January 9, 2018	REPORT NO. MKK-FCT-0003
	NAME OF REPORTING FACILITY Molokai Airport FCT (MKK)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
December 10, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

2058 N732DF contacted the MKK Local Controller (LC) inbound on the VOR-A approach to MKK. LC instructed N732DF to report the field in sight and N732DF acknowledged.

2101 LC informed N732DF that they appeared to be a bit south of course. N732DF acknowledged and indicated they were correcting and at the edge of VFR and a cloud bank and with good visibility.

2102 LC acknowledged and informed N732DF that the weather appeared to be much better inside the VOR.

2104 LC twice asked N732DF if they had the field in sight, but received no response. LC attempted to establish radio contact with N732DF, but still received no response.

2105 LC attempted to establish radio contact with N732DF, but received no response. LC contacted the Honolulu Control Facility (HCF) and asked if they were talking to N732DF and HCF indicated that they were not.

2106 LC informed HCF that they had lost communication with N732DF and that the aircraft was no longer on their radar display. HCF indicated that they would try to contact N732DF. LC attempted to establish radio contact with N732DF, but received no response. LC asked another aircraft if they were receiving an ELT and the other aircraft replied that they were not.

2107 HCF informed LC that they had attempted to contact N732DF on Guard but received no response. LC contacted emergency personnel via 911.

No More Follows

SECTION 3.
Review of Services Memo

Memorandum

Date: December 11, 2017

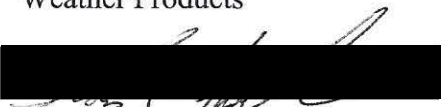
To: Aircraft Accident File: MKK-FCT-0003

From: Molokai Airport FAA Contract Tower

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident; N732DF
Kaunakakai, HI, December 10, 2017

MKK conducted a review of services concerning N732DF and was determined to have pertinent services. As a primary facility with pertinent services, I certify that the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

FAA Form 8020-6
FAA Form 8020-6-1
FAA Form 7230-4
Personnel Logs
FAA Form 7230-10
Facility Layout Chart
Certified Original Copy of Voice Recordings
Certified Working Copy of Voice Recordings
Transcriptions of Voice Recordings
Weather Products


Thomas E. Funkhouser
Air Traffic Manager
Molokai Airport FCT

MKK-FCT-0003
N732DF

SECTION 4.
FAA Form 7230-4, Daily Record of Facility Operation

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 1
				DATE Dec 10, 2017
LOCATION		IDENTIFICATION	TYPE FACILITY	OPERATING POSITION
Hoelehua, HI		MKK	ATCT	CIC
				CHECKED BY <i>PT</i>
				AIR TRAFFIC MANAGER Thomas Funkhouser
UTC TIME	REMARKS			
1600	J. PREUIT ON. RWY 05 IN USE. CFPL: REILS BLINK SPORADICALLY EVEN THOUGH RWY LIGHTS ARE TURNED OFF. FDIO MONITOR OTS. MEARTS NOT DISPLAYING TARGETS WITHIN 10NM AT AND BELOW 4,000 FT. WCLC -- PT			
1845	E. KORPI ON. WCLC. ALL POSITIONS COMB AT LC FOR BREAK. -- KI			
M 2130	MKK-M-2017/12/10-0001 -- N732DF -- KI			
2216	J. PREUIT ON. WCLC. -- PT			
2228	MOLOKAI FIRE DEPT ADVISED THEY FOUND A CRASH SITE 2-4 MILES SOUTH OF THE VOR AND ARE MAKING THEIR WAY TO SEARCH FOR SURVIVORS. -- KI			
0135	E. KORPI ON. -- KI			
0430	COB. -- KI			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded.		SIGNATURE(S) OF WATCH SUPERVISOR(S) 		

FAA Form 7230-4

MKK-FCT-0003
N732DF

SECTION 5.
Personnel Log

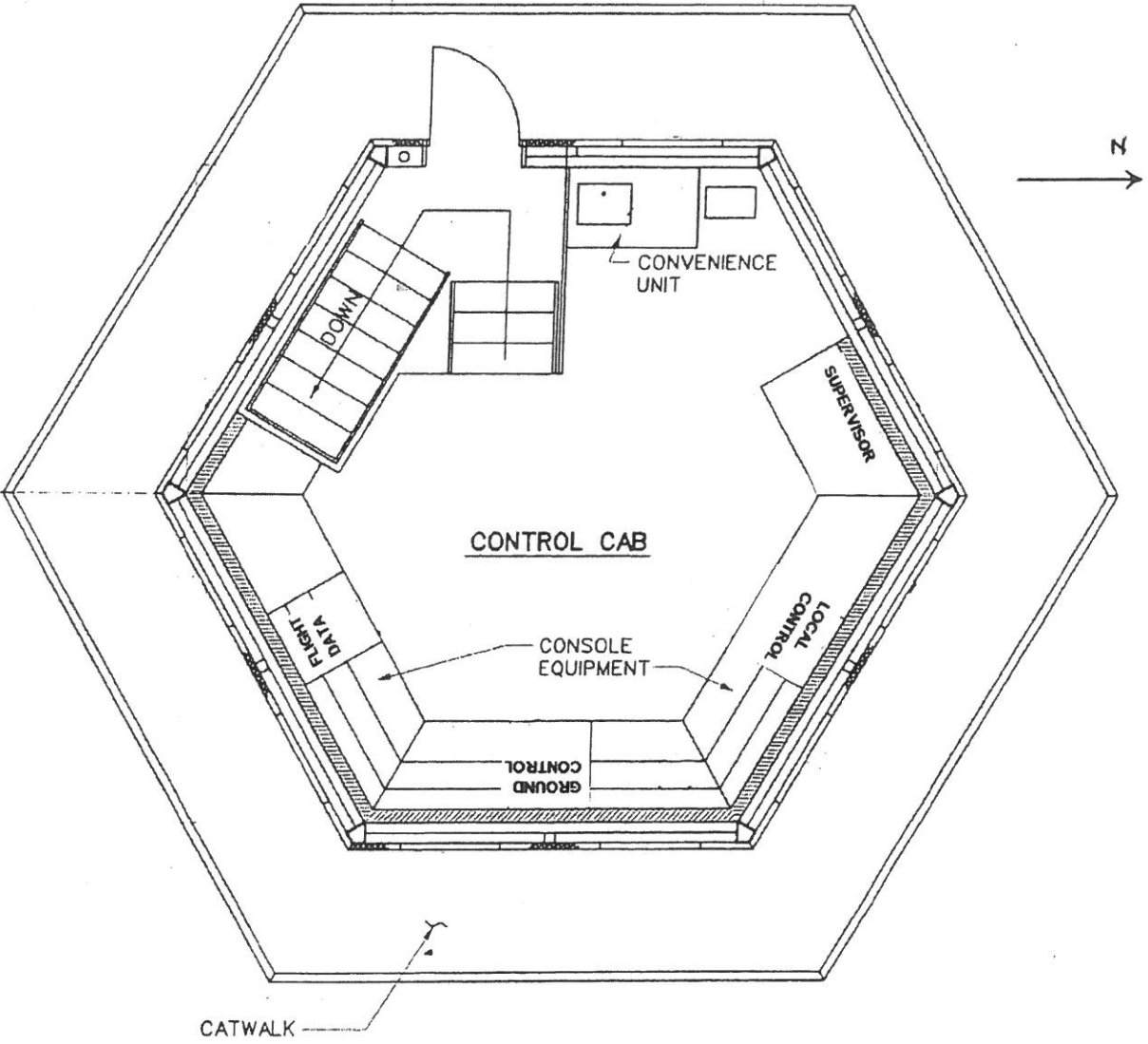
MIDWEST AIR TRAFFIC CONTROL SERVICE, INC.
BI-WEEKLY TIMESHEET

EMPLOYEE NAME: Eric Korpi	PAY PERIOD: 26	STARTING PERIOD: 12/3/17							
EMPLOYEE NUMBER: 10902	NOTE: Sign In when you enter on duty, and sign out when you are terminating your duty status.	PERIOD ENDING: 12/16/17							
FACILITY ID MKK	DO NOT SIGN IN AND OUT AT THE SAME TIME								
Date	Employee Signature	Time In	Time Out	TOTAL Hours	Vacation Hours	Personal Hours	Holiday Hours (0800-1600)	Remarks	
Sunday, December 03, 2017				10 ^{ET}					
Monday, December 04, 2017		0845	1845	10					
Tuesday, December 05, 2017		0545	1545	10					
Wednesday, December 06, 2017									
Thursday, December 07, 2017									
Friday, December 08, 2017									
Saturday, December 09, 2017									
Sunday, December 10, 2017		0845	1845	10					
Monday, December 11, 2017		0845	1845	10					
Tuesday, December 12, 2017		0545	1545	10					
Wednesday, December 13, 2017		0545	1545	10					
Thursday, December 14, 2017									
Friday, December 15, 2017									
Saturday, December 16, 2017									
I hereby certify that all information on this timesheet is true and correct, and understand that falsifying information is grounds for immediate termination.									
Employee Signature:			Date: 13 DEC 17						
Unless otherwise noted above, I certify this individual was assigned to work on the above dates. I verify that the information on this time sheet is true and correct to the best of my knowledge. Any falsification of this timesheet will result in discipline up to and including immediate termination.									
ATM/Supervisor Signature:		Date: 12/18/2017							

SECTION 6.
FAA Form 7230-10, Position Logs

SECTION 7.
Facility Layout Chart

MKK FCT LAYOUT



SECTION 8.
Transcription of Voice recordings



MIDWEST
AIR TRAFFIC CONTROL

Memorandum

Date: January 9, 2017

To: Aircraft Accident File: MKK-FCT-0003

From: Molokai Airport FAA Contract Tower

Subject: **INFORMATION**: Partial Transcript
Aircraft Accident; N732DF
Kaunakakai, HI, December 10, 2017

This transcription covers the Molokai Airport FAA Contract Tower (FCT) Local Control position for the time period from December 10, 2017, 2027 UTC, to December 10, 2017, 2144 UTC.

Agencies making transmission

Honolulu Control Facility
Molokai Airport FCT, Local Control
N732DF, C206
N274MM, C172

Abbreviations

HCF
LC
N732DF
N274MM

I certify that the following is a true transcription of the recorded conversations pertaining to the subject aircraft accident involving N732DF.


Thomas E. Funkhouser
Air Traffic Manager
Molokai Airport FCT

2027

(2028-2056)

2057

2057:27 HCF

h c f sector three inbound november two delta foxtrot cessna one seventy two he's doing a v o r alpha approach full stop and he's going to be there make it twenty one oh four

2057:45 LC k i

2057:47 HCF k k

2058		
2058:16	N732DF	good morning molokai tower cessna seven three two delta foxtrot checking in on the v o r alpha
2058:25	LC	cessna seven three two delta foxtrot molokai tower report when you have the field in sight
2058:29	N732DF	two delta foxtrot report the field
2059		
2100		
2101		
2101:49	LC	november two delta foxtrot be advised you appear to be a little bit south of course actually
2101:54	N732DF	ah that's affirmative i um am coming back i am right at the edge of v f r and ah and a cloud bank so i've got pretty good visibility ah
2102		
2102:04	LC	two delta foxtrot roger ah weather appears to be much better after you get inside of the v o r
2103		
2104		
2104:36	LC	november two delta foxtrot do you have the field in sight yet
2104:49	LC	cessna two delta foxtrot do you have the field in sight yet
2104:57	LC	cessna seven three two delta foxtrot molokai tower
2105		
2105:09	LC	cessna seven three two delta foxtrot molokai tower
2105:30	HCF	h c f three
2105:37	LC	molokai are you talking to cessna seven three two delta foxtrot by chance
2105:42	HCF	i'm sorry say again

2105:43	LC	are you talking to cessna seven three two delta foxtrot
2105:45	HCF	negative we switched him over
2105:47	LC	i know i was talking to him and then um our radar coverage just dropped off and i cannot get a hold of him
2105:52	HCF	okay did he cancel or something
2105:54	LC	no he just disappeared off the radar and i cannot get a hold of him
2105:58	HCF	okay we'll try and reach out
2105:59	LC	okay thank you
2106:35	LC	cessna seven three two delta foxtrot molokai tower
2106:52	LC	cessna four mike mike tower
2106:54	N274MM	tower four mike mike
2106:55	LC	four mike mike are you monitoring guard frequency or are you getting any e l ts by chance
2107:00	HCF	he went over to the tower
2107:02	LC	hold on
2107:03	N274MM	that's negative i'm not monitoring guard
2107:04	LC	roger molokai

2107:08	HCF	molokai tower sector three we tried guard (unintelligible)
2107:17	HCF	what's his full call sign
2107:18	LC	seven three two delta foxtrot
2107:20	HCF	seven three two delta foxtrot
2107:22	LC	yes you may want to let your sup know
2107:23	HCF	yes he's working on it now
2107:24	LC	k i
2107:25	HCF	thank you k d
2108		
2109		
2109:23	LC	molokai tower
2109:28	HCF	so what happened to this two delta foxtrot again
2109:31	LC	okay he came in i f r right he's on my frequency
2109:35	HCF	no no he wasn't i f r he was v f r doing a practice i f r approach that's what he was
2109:40	LC	okay he came up on my frequency and i told him to report when he had the field in sight and i turned around and he is not on the radar display and he's not coming up on frequency
2109:52	HCF	where where was he when (unintelligible)
2109:55	LC	he was four west of the field

2109:56	HCF	huh
2109:57	LC	he was four miles west of the field last time i saw and talked to him
2110:00	HCF	four west of the field so he was over the vortac
2110:05	LC	he was about a mile south of the vortac i let him know he was south of course and he said he was maintaining v f r at that time
2110:11	HCF	did he cancel and go on his own
2110:13	LC	negative i got no um radio calls after i let him know about that
2110:17	HCF	okay somebody v f r was just passing your field a few moments ago
2110:20	LC	yeah i talked to him and he said he's not getting any e l ts
2110:23	HCF	that wasn't three two delta foxtrot
2110:25	LC	no that was cessna four mike mike he's headed towards maui
2110:28	HCF	okay
2110:30	LC	he didn't see anybody or anything other than a big layer of clouds between us and where we last had the report from two delta foxtrot
2110:38	HCF	right right right
2110:39	LC	and that's where the clouds are the lowest unfortunately

2110:41	HCF	okay alright well we're looking for him
2110:45	LC	okay
2110:46	HCF	thank you
2110:47	LC	k i
2111		
2112		
2112:17	LC	molokai
2112:18	HCF	hey molokai h c f watch desk so just to confirm we still have no contact with two delta foxtrot
2112:22	LC	that's affirmative
2112:24	HCF	okay so what's the area that just so we can let we're going to issue the alnot now just so we can let law enforcement know what area
2112:32	LC	about a mile half mile to one mile south of the vortac southwest to southeast of the vortac somewhere in there
2112:39	HCF	southwest of the vortac is there a like a landmark if i call law enforcement are they going to know
2112:44	LC	the molokai vortac um they should the top basically the top of maunaloa
2112:50	HCF	the top of maunaloa
2112:51	LC	yeah right now right in the clouds
2112:55	HCF	in the clouds

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N732DF

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2112:56	LC	yeah
2112:57	HCF	okay alright bro we're going to issue the alnot let me know if you hear anything different
2113:00	LC	wilco
2113:01	HCF	okay thanks
2113:29	LC	molokai tower on guard cessna seven three two delta foxtrot contact molokai tower one two five point seven
2114 (2115-2143) 2144		

End of Transcript

SECTION 9.
FAA Form 8020-3, Facility Accident/Incident Notification Record



N 732DF

Date _____

Dec 11, 2017

Airport

MKK

The order and number of call will be determined by the situation involved

[illegible]

MKK-FCT-0003
N732DF

SECTION 10.
Weather Products

PHMK (MKK) Weather Observations

PHMK 102103Z 03008KT 6SM BR SCT012 BKN017 OVC048 22/21 A3004 RMK AO2
RAE03 P0000 T02170206

PHMK 102127Z 03010G17KT 9SM SCT011 BKN050 OVC065 23/21 A3003 RMK AO2
RAE03 P0000 T02280206

I certify that this is an accurate copy of the official weather observations originating from the
Molokai Airport, HI (MKK) ASOS.



Thomas E. Funkhouser
Air Traffic Manager
Molokai Airport FCT

MKK-FCT-0003
N732DF



Federal Aviation Administration

Memorandum

Date: January 09, 2018

To: Suzanne Styc, Acting Director, Western Service Center

From: [REDACTED]
Liane Hamamoto, Acting Manager, Honolulu Combined Control Facility

Subject: **INFORMATION:** Certification Statement
Aircraft Accident, N732DF
Kualapuu, HI, December 10, 2017

I certify that air traffic aircraft accident package, HCF-CCF-0074, has been reviewed and is complete.

Aircraft Accident Package

HCF-CCF-0074

N732DF, C206

December 10, 2017, 2105 UTC

Destroy: June 10, 2020 UTC

SECTION 1.
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SECTION 2.

FAA Form 8020-6, Report of Aircraft Accident, and
FAA Form(s) 8020-6-1, Report of Aircraft Accident (Continuation Sheet)

FAA Form 8020-6, Report of Aircraft Accident

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		REPORT DATE January 9, 2018	REPORT NO. HCF-CCF-0074				
		REPORT OF AIRCRAFT ACCIDENT NAME OF REPORTING FACILITY Honolulu CCF (HCF)					
1. AIRCRAFT IDENTIFICATION AND TYPE N732DF, C206		2. DATE/TIME OF ACCIDENT (UTC) December 10, 2017; 2105 UTC		3. LOCATION OF ACCIDENT (MANDATORY) Kualapuu, HI; 1 NM East MKK VORTAC LATITUDE/LONGITUDE (OPTIONAL) N21 08 00.0000 W157 07 00.0000			
4. NATURE OF ACCIDENT N732DF crashed one mile east of MKK VOR under unknown circumstances.				5. TYPE OF FLIGHT No Flight Plan			
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	William Vogt	Pilot	Unknown, Unknown			X	
7. PASSENGER DATA		NUMBER ABOARD AIRCRAFT 1	NUMBER UNINJURED 0	NUMBER INJURED 0	NUMBER FATALITIES 1		
8. AIRCRAFT DAMAGE Destroyed			9. PROPERTY DAMAGE Unknown				
10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal							
11. WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT MOLOKAI METAR - 2103 UTC: wind zero three zero at eight knots, visibility six statute miles, mist, one thousand two hundred scattered, ceiling one thousand seven hundred broken, four thousand eight hundred overcast, temperature two two, dew point two one, altimeter three zero zero four						
	FIRST REPORT SUBSEQUENT TO ACCIDENT MOLOKAI SPECI - 2127 UTC: wind zero three zero at one zero, gusts one seven knots, visibility nine statute miles, one thousand one hundred scattered, ceiling five thousand broken, six thousand five hundred overcast, temperature two three, dew point two one, altimeter three zero zero three						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION		CHECK IF EYEWITNESS		
*OPERATING INITIALS							
13. SIGNATURE OF FACILITY MANAGER Liane Hamamoto							

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE January 09, 2018	REPORT NO. HCF-CCF-0074
	NAME OF REPORTING FACILITY Honolulu CCF (HCF)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

December 10, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

2022 N732DF contacts HCF Clearance Delivery and requests a Freeway 2 departure with ATIS information Echo.

2023 Clearance Delivery requests that the Cessna calling Clearance Delivery say numbers again. N732DF repeats his call sign. Clearance Delivery issues clearance out of Bravo airspace via Freeway 2 departure and issues 1,500', departure frequency 124.8, and squawk of 0277. N732DF reads back the clearance. Clearance Delivery advises that information Echo is current. N732DF advises that he has Echo. N732DF contacts HCF Ground Control and requests taxi from the T-hangars by Kamaka Air.

2024 Ground Control asks N732DF for his location. N732DF advises that he is by Kamaka Air at the T-hangars. N732DF says that he has Fedex and can taxi to Foxtrot without impacting Fedex. Ground Control taxis N732DF to RWY 4R at F via TWY C. N732DF reads back taxi instructions and taxis to RWY 4R at F. Ground Control instructs FDX9073 to give way to N732DF and advises that the Cessna should be no factor. FDX9073 acknowledges that they will give way to the Cessna.

2025 Ground Control instructs N732DF to monitor Tower 118.1. N732DF acknowledges frequency change.

2026 HCF Local Control 1 clears N732DF for takeoff RWY 4R at F and issues a windcheck.

2027 Local Control 1 instructs N7375Q to cross RWY 4R at F and clears N7375Q for takeoff RWY 4L. Local Control 1 advises N7375Q that traffic departing the parallel runway will be on the Freeway departure. N732DF and N7375Q acknowledge takeoff clearances at the same time and both readbacks are not readable. Local Control 1 clears N732DF for takeoff RWY 4R at F again. N732DF acknowledges takeoff clearance and departs RWY 4R at F. Local Control 1 instructs N7375Q to cross RWY 4R at F and clears aircraft for takeoff RWY 4L. N7375Q acknowledges clearance and departs RWY 4L.

2029 Local Control 1 instructs N732DF to contact departure. N732DF acknowledges frequency change. N732DF contacts HCF L-radar and reports leaving 1,000'. Aircraft requests 3,500' and advises that they are going to Molokai. L-radar radar identifies N732DF. L-radar advises N732DF that the higher altitude is on request and instructs aircraft to resume own navigation at the Waialae Golf Course. N732DF acknowledges that they'll resume own navigation after Waialae and altitude on request.

2031 L-radar approves N732DF to climb to 3,500' and asks aircraft if they require flight following to Molokai. N732DF says affirmative. L-radar acknowledges aircraft.

2041 L-radar advises N732DF that they are leaving Bravo airspace and instructs

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE January 09, 2018	REPORT NO. HCF-CCF-0074
	NAME OF REPORTING FACILITY Honolulu CCF (HCF)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

aircraft to remain on his frequency. N732DF acknowledges and advises that they are switching to 24 1. L-radar tells N732DF negative and then instructs aircraft to remain on his frequency. L-radar advises aircraft that he is clear of Bravo airspace. N732DF acknowledges instruction.

2042 L-radar instructs N732DF to contact Center 124.1. N732DF acknowledges frequency change. N732DF contacts HCF radar sector 3 and reports at 3,600' going to Molokai Airport. Radar sector 3 acknowledges aircraft.

2050 N732DF is at 2,400' and requests VOR-A approach to Molokai with ATIS information India. Radar sector 3 instructs aircraft to turn left heading 360 and maintain VFR. N732DF reads back heading and acknowledges maintain VFR. Radar sector 3 vectors aircraft northwestbound and advises aircraft of a suggested altitude. N732DF advises that he had the coast in sight easily.

2052 N732DF maneuvers west of the shoreline and climbs to 3,000'. Radar sector 3 turns N732DF left heading 250.

2054 Radar sector 3 turns N732DF southbound and instructs aircraft to advise when they have ATIS information Juliett.

2055 N732DF is at 3,500' and advises that they have ATIS information Juliett. Radar sector 3 acknowledges aircraft.

2056 Radar sector 3 clears N732DF for VOR-A approach to MKK.

2058 Radar sector 3 terminates radar service and instructs N732DF to contact MKK Federal Contract Tower (FCT). N732DF acknowledges frequency change.

2106 MKK FCT asks HCF Radar Assist D3 if HCF is talking to N732DF. MKK FCT advises that they lost communications with N732DF and they no longer see a radar target for the aircraft.

2106 Radar sector 3 attempts to contact N732DF on 124.1 and on guard frequency.

2107 Radar sector 3 attempts to contact N732DF.

2108 Radar sector 3 attempts to contact N732DF.

2109 Radar sector 3 attempts to contact N732DF.

2110 Radar sector 3 coordinates with MKK FCT for last known position of N732DF.

2125 CR1707 contacts Radar sector 3 and advises that he is VFR at 8,600' descending to 1,000'. CR1707 will be conducting search and rescue for N732DF. Radar sector 3 advises that he will put CR1707 on the VOR A approach to track the last known flight path of N732DF. CR1707 concurs.

2126 Radar sector 3 instructs CR1707 to maintain VFR and descend to 3,200' for the VOR-A approach.

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE January 09, 2018	REPORT NO. HCF-CCF-0074
	NAME OF REPORTING FACILITY Honolulu CCF (HCF)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

2127 Radar sector 3 instructs CR1707 to expedite his descent to avoid traffic holding at MKK VORTAC.

2128 CR1707 request to fly the TACAN-A approach to MKK to assist with the search and rescue. Radar sector 3 advises that due to traffic, he can't clear CR1707 until his altitude is lower.

2129 CR1707 advises that he can't maintain VFR if he descends. Radar sector 3 issues IFR clearance to CR1707.

2130 Radar sector 3 clears CR1707 for TACAN-A approach to MKK.

2133 CR1707 reports established on the TACAN-A approach.

2134 Radar sector 3 terminates radar service and instructs CR1707 to contact MKK FCT. CR1707 acknowledges frequency change.

2139 MKK FCT advises Radar Assist D3 that CR1707 canceled IFR.

No More Follows

SECTION 3.
Review of Services Memo(s)



Federal Aviation Administration

Memorandum

Date: January 08, 2018

To: Honolulu Accident File HCF-CCF-0074

From: [REDACTED]
Liane Hamamoto, Acting Manager, Honolulu Combined Control Facility

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N732DF
Kualapuu, HI, December 10, 2017

HCF CCF conducted a review of services concerning N732DF and was determined to have routine services. As the holding facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

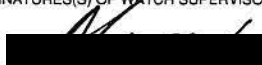
FAA Form 7230-4
FAA Form 7230-10
FAA Form 8020-6
FAA Form 8020-6-1
FAA Form 8020-9
FAA Form 8020-3
Personnel Log(s)
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Facility Layout Chart(s)
Continuous Data Recording (CDR)
Flight Progress Strip(s)

HCF-CCF-0074

N732DF

SECTION 4.

FAA Form(s) 7230-4, Daily Record of Facility Operation

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 2
				DATE Dec 10, 2017
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY 
Honolulu, HI	HCF	TRACON	OMIC/OSIC	AIR TRAFFIC MANAGER Michael Whitford
UTC TIME	REMARKS			
1000	A. CARRILHO ON. TWR/OPS MSAW ALARM CHECK COMPLETE. UHF/VHF EMERGENCY FREQUENCY CHECK COMPLETE. WCLC. CFPL: RWYS 4 AND 8 IN USE, TWYS A CLSD PER NOTAM; OGG MODIFIED STANDARD FLOW; FACSAC CLSD; NGF CLSD; TRACON COMBINED TO TOWER; SECON LEVEL YELLOW -- AA			
1600	APPROACH IN TRACON -- AA			
1610	A. MIKHALEK ON. -- AA			
1730	M. FARMER ON. FACSAC OPEN. -- MI			
1815	TWR OPS MSAW ALARM VOLUME CHECKS COMPLETE. VHF / UHF EMERGENCY FREQ CHECKS COMPLETE. WCLC. -- CZ			
2012	HCF RECEIVED A CALL FROM ITO TOWER OVER A DISTRESSED CALL ON 263.1 (ITO TWR UHF). NO MILITARY A/C IN ITO APCH AIRSPACE OR SECTOR 5. R3103 ADVISED NO MILITARY A/C FLYING. AFSS REPORTED NO MILITARY A/C (VFR OR IFR) FLIGHT PLANS ON FILE. -- MI			
2105	N732DF C206 VFR HNL-MKK. REQUESTED THE VOR-A DUE TO WEATHER CONDITIONS OVER THE WEST SHORLINE AT MKK. R3 ISSUED RADAR VECTORS AND CLEARED THE A/C FOR THE VOR-A APCH. LATEST WEATHER (ATIS J) WAS RECEIVED BY N732DF. R3 SWITCHED N732DF PRIOR TO THE WEST SHORELINE. RADAR AND RADIO LOST AT (2108N/15707W). 2 CONFIRMED FATALITIES BY MOLOKAI FIRE DEPARTMENT. WOC AND ROC NOTIFIED. ALNOT ISSUED. SIGNIFICANT MOR FILED BY MKK TOWER (MKK M-2017/12/10-0001)			
	MKK 12102103Z 030008KTS 6SM BR 012 SCT 017 BKN 048 OVC 21/20 A3004 -- MI			
M 2231	HCF-M-2017/12/10-0001 -- N20121/HAL138 -- BN			
M 0030	HCF-M-2017/12/10-0002 -- JAL785 -- CL			
0145	M. JACKSON ON. -- MI			
0200	FASFAC CLSD. -- KJ			
0210	OGG SOUTH FLOW -- KJ			
0220	TWR OPS MSAW ALARM VOLUME CHECKS COMPLETE. VHF / UHF EMERGENCY FREQ CHECKS COMPLETE. WCLC. -- KJ			
0229	OGG RWY 2/5 IN USE MODIFIED STANDARD. -- KJ			
0330	D MEYER ON. -- KU			
M 0711	HCF-M-2017/12/10-0003 -- N/A -- KU			
0811	H COMBINED IN THE TOWER. -- KU			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded.		SIGNATURE(S) OF WATCH SUPERVISOR(S) 		

FAA Form 7230-4

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 2 of 2
				DATE Dec 10, 2017
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY <i>CZ</i>
Honolulu, HI	HCF	TRACON	OMIC/OSIC	AIR TRAFFIC MANAGER Michael Whitford
UTC TIME	REMARKS			
0830	A.MIKHALEK ON. -- CZ			
0959	COB. -- CZ			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded. SIGNATURE(S) OF WATCH SUPERVISOR(S) 				

FAA Form 7230-4

SECTION 5.
Personnel Log(s)



Federal Aviation Administration

Honolulu Control Facility
760 Worchester Avenue
Honolulu, HI 96818
P: 808-840-6100
F: 808-840-6110

Memorandum

Date: January 9, 2018

To: Aircraft Accident File HCF-CCF-0074

[REDACTED]

From: Liane Hamamoto, Acting Manager, Honolulu Control Facility

Subject: Personnel Log Amendment,
Aircraft Accident, N732DF
Kualapu'u, HI, December 10, 2017

I certify that the following personnel were not scheduled to work on December 10, 2017

Ernest Akau
Mark Alejo
Chad Ashley
Bryce Aubrey
Josiah Barta
Dominic Cunningham
Michael Fong
Candice Gertonson
Christopher Hisamoto
Sanford Kaga
Bryce Kitashiro
Roger Ledoux
Jonathan Leung
Andrew Motley
Trent Nakasaki
Christine Pascua
Jacob Peoples
Richard Psillos
Rajnish Robertson
Ashley Rodriguez
Chad Shinkawa
Jennifer Shiraishi
Nathaniel Spencer
Shari Sugai

Kevin Taaca
Lee Takenaka
Tyler Torgerud
Bob Toyosato
Ellie Xue

ART - Sign On Log

1/8/2018 1:31:11 PM

HCF

Selected Report Dates: 12/8/2017 10:00:00 PM - 12/9/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
AY	AUBREY, BRYCE A	22:15-06:15/R	22:15:00	06:15:00			1+40	
	REMARKS							
KW	KAWAAUHAU, SALAMASINA	22:15-06:15/R	22:10:00	06:15:00			1+48	0+5
	REMARKS							
BK	KITASHIRO, BRYCE W	22:15-06:15/R	22:15:00	06:15:00	8+0			
	REMARKS							
CS	SHINKAWA, CHAD A	22:15-06:15/R	22:00:00	06:15:00			4+21	0+15
	REMARKS							
AA	CARRILHO, ANTONIO	22:45-06:45/R	22:45:00	07:00:00				0+15
	REMARKS							
BN	BELLESEN, KENNETH B	06:00-14:00/R	05:45:00	14:00:00				0+15
	REMARKS							
MJ	MOMOHARA, JUSTIN K.	06:00-14:00/R	06:00:00	14:00:00				
	REMARKS							
TN	NAKASAKI, TRENT L	06:00-14:00/R	05:48:00	14:00:00				0+12
	REMARKS							
TV	NICELY, TRAVIS	06:00-14:00/R	05:40:00	14:00:00				0+20
	REMARKS							
LT	TAKENAKA, LEE S	06:00-14:00/R	05:50:00	13:55:00	0+5	2+31		0+10
	REMARKS							
BT	TORRICER-MONTERO, BOYD M	06:00-14:00/R	06:00:00	14:00:00			0+34	
	REMARKS							
SA	DUNN, SAMUEL C.	07:00-14:00/R	06:45:00	14:00:00		1+53		0+15
	REMARKS							
SW	WEBER, SCOTT W	07:00-14:00/R	06:40:00	14:00:00			2+9	0+20
	REMARKS							
AP	PALMER, ADAM	07:00-15:00/R	07:00:00	15:00:00				
	REMARKS							
FX	CHARLSTON, MICHAEL	07:15-15:15/R	07:15:00	15:15:00	8+0			

HCF

Selected Report Dates: 12/8/2017 10:00:00 PM - 12/9/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
	M							
	REMARKS							
PR	HERNANDEZ, PAUL	07:15-15:15/R	07:15:00	15:15:00	8+0			
	REMARKS							
EZ	MARUSHIGE, LANCE K	07:15-15:15/R	06:55:00	15:15:00				0+20
	REMARKS							
DN	SASAKI, DANE H	07:15-15:15/R	07:15:00	15:15:00	8+0			
	REMARKS							
NV	VIERRA, NINA T	07:15-15:15/R	07:15:00	15:15:00	8+0			
	REMARKS							
MK	KULAS, MEGAN	08:00-16:00/R	08:00:00	16:00:00				
	REMARKS							
CB	OKI, KRISTYN	08:00-16:00/R	08:00:00	15:35:00	0+25			
	REMARKS							
FN	GERTONSON, CANDICE M	08:30-16:30/R	08:30:00	15:55:00	0+35			
	REMARKS							
JQ	QUINATA, JESSE	08:30-16:30/R	08:30:00	16:30:00				
	REMARKS							
ZX	GUTH, MICHAEL J	08:45-16:45/R	08:45:00	16:45:00		0+57		
	REMARKS							
LX	NOSSE, LORI	10:15-18:15/R	10:15:00	18:15:00		1+56		
	REMARKS							
PH	PARISH, ALIKA J	10:15-18:15/R	10:15:00	18:15:00				
	REMARKS							
LA	CHING, LESLIE ANN R	11:30-19:30/R	09:30:00	19:30:00				2+0
	REMARKS							
KO	OYA, KELVIN K	11:30-19:30/R	11:00:00	19:30:00			1+0	0+30
	REMARKS							
JH	HRUBY, JEFFREY J	13:00-21:00/R	12:53:00	18:58:00	2+2			0+7
	REMARKS							
	WENNES, JOHN H	13:00-21:00/R	13:00:00	21:00:00	8+0			
	REMARKS							

HCF

Selected Report Dates: 12/8/2017 10:00:00 PM - 12/9/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
PG	ROBLES, NESTOR L	14:30-22:30/R	14:30:00	22:30:00				
	REMARKS							
KT	TOMASA, NIKI C	14:30-22:30/R	12:30:00	22:30:00		0+23	2+44	2+0
	REMARKS							
RK	COPPOLA, RICHARD A.	16:00-24:00/R	16:00:00	00:00:00			3+8	
	REMARKS							
CT	KAHIAPO, CURTIS K	16:00-24:00/R	16:00:00	00:00:00			1+38	
	REMARKS							
TY	REA, THAI V.	16:00-24:00/R	14:00:00	00:00:00				2+0
	REMARKS							
DT	THORNBERRY, DUSTIN K	16:00-24:00/R	15:45:00	00:00:00			2+28	0+15
	REMARKS							
AA	CARRILHO, ANTONIO	21:50-05:50/O	21:50:00	06:30:00				8+40
	REMARKS							

ART - Sign On Log

1/8/2018 10:13:57 AM

HCF

Selected Report Dates: 12/9/2017 10:00:00 PM - 12/10/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
SA	DUNN, SAMUEL C.	00:00-08:00/R	23:00:00	08:00:00			3+58	1+0
	REMARKS							
KW	KAWAAUHAU, SALAMASINA	00:00-08:00/R	23:20:00	06:45:00	1+15		0+20	0+40
	REMARKS							
SW	WEBER, SCOTT W	00:00-08:00/R	23:54:00	08:00:00			2+26	0+6
	REMARKS							
BN	BELLESEN, KENNETH B	06:00-14:00/R	05:45:00	14:00:00				0+15
	REMARKS							
FX	CHARLSTON, MICHAEL M	06:00-14:00/R	05:50:00	14:00:00		0+51	1+14	0+10
	REMARKS							
PR	HERNANDEZ, PAUL	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
MA	MARIANO, MATTHEW I	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
EZ	MARUSHIGE, LANCE K	06:00-14:00/R	06:00:00	13:00:00	1+0			
	REMARKS							
MJ	MOMOHARA, JUSTIN K.	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
TV	NICELY, TRAVIS	06:00-14:00/R	05:40:00	15:00:00				1+20
	REMARKS							
CB	OKI, KRISTYN	06:00-14:00/R	06:00:00	12:45:00	1+15			
	REMARKS							
PH	PARISH, ALIKA J	06:00-14:00/R	06:00:00	14:00:00		3+34		
	REMARKS							
DN	SASAKI, DANE H	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
BT	TORRICER-MONTERO, BOYD M	06:00-14:00/R	06:00:00	12:00:00	2+0			
	REMARKS							

HCF

Selected Report Dates: 12/9/2017 10:00:00 PM - 12/10/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
NV	VIERRA, NINA T	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
ZX	GUTH, MICHAEL J	07:00-15:00/R	07:00:00	15:00:00				
	REMARKS							
AP	PALMER, ADAM	07:00-15:00/R	07:00:00	15:00:00				
	REMARKS							
JQ	QUINATA, JESSE	07:00-15:00/R	07:00:00	15:00:00				
	REMARKS							
LX	NOSSE, LORI	07:01-15:01/R	07:01:00	15:01:00		0+18		
	REMARKS							
MK	KULAS, MEGAN	07:05-15:05/R	07:05:00	15:05:00				
	REMARKS							
LA	CHING, LESLIE ANN R	09:00-17:00/R	08:00:00	17:00:00			0+14	1+0
	REMARKS							
KO	OYA, KELVIN K	09:00-17:00/R	08:45:00	17:00:00				0+15
	REMARKS							
JH	HRUBY, JEFFREY J	10:00-18:00/R	10:00:00	18:00:00	8+0			
	REMARKS							
OC	OCONNOR, NATHANIEL J	10:00-18:00/R	10:00:00	18:00:00				
	REMARKS							
TY	REA, THAI V.	10:00-18:00/R	09:20:00	18:20:00				1+0
	REMARKS							
	WENNES, JOHN H	10:00-18:00/R	10:00:00	18:00:00	8+0			
	REMARKS							
CT	KAHIAPO, CURTIS K	10:10-18:10/R	10:10:00	18:10:00		3+38	0+34	
	REMARKS							
PG	ROBLES, NESTOR L	10:30-18:30/R	10:30:00	18:30:00				
	REMARKS							
CL	LEE, CHARLES A	11:02-19:02/R	09:02:00	19:02:00				2+0
	REMARKS							
KT	TOMASA, NIKI C	11:30-19:30/R	10:00:00	19:30:00		1+18	1+50	1+30
	REMARKS							

HCF

Selected Report Dates: 12/9/2017 10:00:00 PM - 12/10/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
DT	THORNBERRY, DUSTIN K	12:00-20:00/R	11:50:00	20:00:00			0+42	0+10
	REMARKS							
CU	GUADNOLA, JOHN A	13:15-21:15/R	11:15:00	21:15:00		1+31	3+10	2+0
	REMARKS							
SL	LYNCH, STEVEN P	13:15-21:15/R	13:15:00	21:15:00				
	REMARKS							
RK	COPPOLA, RICHARD A.	14:30-22:30/R	14:30:00	22:30:00			1+52	
	REMARKS							
GN	GERTONSON, JOSEPH T	14:30-22:30/R	14:30:00	22:30:00	8+0			
	REMARKS							
OG	KAMAKAHI, JACOB	14:30-22:30/R	14:00:00	22:30:00		2+12	2+10	0+30
	REMARKS							
WP	NAKAMITSU, DANIEL S	14:30-22:30/R	14:30:00	22:30:00	8+0			
	REMARKS							
JR	RAMOS, JUSSERAND F.	14:30-22:30/R	14:10:00	22:30:00			1+27	0+20
	REMARKS							

ART - Sign On Log

1/8/2018 10:14:55 AM

HCF

Selected Report Dates: 12/9/2017 10:00:00 PM - 12/10/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
BC	CANALI, ROBERT P.	00:00-08:00/R	23:54:00	08:00:00				0+6
	REMARKS							
SH	HEATH, SAMANTHA S	00:00-08:00/R	23:54:00	08:00:00				0+6
	REMARKS							
MM	MEDEIROS, MARK E.	00:00-08:00/R	23:54:00	08:00:00				0+6
	REMARKS							
RA	WONG, RANDALL T.	00:00-08:00/R	00:00:00	08:00:00	8+0			
	REMARKS							
KK	CHUBERKO, KELII K	06:00-14:00/R	07:00:00	14:00:00	1+0			
	REMARKS							
RC	CONRAD, RICHARD W	06:00-14:00/R	06:00:00	13:15:00	0+45	3+43		
	REMARKS							
CR	COSIER, GORDON D.	06:00-14:00/R	06:00:00	14:00:00				
	REMARKS							
CZ	MIKHALEK, ALEX	06:00-14:00/R	06:00:00	14:00:00				
	REMARKS							
LS	SAKIHARA, LINDA A.	06:00-14:00/R	06:00:00	14:00:00	16+0			
	REMARKS							
YO	YAMAMOTO, LOGAN N	06:00-14:00/R	06:00:00	14:00:00				
	REMARKS							
PL	LORENZO, POLIALA A, S.	07:00-15:00/O	07:00:00	15:00:00				8+0
	REMARKS							
BY	YERMAN, ROBERT	07:00-15:00/R	07:00:00	15:00:00				
	REMARKS							
XS	OLSON, STEVEN C.	07:15-15:15/R	07:15:00	15:15:00	8+0			
	REMARKS							
MI	FARMER, MICHAEL J	07:25-15:25/R	07:25:00	16:15:00				0+50
	REMARKS							
XJ	FAHRENWALD, DAVID	07:32-15:32/R	07:32:00	16:32:00				1+0

HCF

Selected Report Dates: 12/9/2017 10:00:00 PM - 12/10/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
	D							
	REMARKS							
JJ	KAAWALOA, JAZMINE K	08:23-16:23/R	08:23:00	15:00:00	1+23	1+34		
	REMARKS							
JA	SCHMID, JARED L	08:40-16:40/R	08:40:00	16:40:00				
	REMARKS							
LM	MOTOKI, LEVI K	08:46-16:46/O	08:46:00	14:50:00				6+4
	REMARKS							
TZ	GAYAGAS, ZACHARY	08:50-16:50/R	08:50:00	16:50:00				
	REMARKS							
JC	TAGAVILLA, JACEY C.	08:57-16:57/R	08:57:00	16:57:00				
	REMARKS							
TC	BUFFETT, TIMOTHY-CARTER M	09:00-17:00/R	09:00:00	17:00:00				
	REMARKS							
BD	SIM, BEN S.	09:00-17:00/R	09:00:00	17:00:00		4+4		
	REMARKS							
VA	VILLAFANIA, JOSHUA D	09:00-17:00/R	09:00:00	17:00:00	8+0			
	REMARKS							
YI	YI, ISAAC	09:00-17:00/R	09:00:00	17:00:00	8+0			
	REMARKS							
KJ	JACKSON, MARCUS K	10:00-18:00/R	08:00:00	18:00:00				2+0
	REMARKS							
SO	SCHULTZ, SEAN W	11:30-19:30/R	11:30:00	19:30:00				
	REMARKS							
TT	TSUNEDA, CHEYNE M.	11:57-19:57/R	11:57:00	19:57:00		4+16		
	REMARKS							
TK	CASSERES PALMER, THOMAS C	12:00-20:00/R	12:00:00	20:00:00				
	REMARKS							
GK	KAGA, TYLER S	12:00-20:00/R	11:29:00	20:00:00				0+31
	REMARKS							
KE	LUI, KELLIE A	12:30-20:30/R	12:30:00	20:30:00				
	REMARKS							

HCF

Selected Report Dates: 12/9/2017 10:00:00 PM - 12/10/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
JO	LIU, JOSEPH K.	13:00-21:00/O	13:00:00	21:00:00				8+0
	REMARKS							
JZ	CHANG, JONAH I	14:30-22:30/R	14:30:00	22:30:00				
	REMARKS							
TW	DECORTE, TARSHA A	14:30-22:30/R	14:20:00	22:30:00				0+10
	REMARKS							
ZH	HUNZIKER, ZACK L	14:30-22:30/R	14:15:00	22:30:00				0+15
	REMARKS							
CC	LIU, CHRISTOPHER K.	14:30-22:30/R	14:30:00	22:30:00	8+0			
	REMARKS							
ZO	LORENZO, SHAWN K	14:30-22:30/R	14:45:00	22:30:00	0+15			
	REMARKS							
AM	MIN, ANDREW	14:30-22:30/R	14:25:00	22:00:00	0+30			0+5
	REMARKS							
LN	MURAKAMI, LANDEN	14:30-22:30/R	14:14:00	22:30:00		0+46		0+16
	REMARKS							
KU	MEYER, DUSTIN B	15:00-23:00/R	14:15:00	23:00:00				0+45
	REMARKS							

SECTION 6.

FAA Form(s) 7230-10, Position Log, or automated equivalent

POSITION LOG					
Fac ID: HCF		Log Date: 12/10/2017			
Pos ID: CD		Pos Type: CD			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1703		GC	GC
1704	AP	1741	C		
1742	BT	1811	C		
1812	AP	1921	C		
1922	TV	1959	C		
2000	AP	2044	C		
2045	PG	2110	C		
2111	AP	2140	C		
2141	LX	2156	C		
2157	OC	2321	C		
2322	AP	2358	C		
2359	OC	0019	C		
0020	JR	0029	C		
0030	JR	0056	C		
0057	OC	0137	C		
0138	KT	0211	C		
0212	OC	0246	C		
0247	SL	0319	C		
0320		0959		GC	GC

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF Log Date: 12/10/2017
Pos ID: GC Pos Type: GC

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1549		LC1	LC
1550	TV	1559	C		
1600	TV	1607	C		
1608	BT	1707	C		
1708	JQ	1742	C		
1743	FX	1824	C		
1825	LA	1858	C		
1859	LX	1943	C		
1944	JQ	2006	C		
2007	KT	2124	C		
2007	OC	2124	T		
2125	CU	2143	C		
2144	AP	2244	T		
2144	CU	2244	C		
2245	PG	2313	C		
2314	FX	2325	C		
2326	CU	2354	C		
2355	PG	2359	C		
0000	CU	0000	C		
0001	AP	0031	T		

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF Log Date: 12/10/2017
Pos ID: GC Pos Type: GC

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0001	CU	0031	C		
0032	CU	0058	C		
0059	JR	0137	C		
0138	TY	0319	S		
0320	SL	0339	C		
0340	PG	0409	C		
0410	KT	0432	C		
0433	JR	0433	C		
0434	JR	0600	C		
0601	OG	0810	C		
0811		0959		LC1	LC

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF
Pos ID: LC1

Log Date: 12/10/2017
Pos Type: LC

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000	SA	1114	C		
1115	KW	1125	C		
1126	SA	1314	C		
1315	SW	1405	C		
1406	KW	1414	C		
1415	SW	1541	C		
1542	TV	1549	C		
1550	BN	1559	S		
1600	BN	1601	S		
1602	CB	1607	S		
1608	CB	1652	S		
1653	TV	1720	C		
1721	LX	1817	C		
1818	JQ	1905	C		
1906	FX	1945	C		
1946	CL	2046	S		
2047	FX	2112	C		
2113	FX	2204	C		
2113	PG	2204	T		
2205	KT	2323	C		

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF
Pos ID: LC1

Log Date: 12/10/2017
Pos Type: LC

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
2324	LX	0000	C		
0001	LX	0019	C		
0001	PG	0019	T		
0020	OG	0029	C		
0020	PG	0135	T		
0030	OG	0135	C		
0136	CU	0211	C		
0212	OG	0308	C		
0212	PG	0308	T		
0309	OG	0319	C		
0320	KT	0340	C		
0341	SL	0421	C		
0422	OG	0530	C		
0531	SL	0631	C		
0632	JR	0810	C		
0811	KW	0959	C		

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: HCF		Log Date: 12/10/2017			
Pos ID: L		Pos Type: DR			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1909		V	AR
1910	EZ	2022	C		
2023	CT	2200	C		
2023	JQ	2200	T		
2201	DT	2231	C		
2232	CT	0033	C		
2232	JQ	0033	T		
0034	DT	0129	C		
0130	DT	0138	C		
0139	KO	0242	C		
0243	CT	0308	C		
0309		0959		V	AR

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF
Pos ID: R3

Log Date: 12/10/2017
Pos Type: AP

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000	MM	1200	C		
1201	BC	1400	C		
1401	SH	1559	C		
1600	YO	1707	C		
1708	PL	1814	C		
1815	KK	1904	C		
1905	TC	2005	C		
2006	CR	2151	C		
2152	JJ	2228	C		
2229	PL	2306	C		
2307	JO	2348	C		
2349	XJ	0023	C		
0024	LM	0043	C		
0044	KE	0108	C		
0109	TZ	0215	C		
0216	AM	0331	C		
0332	ZO	0404	C		
0405	JO	0459	C		
0500	AM	0529	C		
0530	KE	0600	C		

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF
Pos ID: R3

Log Date: 12/10/2017
Pos Type: AP

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: D3	Pos Type: RA

Log Date: 12/10/2017
Pos Type: RA

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000	BC	1044	C		
1045		1905		R3	AP
1906	KK	1914	C		
1915		1916		R3	AP
1917	JC	2028	C		
2029	KK	2103	C		
2104		2104		R3	AP
2105	KK	2131	C		
2132	JJ	2143	C		
2144	JA	2206	C		
2207	TK	2307	T		
2207	TT	2307	C		
2308		2338		R3	AP
2339	GK	0137	T		
2339	TT	0137	C		
0138	LN	0223	C		
0138	TK	0223	T		
0224	TK	0342	T		
0224	TT	0342	C		
0343	TW	0424	C		

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: D3	Pos Type: RA

Log Date: 12/10/2017
Pos Type: RA

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF Log Date: 12/10/2017
 Pos ID: LA Pos Type: LA

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1755		LC1	LC
1756	TV	1846	C		
1847	BT	1941	C		
1942	LA	2023	C		
2024	LX	2108	C		
2109	LA	2230	C		
2231	TV	2325	C		
2326	SL	2359	C		
0000	KT	0102	C		
0103	SL	0212	C		
0213	JR	0318	C		
0319		0959		LC1	LC

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: LC2	Pos Type: LC

Log Date: 12/10/2017
Pos Type: LC

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Log Date: 12/10/2017

Pos Type: FD

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: HCF			Log Date: 12/10/2017		
Pos ID: V			Pos Type: AR		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1702		H	AR
1703	ZX	1714	C		
1715	MK	1754	C		
1755	CB	1836	S		
1837	ZX	1855	C		
1856	CB	1919	S		
1920	MK	1937	C		
1938	ZX	2048	C		
2049	KO	2215	C		
2216	EZ	2234	C		
2235	DT	0001	C		
0002	MK	0031	C		
0032	LA	0122	C		
0123	RK	0138	C		
0139	LA	0216	C		
0217	RK	0308	C		
0309	CT	0316	C		
0317	DT	0441	C		
0442		0959		H	AR

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF Log Date: 12/10/2017
Pos ID: H Pos Type: AR

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000	KW	1114	C		
1115		1244		CD	CD
1245	SW	1313	C		
1314		1414		CD	CD
1415	KW	1559	C		
1600	EZ	1702	C		
1703	PH	1751	C		
1752	EZ	1832	C		
1833	MK	1917	T		
1833	PH	1917	C		
1918	PH	1929	C		
1930	KO	2009	C		
2010	PH	2011	C		
2012	MK	2136	T		
2012	PH	2136	C		
2137	PH	2137	C		
2138	EZ	2213	C		
2214	MK	2340	T		
2214	PH	2340	C		
2341	ZX	0031	C		

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF Log Date: 12/10/2017
Pos ID: H Pos Type: AR

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0032	KO	0120	C		
0121	CT	0139	C		
0140	CT	0212	C		
0213	DT	0213	C		
0214	DT	0245	C		
0246	CU	0429	C		
0430	RK	0453	C		
0454	RK	0534	C		
0535	CU	0659	C		
0700	RK	0810	C		
0811	BT	0814	C		
0815	BT	0959	C		

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF Log Date: 12/10/2017
 Pos ID: W Pos Type: AP

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1803		H	AR
1804	ZX	1834	C		
1835		1847		H	AR
1848	KO	1859	C		
1900	KO	1929	C		
1930	TY	1959	S		
2000	TY	2128	S		
2129	ZX	2259	C		
2300	KO	2349	C		
2350	TY	0042	S		
0043	RK	0121	C		
0122		0959		H	AR

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: HCF			Log Date: 12/10/2017		
Pos ID: TS			Pos Type: SI		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1751		Closed	
1752	CB	2236	S		
2237	TY	0129	S		
0130	DT	0139	C		
0140	CT	0213	C		
0214	DT	0245	C		
0246	CU	0430	C		
0431	CL	0453	S		
0454	RK	0534	C		
0535	CU	0659	C		
0700	RK	0810	C		
0811		0959		Closed	

FAA Form 7230-10 (Electronic)

POSITION LOG	
--------------	--

Pos ID: OMT

Pos Type: SI

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: D2	Pos Type: RA

Log Date: 12/10/2017
Pos Type: RA

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: D4	Pos Type: RA

Log Date: 12/10/2017
Pos Type: RA

[illegible]

FAA Form 7230-10 (Electronic)

[illegible][illegible]

[illegible]

Log Date: 12/10/2017
Pos Type: RA

Where Combined To:

Pos Type

RA

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: D7	Pos Type: RA

Log Date: 12/10/2017
Pos Type: RA

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Pos ID: D8

Pos Type: RA

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: HCF		Log Date: 12/10/2017			
Pos ID: R2		Pos Type: AP			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1605		R4	AP
1606	CR	1741	C		
1742	YO	1743	C		
1744	CR	1751	C		
1752	XJ	1848	C		
1849	LM	1936	C		
1937	JJ	1938	C		
1939	TZ	2028	C		
2029	PL	2148	C		
2149	YO	2330	C		
2331	PL	0028	C		
0029	JO	0107	C		
0108	XJ	0131	C		
0132	XJ	0134	C		
0135	KU	0303	S		
0304	LN	0421	C		
0422	TT	0457	C		
0458	TW	0609	C		
0610	ZO	0650	C		
0651	TW	0739	C		

FAA Form 7230-10 (Electronic)

[illegible]

POSITION LOG					
Fac ID: HCF		Log Date: 12/10/2017			
Pos ID: R4		Pos Type: AP			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000	SH	1018	C		
1019		1559		R3	AP
1600	RC	1732	C		
1733	XJ	1748	C		
1749		1825		R5	AP
1826	KJ	1959	S		
2000	KJ	2001	S		
2002	YO	2101	C		
2102	TZ	2234	C		
2235	LM	2307	C		
2308	XJ	2339	C		
2340	BY	0033	C		
0034	AM	0134	C		
0135	KE	0146	C		
0147	ZH	0344	C		
0345	KE	0447	C		
0448	ZO	0534	C		
0535	ZH	0647	C		
0648	LN	0729	C		
0730	ZH	0807	C		

FAA Form 7230-10 (Electronic)

[illegible]

POSITION LOG					
Fac ID: HCF			Log Date: 12/10/2017		
Pos ID: R5			Pos Type: AP		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1748		R4	AP
1749	BY	1945	T		
1749	RC	1945	C		
1946	XJ	2016	C		
2017	LM	2033	C		
2034	BY	2221	T		
2034	RC	2221	C		
2222	KK	2251	C		
2252	KE	2344	C		
2345	LM	0020	C		
0021	ZH	0029	C		
0030	ZH	0110	C		
0111	TC	0216	C		
0217	JZ	0344	C		
0345	JO	0401	C		
0402	ZH	0459	C		
0500	TT	0528	C		
0529	JO	0626	C		
0627		0959		R4	AP

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: HCF			Log Date: 12/10/2017		
Pos ID: R7			Pos Type: AP		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		2101		R3	AP
2102	XJ	2220	C		
2221	TC	2258	C		
2259	BD	2305	C		
2306	JO	2306	C		
2307	BD	2344	C		
2345	TC	0036	C		
0037	JZ	0136	C		
0137	XJ	0155	C		
0156	JO	0304	C		
0305	KE	0339	C		
0340		0959		R3	AP

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: HCF			Log Date: 12/10/2017		
Pos ID: R10			Pos Type: AP		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		1700		R4	AP
1701	KK	1747	C		
1748	YO	1855	C		
1856	PL	1939	C		
1940	JJ	2035	C		
2036	LM	2143	C		
2144	BD	2232	C		
2233	CR	2315	C		
2316	TZ	0026	C		
0027	LN	0029	C		
0030	LN	0050	C		
0051	ZO	0149	C		
0150	KE	0223	C		
0224	ZO	0328	C		
0329	FM	0418	C		
0419	JZ	0516	C		
0517	LN	0609	C		
0610	AM	0751	C		
0752	JZ	0814	C		
0815		0959		R4	AP

FAA Form 7230-10 (Electronic)

[illegible]

Log Date: 12/10/2017
Pos Type: AP

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000		0959		R2	AP

FAA Form 7230-10 (Electronic)

[illegible]

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: R9	Pos Type: AP

Log Date: 12/10/2017
Pos Type: AP

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: HCF		Log Date: 12/10/2017			
Pos ID: CS		Pos Type: SC			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1000	SA	1114	C		
1115	KW	1125	C		
1126	SA	1314	C		
1315	SW	1405	C		
1406	KW	1414	C		
1415	SW	1549	C		
1550	FX	1559	C		
1600	FX	1703	C		
1704	BN	1808	S		
1809	LA	1822	C		
1823	BN	2048	S		
2049	CL	2101	S		
2102	CL	2146	S		
2147	BN	2307	S		
2308	CL	0243	S		
0244	KT	0433	C		
0434	JR	0600	C		
0601	OG	0810	C		
0811	KW	0959	C		

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: OMIC1	Pos Type: SI

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: OMIC1	Pos Type: SI

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Pos ID: OS

Pos Type: SI

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF Log Date: 12/10/2017
Pos ID: OSIC Pos Type: SI

Log Date: 12/10/2017
Pos Type: SI

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: A2	Pos Type: DI

Pos Type: DI

[illegible]

FAA Form 7230-10 (Electronic)

[illegible]

POSITION LOG

Pos ID: A4

Pos Type: DI

[illegible]

FAA Form 7230-10 (Electronic)

[illegible]

FAA Form 7230-10 (Electronic)

[illegible][illegible]

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: C4	Pos Type: CI

Log Date: 12/10/2017
Pos Type: CI

[illegible]

FAA Form 7230-10 (Electronic)

[illegible][illegible]

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: OMIC2	Pos Type: SI

Log Date: 12/10/2017
Pos Type: SI

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: HCF	Log Date: 12/10/2017
Pos ID: ISL CIC	Pos Type: SI

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Pos ID: OM

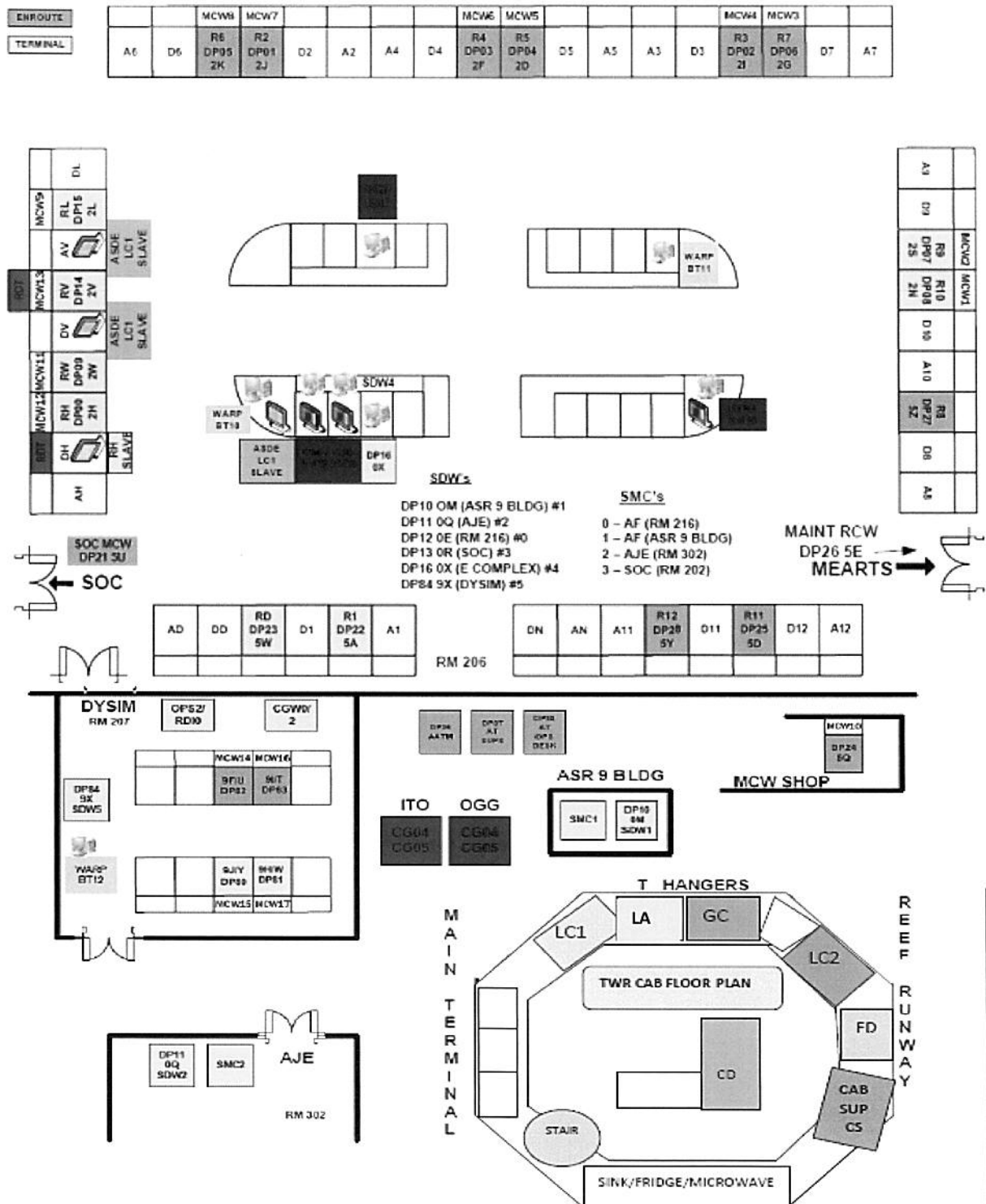
Pos Type: SI

[illegible]

FAA Form 7230-10 (Electronic)

SECTION 7.
Facility Layout Chart(s)

OPERATIONS FLOOR MAP



SECTION 8.

Flight Progress Strip(s) and/or In-Flight Contact Record(s)

Flight Progress Strip(s)

FPS Honolulu CCF December 10, 2017 UTC

N2DF	77	F	E	E			

FAA 7230-8 (5-88)

N2DF C172 TWO	2.1 04 2105 MARK	VF 2	2105 2135 R	LOKIE.. MARK VRA	0277 D2

SECTION 9.

FAA Form(s) 8020-3, Facility Accident/Incident Notification Record



FACILITY ACCIDENT/INCIDENT NOTIFICATION RECORD

Aircraft Identification

N732DF

Date

12/10/17

Airport
MKK

The order and number of calls will be determined by the situation involved.

	Phone No.	Time	Initials	
			Caller	Recipient
Airport Emergency Equipment		2105Z	MT	
Additional Emergency Equipment				
Search and Rescue		2110Z	MT	
*Washington Operations Center (WOC)		2118Z	MT	
Region Operations Center (ROC)		2126Z	MT	
Domestic Events Network (DEN)				
Air Traffic Manager ATM Thomas Funkhouser		N/A	R3	
Flight Standards District Office (FSDO)				
System Safety Investigations				
National Transportation Safety Board (NTSB)				
System Maintenance Organization Manager		2130Z	MT	
Law Enforcement MKK Police Department Admin Desk		2120Z	MT	
National Weather Service (NWS)				
Military Authority				
Airport Authority Carl Brito				
Aircraft Operator				
Operational Control Center (OCC)				
Hawaii Pacific District Manager- Debbie Saito		2122Z	MT	
Terry Cole (MKK ATCS)				
Eric Korpi (MKK ATCS)				
Bret Konsavage (MKK ATCS)				
Charles Walker (MKK ATCS)				
TSA Coordination Center (MKK uses OGG TSA) (24hrs)				
Security (Lost & Found)				
*After Hours HCF-ATM Mike Whitford	2120Z	MT		

Form Updated by (Name, Title, Facility): Honolulu Control Facility, Jamie Takamune, Secretary

Date: 10/17/2017

*Accidents requiring telephone notification to Washington shall be made immediately following notification for emergency equipment and/or search and rescue.

FAA Form 8020-3 (12-10) Supersedes Previous Edition

SECTION 10.
Weather Products

Honolulu CCF

Weather Products 12/10/2017 UTC

METAR PHMK 102103Z 03008KT 6SM BR SCT012 BKN017 OVC048 22/21 A3004 RMK AO2 RAE03
P0000 T02170206

SPECI PHMK 102127Z 03010G17KT 9SM SCT011 BKN050 OVC065 23/21 A3003 RMK AO2 RAE03
P0000 T02280206

I certify the attached copy of the METARsS originated from the APG-link to
archived weather is an accurate copy of the original.



Kristine L. Cunningham
Support Specialist
Honolulu Control Facility

HCF-CCF-0074
N732DF

SECTION 11.

Other

UTC (Zulu) Time Conversion Chart

UTC (Zulu)	PST/ ALDT	PDT/ MST	MDT/ CST	CDT/ EST	EDT/ AST	ALST	HST
0000*	1600	1700	1800	1900	2000	1500	1400
0100	1700	1800	1900	2000	2100	1600	1500
0200	1800	1900	2000	2100	2200	1700	1600
0300	1900	2000	2100	2200	2300	1800	1700
0400	2000	2100	2200	2300	0000*	1900	1800
0500	2100	2200	2300	0000*	0100	2000	1900
0600	2200	2300	0000*	0100	0200	2100	2000
0700	2300	0000*	0100	0200	0300	2200	2100
0800	0000*	0100	0200	0300	0400	2300	2200
0900	0100	0200	0300	0400	0500	0000*	2300
1000	0200	0300	0400	0500	0600	0100	0000*
1100	0300	0400	0500	0600	0700	0200	0100
1200	0400	0500	0600	0700	0800	0300	0200
1300	0500	0600	0700	0800	0900	0400	0300
1400	0600	0700	0800	0900	1000	0500	0400
1500	0700	0800	0900	1000	1100	0600	0500
1600	0800	0900	1000	1100	1200	0700	0600
1700	0900	1000	1100	1200	1300	0800	0700
1800	1000	1100	1200	1300	1400	0900	0800
1900	1100	1200	1300	1400	1500	1000	0900
2000	1200	1300	1400	1500	1600	1100	1000
2100	1300	1400	1500	1600	1700	1200	1100
2200	1400	1500	1600	1700	1800	1300	1200
2300	1500	1600	1700	1800	1900	1400	1300
2400	1600	1700	1800	1900	2000	1500	1400

The time *0000 and 2400 are interchangeable. The time 2400 is associated with the date of the day ending, and 0000 with the day just starting.

UTC = Coordinated Universal Time, or Zulu
PST = Pacific Standard Time (UTC - 8 hours)
ALDT = Alaskan Daylight Time (UTC - 8 hours)
PDT = Pacific Daylight Time (UTC - 7 hours)
MST = Mountain Standard Time (UTC - 7 hours)
MDT = Mountain Daylight Time (UTC - 6 hours)
CST = Central Standard Time (UTC - 6 hours)
CDT = Central Daylight Time (UTC - 5 hours)
EST = Eastern Standard Time (UTC - 5 hours)
EDT = Eastern Daylight Time (UTC - 4 hours)
AST = Atlantic Standard Time (UTC - 4 hours)
ALST = Alaskan Standard Time (UTC - 9 hours)
HST = Hawaiian Standard Time (UTC - 10 hours)

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