



Federal Aviation Administration

Memorandum

Date: June 14, 2023

To: Clark Desing, Director, Western Service Center

From: [REDACTED]
Michael A. Galvan, Acting Manager, Oakland Air Route Traffic
Control Center

Subject: **INFORMATION:** Certification Statement
Aircraft Accident, N153QS
Half Moon Bay, CA, May 20, 2023

I certify that aircraft accident package, 23-003-ZOA, has been
reviewed and is complete.

Copy

Aircraft Accident Package

23-003-ZOA

N153QS, DHC6

May 20, 2023, 2054 UTC

Destroy: May 20, 2028

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 June 26, 2023		REPORT NO. 23-003-ZOA	
REPORT OF AIRCRAFT ACCIDENT				NAME OF REPORTING FACILITY Oakland ARTCC (ZOA)			
1. AIRCRAFT IDENTIFICATION AND TYPE N153QS, DHC6		2. DATE/TIME OF ACCIDENT (UTC) May 20, 2023; 2054 UTC		3. LOCATION OF ACCIDENT: CITY, STATE (MAND) Half Moon Bay, CA			
4. NATURE OF ACCIDENT Santa Rosa, CA to Honolulu, HI flight. Pilot declared an emergency due to fuel transfer problem and elected to attempt a return to KSTS. Aircraft went down in Pacific Ocean.				LATITUDE/LONGITUDE (OPTL) Unknown			
				5. TYPE OF FLIGHT IFR Flight Plan			
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	Unknown	Pilot	Unknown, Unk			X	
7. PASSENGER DATA		NUMBER ABOARD AIRCRAFT	1	NUMBER UNINJURED	0	NUMBER INJURED	0
				NUMBER FATALITIES	1		
8. AIRCRAFT DAMAGE Substantial.				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 HALF MOON BAY SPECI - 2035 UTC: automated, wind two nine zero at six, visibility eight statute miles, ceiling one thousand three hundred broken, two thousand overcast, temperature one four, dew point one one, altimeter three zero one seven						
	FIRST REPORT SUBSEQUENT TO ACCIDENT HALF MOON BAY METAR - 2055 UTC: automated, wind three zero zero at five, visibility three-quarter statute miles, mist, ceiling seven hundred broken, one thousand three hundred overcast, temperature one three, dew point one two, altimeter three zero one seven						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION			CHECK IF EYEWITNESS	
	Spencer G Myers *(MY)	ZOA ARTCC	OC4 O				
	Kevin Hlavacek (KH)	ZOA ARTCC	R35 R				
	Ramel Guzman (RS)	ZOA ARTCC	R35 N-A				
	Russell S Johnson (BD)	ZOA ARTCC	SUP OS				
	Scott J Lavold (LA)	ZOA ARTCC	R41 R				
	Tyson Shakespear (NV)	ZOA ARTCC	OC4 O				
	Christopher P Cefalo (CC)	ZOA ARTCC	OC4 O				
	*OPERATING INITIALS						
13. SIGNATURE OF FACILITY MANAGER Michael A, Galvan				MICHAEL A GALVAN Digitally signed by MICHAEL A GALVAN Date: 2023.06.26 10:24:11 -07'00'			

FAA Form 8020-6 (12-18) Supersedes Previous Edition

Electronic Version

23-003-ZOA

N153QS



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

June 22, 2023

REPORT NO.

23-003-ZOA

NAME OF REPORTING FACILITY

Santa Rosa/Sonoma ATCT (STS)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

May 20, 2023

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1505 N153QS requested Instrument Flight Rules (IFR) clearance to Honolulu Airport (PHNL) on Ground Control frequency 121.9. Clearance issued. After pilot readback, the controller corrected pilot readback errors.

1511 N153QS requested taxi instructions from parking at the Sonoma Jet Center. Taxi clearance: Runway 32 via taxiway zulu and taxiway alpha.

1512 N153QS reported confirmation of Automatic Terminal Information Service (ATIS) Whiskey.

1518 N153QS reported ready for departure on frequency 121.9. The Ground controller instructed the pilot to change to STS Tower frequency 118.5. Instrument Flight Rule (IFR) Release coordinated with Oakland ARTCC (ZOA) Sector 40.

1519 Local Control issued Take-off clearance.

1522 Local Control issued a Pilot Report (PIREP) for cloud tops. Local Control instructed N153QS to contact Oakland Center.

No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

June 22, 2023

REPORT NO.

23-003-ZOA

NAME OF REPORTING FACILITY

Oakland ARTCC (ZOA)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

May 20, 2023

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1522 N153QS contacts Oakland Air Route Traffic Control Center (ZOA) Sector 41 (R41). R41 advises radar contact two miles north of Charles M Schulz - Sonoma County Airport (KSTS) and issues the KSTS altimeter 30.09. N153QS reads back 30.05, R41 corrects them and issues a climb to 100 Mean Sea Level (MSL). N153QS does not respond.

1523 R41 calls N153QS again and issues a climb to 100 MSL. N153QS responds up to 100 MSL.

1525 R41 begins a Position Relief Briefing (PRB) and advises incoming controller that the aircraft is a slow climber, still on a heading, and that the aircraft is going to Hawaii (PHNL) at 100 MSL.

1528 R41 instructs N153QS leaving 045 MSL cleared direct to BEBOP. N153QS reads back the correct clearance.

1533 R41 instructs N153QS to contact ZOA Sector 35 (R35) on 134.15. Readback correct.

1534 N153QS checks in with R35, advising they are climbing through 066 for 100 MSL.

1542 R35 instructs N153QS to contact Aeronautical Radio Incorporated (ARINC) 8844 or 5574 to establish communications, then return to this frequency. N153QS does not acknowledge.

1543 R35 calls N153QS again. N153QS reads back ARINC on 8843 or 5574, asks if that is correct. R35 confirms the read back is correct, and once established return to his frequency by 1550Z. N153QS acknowledges.

1550 R35 calls N153QS to confirm they have established communications with ARINC through High Frequency (HF). N153QS responds no joy so far, trying on the secondary frequency. R35 acknowledges and instructs to advise when established. N153QS responds that they will call back in a moment.

1551 R35 broadcast that N153QS can try ARINC on 131.95, if those aren't the HFs in use, they will be able to give N153QS their assignment. N153QS reads back the correct frequency.

1553 N153QS states they have established contact with ARINC on an HF frequency. R35 instructs N153QS to report BAART, then make hourly



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NAME OF REPORTING FACILITY

Oakland ARTCC (ZOA)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

position reports at the top of every hour in addition to their normal reporting points over the ocean.

1555 R35 broadcasts to N153QS in the event of radio communication failure, radar services will be terminated at BEBOP. N153QS acknowledges.

1556 ZOA Sector 4 (OC4) asks R35 if they have N153QS and are they talking to him. R35 responds affirmative and that he will be sending hourly reports, R35 advises no coordination as N153QS is still too far out. OC4 states that they have a request from HF for the altitude block of 100 to 140 MSL. R35 acknowledges.

1557 R35 calls N153QS and states they have a report from HF that they have requested the block altitude of 100 to 140 MSL, then clears the aircraft to maintain that block. N153QS does not respond.

1558 R35 clears N153QS into the block of 100 to 140 MSL again. N153QS does not respond. R35 calls ARINC with a clearance for N153QS. R35 states N153QS cleared to maintain the block 100 to 140 MSL and requests ARINC calls the sector after N153QS reads back the clearance.

1601 R35 broadcasts for N153QS. N153QS says go ahead. R35 clears them into the block of 100 to 140 MSL. N153QS reads back the correct clearance. OC4 calls R35 with the ARINC message confirming N153QS received the altitude clearance.

1619 R35 calls OC4 with a transfer and Approval Request (APREQ) for N153QS in the block of 100 to 140 MSL. OC4 approves.

1620 R35 begins a PRB advising inbound controller aircraft has been told radar services are terminated at BEBOP and the aircraft will be reporting hourly and has already been established.

1623 R35 states N153QS radar services are terminated, switch to enroute communications. N153QS acknowledges that radar services are terminated and they will communicate with ARINC.

1814 N153QS relays to OC4 they have a fuel transfer problem and was thinking of turning back to shoreline.

1820 OC4 asks N153QS if they are declaring an emergency. N153QS responds in the affirmative.

1823 OC4 requests N153QS when able please forward fuel remaining, souls on board, and if they will require assistance on the ground. N153QS also request if OC4 can find a closer airfield.



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
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REPORT DATE

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NAME OF REPORTING FACILITY

Oakland ARTCC (ZOA)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

1834 OC4 requests N153QS's current position.

1839 N153QS notifies OC4 currently through F130 TO F180, 10 hours of fuel on board but can only access 2 hours of fuel, 2 souls on board, at this time negative assistance on the ground, currently 130NM from BAART and bearing 250.

1842 OC4 asks R35 if N153QS passed back to them, R35 says negative. OC4 advises they are an emergency turn around due to a fuel transfer problem. OC4 will send flight plan to R35, the aircraft is direct BAART direct KSTS. The aircraft is in a slow climb from 130 MSL to flight level 180 (FL180) about 100 miles from BAART. R35 acknowledges.

1851 R35 advises OC4 they have the flight plan for N153QS and verifies they are an emergency. OC4 verifies the aircraft is an emergency.

1902 R35 begins a PRB. The outgoing controller advises that N153QS is an emergency turn around with a fuel transfer problem. OC4 has given all the necessary information to the Ocean Operations Supervisor (SUP OS) and the aircraft has ten hours of fuel on board, but they can only use two. The aircraft is estimating the airport at 2044Z. N153QS is not on frequency yet.

1922 N153QS is requesting a phone call with 707-480-5384 reference fuel emergency.

1927 R35 broadcasts for N153QS. No response.

1928 R35 calls ARINC to advise N153QS that a message was received, then tells ARINC they will call back.

1929 R35 calls ARINC and advises N153QS they received a message from their dispatch saying Monterey airport (KMRY) as a new destination due to their fuel restriction. ARINC reads back the message correctly.

1931 R35 calls OC4 stating N153QS is still too low for them to establish communication and N153QS's dispatch recommends KMRY as a closer alternative airport. R35 advises they went through ARINC with the message, so OC4 will likely receive it. R35 asks if N153QS does decide to go to KMRY, will OC4 issue the clearance via HF. OC4 agrees. R35 states direct the airport is approved. OC4 acknowledges.

1932 A discussion between N153QS and OC4 about a possible new destination to Monterey.

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE June 22, 2023	REPORT NO. 23-003-ZOA
	NAME OF REPORTING FACILITY Oakland ARTCC (ZOA)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

1935 R35 broadcasts for N153QS, receives no response. R35 asks DAL397 if they can relay to a low altitude aircraft east of BAART. DAL397 agrees.

1938 R35 calls DAL397 again and asks if they can check if N153QS is up on this frequency, or if he can be raised on Guard frequency. DAL397 complies and can then be heard broadcasting on the frequency 134.15 and also on Guard 121.5. DAL397 advises R35 they do not hear N153QS.

1956 R35 broadcasts for N153QS, receives no response. R35 broadcasts on Guard frequency if N153QS hears them, to contact Oakland Center on 134.15, receives no response.

1958 N111QS contacts R35 and broadcasts for N153QS on frequency. N111QS advises R35 no response received.

2008 R35 broadcasts for N153QS on the sector frequency and Guard, receives no response.

2021 R41 calls R35 and asks if they are talking to N153QS. R35 responds no, they think he is going into the water right now, he's an emergency and they are not talking to him.

2023 N153QS advises OC4 that both engines are shut down at this time.

2024 N153QS updates their current position to 37205584N 12430W.

2027 N153QS calls R35 advising it doesn't look like they will make land, they have a fuel emergency, have about 15 minutes of fuel and are ninety miles out. R35 acknowledges, advises N153QS they can see them on radar, they are watching them and coordinating with their dispatch and Coast Guard. N153QS acknowledges.

2029 N153QS relays that they have yellow life rafts on board and may have one engine still operational.

2030 R35 asks N153QS for the color of the aircraft and life raft. N153QS states the aircraft is red and white, the outer case on the raft is yellow, he assumes the inside is too. R35 acknowledges.

2043 N153QS states they have five to six minutes before their tank is dry. R35 acknowledges and says they will have someone out to get them as soon as they can. N153QS acknowledges.

2044 SWA1600 checks in, R35 turns them ten degrees right and climbs to flight level two zero zero (FL200). R35 advises SWA1600 they are going to be kept on that vector and altitude a while for an emergency aircraft



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REPORT NO.

23-003-ZOA

NAME OF REPORTING FACILITY

Oakland ARTCC (ZOA)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

about to go in the water, SWA1600 will pass pretty close, and R35 would like to know if they can see the aircraft and if the persons made it out. SWA1600 advises they see clouds beneath them, but they will do what they can to help. R35 gives the position of the Twin Otter aircraft.

2047 R35 advises N153QS that the Coast Guard is requesting they turn on any emergency locators, any markers, any locator beacons now. N153QS will comply.

2049 R35 advises N153QS to turn on their Emergency Locator Transmitter (ELT). N153QS acknowledges and says they can hear their Emergency Position Indicating Radio Beacon (EPIRB) on 121.5. R35 acknowledges.

2050 R35 gives the position of N153QS to SWA1600. SWA1600 advises there is a low broken layer that is making it difficult to see below them. R35 acknowledges and clears SWA1600 to their next fix. N153QS calls and says they are dead stick now and on top of the cloud deck. R35 acknowledges.

2052 R35 asks N153QS what type of signaling devices they have, flares? N153QS responds he didn't think so, unless some were in the life raft. R35 updates N153QS that the Coast Guard has their last known position and are sending a helicopter soon, to hang in there, we'll come get you. N153QS thanks him.

2057 SWA1600 advises that they started picking up an ELT beginning around 2055. R35 acknowledges.

2105 R35 conducts a PRB. The outgoing controller references last known coordinates for N153QS at 2055Z, an emergency aircraft that went down, the ELT was activated and to expect a Coast Guard helicopter for search and rescue. Outgoing controller says as far as he knows all coordination has been accomplished. Incoming controller acknowledges.

2116 ALNOT issued for N153QS.

2122 C2703 advises they have about seventy more miles on their present heading then will begin an orbit for two people in the water from a downed aircraft. R35 advises that they have the last known coordinates before the target dropped off. C2703 is ready to copy. R35 reads the last known coordinates for N153QS. C2703 says they will turn for those coordinates.

2124 C2703 asks R35 for the time of the last known position. R35 responds 2055Z. C2703 acknowledges.



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

June 22, 2023

REPORT NO.

23-003-ZOA

NAME OF REPORTING FACILITY

Oakland ARTCC (ZOA)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

2125 R35 advises a heading of 165 for the coordinates. C2703 acknowledges and asks to verify the last known coordinates. R35 confirms.

2129 R35 clears C2703 to maintain the block altitude of 060 to 170 MSL. C2703 reads back the correct clearance.

2152 C2703 advises R35 they are descending to 010 MSL. R35 advises below 060 is uncontrolled airspace. C2703 acknowledges this and states they are going due regard. R35 acknowledges.

2159 ALNOT for N153QS cancelled. Aircraft located.

2212 R35 conducts a PRB. The outgoing controller provides the last known position of the aircraft that went down and that C2703 is now due regard.

2227 C2703 calls and advises they will be holding at 120 MSL at their present position for the next three hours. R35 acknowledges, clears the aircraft to hold at 120 MSL and advise if they need a different altitude. C2703 reads back the altitude and they will advise.

Block 12. ATO Personnel Involved, Continued.
Jeremy L Hapenny (JJ), ZOA ARTCC, OC4 0

No More Follows

SECTION 3.
Review of Services Memoranda



Federal Aviation Administration

Memorandum

Date: May 24, 2023

To: Oakland Air Route Traffic Control Center Aircraft Accident File 23-003-ZOA

From: David Sheber, Manager, [REDACTED]
Santa Rosa/Sonoma Airport Traffic Control Tower, STS ATCT

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N153QS
Half Moon Bay, CA, May 20, 2023

STS ATCT conducted a review of services concerning N153QS and was determined to have routine services. As a supporting 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 of the original are on file at this facility.

Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
FAA Form 8020-6-1
Flight Progress Strip(s)
DALR Incident Export Files



Federal Aviation Administration

Memorandum

Date: June 13, 2023

To: Oakland Air Route Traffic Control Center Aircraft Accident File 23-003-ZOA

From: Michael A. Galvan, Acting Manager, [REDACTED]
Oakland Air Route Traffic Control Center, ZOA ARTCC

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N153QS
Half Moon Bay, CA, May 20, 2023

ZOA ARTCC conducted a review of services concerning N153QS and was determined to have pertinent services. As the holding facility with pertinent 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 of the original are on file at this facility.

Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
ERAM Local Adaptation File
FAA Form 7230-10
FAA Form 7230-4
FAA Form 8020-3
FAA Form 8020-6
FAA Form 8020-6-1
FAA Form 8020-9
Facility Layout Chart(s)
Mandatory Occurrence Report (MOR)
Personnel Log(s)
Weather Data
ERAM SAR Files
ERAM Radar Files
MEARTS Radar Data
Falcon Bookmark
Email(s)
DALR Incident Export Files
UTC Time Conversion Chart
Pre-Duty Weather Briefing Product(s)

23-003-ZOA
N153QS

Review Of Services Memo Continued

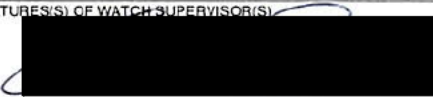
Aircraft ATOP Messages
Input/Output Log
ERAM Adaptation File
Alert Notice

SECTION 4.

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

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 2
				DATE May 20, 2023
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY [REDACTED]
Fremont, CA	ZOA	ARTCC	OMIC	AIR TRAFFIC MANAGER Jeff B. Hubert
UTC TIME	REMARKS			
0700	D. CARMAN ON DUTY. WCLC. SECON LEVEL ELEVATED. CFPL: BAM PRI/SEC RADAR OTS. CFPL: LLC VOR OTS SINCE 8/6/22. CFPL: IA 129 (FAT SCRAMBLE) LINE OTS. CFPL: KSTS RY 32 RTHL OTS. CFPL: FIM VORTAC OTS. CFPL: E55 AIRPORT CLOSED UFN. CFPL: KRDD RY 34 (MALSR) RUNWAY LIGHTS OTS. CFPL: BIH RY 17 ILS OTS. CFPL: SDO DME RTS, TAC/AZ REMAINS OTS. CFPL: IA 174 FAT. CFPL: AVE DME OTS. CFPL: TRK VASI OTS (DATE OF OTS UNK). CFPL: STS RY 14 PAPI OTS. CFPL: CH. 75 (S42 VHF GUARD) OTS. CFPL: FAT RY 29R ILS OTS FOR CAT II/CAT III (STILL IN SERVICE FOR CAT I). -- DT			
0725	CFAD/CRAD CERTIFICATION COMPLETE. -- DT			
0800	ADSB CERTIFICATION COMPLETED.. -- DT			
0816	CPDLC CERTIFICATION COMPLETE. -- DT			
0835	OPSNET REPORTING INCOMPLETE. OCEANIC COUNT DID NOT PRINT. TECHOPS AND TMO NOTIFIED. -- DT			
1245	L. SCHULTZE ON DUTY, ABOVE NOTED. -- LS			
1253	A. BOLWELL ON DUTY, ABOVE NOTED. -- AJ			
1300	PIREP CHECK COMPLETE. No reports. -- AJ			
1430	IA 174 FAT RTS. -- AJ			
1442	DAY-SHIFT BRIEFINGS COMPLETED IN ALL AREAS. -- AJ			
1537	ZOA-M-2023/05/20-0003 -- UAL2149 -- AJ			
1605	Redding Tower reported N9433T a VFR C210 did not make the airport and instead went down in a field near the airport. The pilot is the only reported person on board. Minor injury reported. Substantial damage to aircraft reported. Emergency personnel had been dispatched. No impact to airport operations. The aircraft had been receiving VFR flight following to WLW then reported a loss in fuel pressure and requested to divert to RDD. The pilot never declared an emergency with ZOA. ROC notified at 1603z. ERAM playback completed through ZOA SOC. -- AJ <i>AIRCRAFT ACCIDENT</i>			
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) [REDACTED SIGNATURE]		

FAA Form 7230-4

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 2 of 2
				DATE May 20, 2023
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY
Fremont, CA	ZOA	ARTCC	OMIC	Jeff B. Hubert MICHAEL GALKIN
UTC TIME	REMARKS			
1730	PIREP CHECK COMPLETE. No reports. -- AJ			
M 1846	ZOA-M-2023/05/20-0004 -- N153QS -- AJ			
2116	ALNOT issued for N153QS. Aircraft exhausted fuel and reportedly put down on the Pacific Ocean approximately 40 NM off California coast. AFRCC and Coast Guard responded. -- AJ AIRCRAFT ACCIDENT			
E 2159	ALNOT for N153QS canceled. Aircraft located. -- AJ			
E 2200	CH. 75 (S42 VHF GUARD) RTS. -- AJ			
2233	K. SWASDIBUTRA ON DUTY, ABOVE NOTED. -- KB			
M 2319	ZOA-M-2023/05/20-0005 -- SWA396 -- KB			
E 2330	CH. 75 (S42 VHF GUARD) OTS -- KB			
0043	ATOPS ONLINE CERTIFICATION COMPLETE. -- KB			
M 0133	ZOA-M-2023/05/20-0007 -- SWA1197 -- KB			
0141	PIREP CHECK COMPLETE. 1 TOPS REPORT AT FL400 -- KB			
M 0453	ZOA-M-2023/05/20-0008 -- DAL1453/SWA1352 -- KB			
0500	L. SCHULTZE ON DUTY, ABOVE NOTED. -- LS			
0659	C.O.B. -- LS			
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)

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AWP		ZOA		NORTH			MONTH: MAY	DAY: 20	YEAR: 2023	
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES			
HEANEY, THOMAS (TH) 05:30 - 13:30	R 51	05:30 13:30	13:30 15:30	10+00			00+14	06+29				
SCHWARTZ, MICHAEL (MM) 05:30 - 13:30	R	05:30	13:30	08+00			00+59	04+32				
SCHULTZE, LESLIE (LS) 06:00 - 14:00	9 R	05:45 06:00	06:00 14:00	08+15			01+08	06+55				
MAES, KEVIN (ZG) 06:00 - 14:00	R	06:00	13:15	07+15	00+45	Leave	00+29	03+30				
FANNON, DOMINIC (DM) 06:30 - 14:30	R	06:30	14:30	08+00			03+53	02+05				
BOURLAND, TREVOR (ZT) 06:34 - 14:34	R	06:34	14:34	08+00			01+03	05+05				
RYTIKOFF, PAVEL (PV) 06:41 - 14:41	R	06:41	14:41	08+00			00+00	05+27				
YUEN, BENJAMIN (BY) 06:52 - 14:52	R	06:52	14:52	08+00			03+37	03+07				
VAZQUEZ, DANIEL (DV) 06:54 - 14:54	R	06:54	14:54	08+00			00+58	05+10				
ZHU, XU (XU) 07:00 - 15:00	R	07:00	15:00	08+00			00+19	04+32				
VRATIL, BENJAMIN (BV) 07:19 - 15:19	R	07:19	15:19	08+00			00+26	05+26				
LAVOLD, SCOTT (LA) 07:30 - 15:30	R 51	07:30 15:30	15:30 15:40	08+10			00+13	05+13				
JOHNSON, AUSTIN (AL) 12:33 - 20:33	R	12:33	14:48	02+15	05+45	Leave	02+12	00+00				
DERNOGA, JESSICA (FX) 12:53 - 20:53	R	12:53	20:53	08+00			00+14	04+36				
IVES, ERIC (EI) 12:56 - 20:56	R	12:56	20:56	08+00			00+32	04+50				
CYPERT, JON (DJ) 13:00 - 21:00	R	13:00	21:00	08+00			00+21	04+54				
INDALECIO JR., WILLIAM (ZF) 14:30 - 22:30	9 R	13:30 14:30	14:30 22:30	09+00			00+33	05+54				
ATWAL, COURTNEY (CQ) 13:31 - 21:31	R	13:31	21:31	08+00			00+00	06+51				
SUPERVISORY CERTIFICATE	NAME		CODE	TIME ON	TIME OFF	INTLS	NAME		CODE	TIME ON	TIME OFF	INTLS
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)												

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AWP		ZOA		NORTH			MONTH: MAY	DAY: 20	YEAR: 2023	
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES			
MIGGO, MAX (MA) 14:04 - 22:04	R	14:04	22:04	08+00			00+44	04+03				
MULLINS, NATHANIEL (ND) 14:14 - 22:14	R	14:14	22:14	08+00			00+09	04+54				
FLORENCE, JACOB (FJ) 14:29 - 22:29	R	14:29	22:29	08+00			00+25	04+58				
NELSON, JONATHAN (RI) 14:30 - 22:30	R	14:30	22:30	08+00			00+09	04+12				
JACKSON, PARKER (PE) 22:00 - 00:00	9	21:45	22:00	02+15			00+00	02+06				
	R	22:00	00:00									
DUONG, ANDREW (AD) 22:00 - 00:00	R	22:00	00:00	02+00			00+00	00+00				
SCHULTZE, LESLIE (LS) 22:00 - 00:00	R	22:00	00:00	02+00			00+00	02+00				
BAKER, RICHARD (RB) 06:30 - 14:30					08+00	Leave	00+00	00+00				
LARA, ALEJANDRO (LX) 06:30 - 14:30					08+00	Leave	00+00	00+00				
STOCKS, TYLER (PK) 07:00 - 15:00					08+00	Leave	00+00	00+00				
NAVARRO, NICHOLAS (NA) 07:00 - 15:00					08+00	Leave	00+00	00+00				
ESPINOZA, ANTHONY (ES) 07:00 - 15:00					08+00	Leave	00+00	00+00				
LONG, TIMOTHY (TL) 13:00 - 21:00					08+00	Leave	00+00	00+00				
BULLINGER, JUSTIN (BU) RDO	50	05:45	12:10	06+25			00+10	03+35				
SHAW, ADRIAN (TN) RDO	50	06:30	14:30	08+00			00+45	03+19				
VARGAS, ANTHONY (VS) NAS												
BOHNSACK, JEFFREY (JY) RDO												
CATTERLIN, CLIFFORD (BR) RDO												
SUPERVISORY CERTIFICATE	NAME		CODE	TIME ON	TIME OFF	INTLS	NAME		CODE	TIME ON	TIME OFF	INTLS
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)												

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		AWP		ZOA		NORTH			MONTH: MAY	DAY: 20	YEAR: 2023
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
CAUICH, MICHAEL (XX) RDO											
EUBANKS, TOM (TE) RDO											
HANSON, MORGAN (MO) RDO											
KUNZ, ERIC (EK) RDO											
LI, SI MING (JX) RDO											
MCAHON, PETER (PY) RDO											
RONEY-STANIEC, AMBER (RO) RDO											
SAMUEL, MATTHEW (SB) RDO											
SCHWARTZ, ANDREW (AN) RDO											
STEIN, HEATHER (HS) RDO											
TAYLOR, ROBIN (TY) RDO											
THOMAS, DENA (MT) RDO											
WALKER, BRENNEN (BW) RDO											
YOCCO, VINCENT (YC) RDO											
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)											

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AWP		ZOA		PACIFIC SOUTH			MONTH: MAY	DAY: 20	YEAR: 2023	
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES			
PLASCENCIA, RIGOBERTO (RZ) 04:30 - 12:30	R	04:30	12:30	08+00			00+58	04+20				
SCHEER, ERIK (ZJ) 04:30 - 12:30	R	04:30	12:30	08+00			00+15	04+13				
CORONA, RICHARD (CO) 05:30 - 13:30	9	05:25	05:30	08+05			00+02	05+44				
	R	05:30	13:30									
LIND, ZACHARY (ZL) 05:30 - 13:30	R	05:30	13:30	08+00			00+29	05+29				
SMITH, ANTHONY (TS) 05:35 - 13:35	R	05:35	13:35	08+00			01+41	02+38				
GUZMAN, RAMEL (RS) 06:30 - 14:30	R	06:30	14:30	09+00			00+37	05+54				
	61	14:30	15:30									
LIND, ASHLEY (AK) 06:30 - 14:30	R	06:30	14:30	08+00			07+07	00+00				
MARTIN-GARCIA, JUAN (GA) 06:30 - 14:30	R	06:30	14:30	08+00			00+02	05+57				
MAYORGA, JOSHUA (BX) 06:30 - 14:30	R	06:30	14:30	08+00			00+51	03+30				
VAUGHAN, CHRISTOPHER (CV) 06:30 - 14:30	R	06:30	14:30	08+00			00+48	03+14				
WANNOMAE, DARYL (TW) 06:30 - 14:30	R	06:30	14:30	08+00			03+17	02+49				
MOORE, CHRISTIAN (CP) 06:45 - 14:45	R	06:45	14:45	08+00			00+03	04+52				
HLAVACEK, KEVIN (KH) 07:00 - 15:00	R	07:00	15:00	08+00			01+52	03+50				
PIGA, ROLDAN (RP) 13:05 - 21:05	9	11:05	13:05	10+00			01+11	03+56				
	R	13:05	21:05									
NGUYEN, DOMINIC (DN) 12:30 - 20:30	R	12:30	20:30	08+00			00+32	04+19				
PERRIELLO, SEAN (SK) 12:55 - 20:55	R	12:55	20:55	08+00			08+00	00+00				
GAW, DYLAN (GW) 13:15 - 21:15	9	13:00	13:15	08+15			01+00	03+37				
	R	13:15	21:15									
O'DONNELL, MICHAEL (OD) 14:15 - 22:15	9	13:59	14:15	08+16			02+43	02+07				
	R	14:15	22:15									
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS		
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)												

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AWP		ZOA		PACIFIC SOUTH			MONTH: MAY	DAY: 20	YEAR: 2023	
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES			
TILTON, ANDREW (IC) 14:15 - 22:15	9 R	14:10 14:15	14:15 22:15	08+05			00+06	04+58				
MCCUEAN, MICHAEL (MC) 14:15 - 22:15	R	14:15	22:15	08+00			00+07	03+09				
SCHEER, ERIK (ZJ) 22:00 - 00:00	9 R	21:25 22:00	22:00 00:00	02+35			00+00	01+29				
CORONA, RICHARD (CO) 22:00 - 00:00	9 R	21:30 22:00	22:00 00:00	02+30			00+00	02+28				
SMITH, ANTHONY (TS) 22:00 - 00:00	9 R	21:45 22:00	22:00 00:00	02+15			01+02	00+00				
PLASCENCIA, RIGOBERTO (RZ) 22:00 - 00:00	9 R	21:48 22:00	22:00 00:00	02+12			00+00	02+08				
BAUGHMAN JR, GARRY (GB) 06:00 - 14:00					08+00	Leave	00+00	00+00				
BROOKS, JACK (XB) 07:00 - 15:00					08+00	Leave	00+00	00+00				
MOORE, ANDREW (GZ) 12:30 - 20:30					08+00	Leave	00+00	00+00				
CRUISE, CARTER (CG) 13:00 - 21:00					08+00	Leave	00+00	00+00				
MARKS, THOMAS (TM) 14:15 - 22:15					08+00	Leave	00+00	00+00				
MCMAHON, STEVEN (MS) RDO	57	12:10	20:10	08+00			01+49	03+21				
JOW, TIMOTHY (JO) RDO	50	14:15	22:15	08+00			00+17	04+36				
HSIAO, HSIANG (SJ) NAS												
LITWIN, JEFFREY (JF) NAS												
PEREA, DANIEL (PD) NAS												
ANDERSON, MICHAEL (OU) RDO												
BREUHAN, BLAKE (BB) RDO												
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS		
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)												

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		AWP		ZOA		PACIFIC SOUTH			MONTH: MAY	DAY: 20	YEAR: 2023
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
CARRILLO, BRIAN (BC) RDO											
CASAS, LORENZO (LC) RDO											
DUFTON, GREGORY (GD) RDO											
HILL, AUSTIN (AV) RDO											
KALAMA, BOBBI-LIN (BA) RDO											
RAFFERTY, JASON (JR) RDO											
RICHARDS, SEAN (SR) RDO											
SCHWARTZ, BRYAN (SZ) RDO											
SCULLY, WILLIAM (RF) RDO											
SILVA, KEVIN (KS) RDO											
SIU, CATHERINE (SU) RDO											
TORRES, STEPHANIE (SE) RDO											
VO, SCOTT (SV) RDO											
WILCOX, DAVID (DX) RDO											
WILDER, ERIN (BE) RDO											
WILLIAMS, CHESTER (UB) RDO											
WONG, SONJA (OG) RDO											
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	

THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT
(Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AWP		ZOA		PACIFIC NORTH			MONTH: MAY	DAY: 20	YEAR: 2023	
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES			
PHILLIPS, MICHAEL (XM) 04:32 - 12:32	R	04:32	12:32	08+00			01+20	04+49				
FUNDERBURKE, DUSTIN (DF) 04:34 - 12:34	R	04:34	12:34	08+00			01+19	04+55				
MEINHOLD, MICHAEL (PM) 04:42 - 12:42	R	04:42	12:42	08+00			00+51	05+03				
MYERS, SPENCER (MY) 05:30 - 13:30	R	05:30	13:30	08+00			00+13	04+43				
HAMMEL, PETER (PX) 06:00 - 14:00	R	06:00	14:00	08+00			01+17	05+08				
WILSON, JAMES (TO) 06:30 - 14:30	R	06:30	14:30	08+00			01+38	02+31				
FELICIANO, JESUS (JS) 06:45 - 14:45	R	06:45	14:45	08+00			00+19	05+09				
HARRIS, DUSTIN (HD) 06:55 - 14:55	R	06:55	14:55	10+00			10+00	00+00				
	9	14:55	16:55									
MOQUIN, MATHEW (MQ) 07:12 - 15:12	R	07:12	15:12	08+00			01+59	03+51				
VILLANUEVA, MARK (MV) 12:00 - 20:00	9	10:27	12:00	09+33			00+06	06+29				
	R	12:00	20:00									
SHAKESPEARE, TYSON (NV) 12:00 - 20:00	9	11:00	12:00	09+00			00+24	04+57				
	R	12:00	20:00									
STILLWELL, GRANT (GT) 12:30 - 20:30	R	12:30	20:30	08+00			00+21	05+43				
CEFALO, CHRISTOPHER (CC) 12:54 - 20:54	R	12:54	20:54	08+00			00+55	05+13				
HAPENNEY, JEREMY (JJ) 12:57 - 20:57	R	12:57	20:57	08+00			00+00	05+54				
STRAWN, DANIEL (DR) 14:30 - 22:30	9	13:38	14:30	08+52			00+07	06+02				
	R	14:30	22:30									
HAINES, JORDAN (JC) 14:30 - 22:30	9	14:15	14:30	08+15			01+24	05+12				
	R	14:30	22:30									
BOBADILLA, JAYMAR (JD) 14:30 - 22:30	R	14:30	22:30	08+00			00+00	00+00				
MYERS, SPENCER (MY) 22:00 - 00:00	9	21:48	22:00	02+12			00+00	02+09				
	R	22:00	00:00									
SUPERVISORY CERTIFICATE	NAME		CODE	TIME ON	TIME OFF	INTLS	NAME		CODE	TIME ON	TIME OFF	INTLS
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)												

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		AWP		ZOA		PACIFIC NORTH			MONTH: MAY	DAY: 20	YEAR: 2023
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
MEINHOLD, MICHAEL (PM) 22:00 - 00:00	9	21:52	22:00	02+08			01+02	00+00			
	R	22:00	00:00								
PHILLIPS, MICHAEL (XM) 22:00 - 00:00	R	22:00	00:00	02+00			00+00	01+02			
HENDRIX II, JOEL (XC) 05:15 - 13:15					08+00	Leave	00+00	00+00			
TOMOVA-SHAKUR, KHALID (JK) 07:00 - 15:00					08+00	Leave	00+00	00+00			
MYSZKA, SPENCER (SM) 14:00 - 22:00					08+00	Leave	00+00	00+00			
STETTER JR., RANDY (RA) NAS	57	22:00	00:00	02+00			00+00	01+45			
HO, CHIEN (HO) RDO	57	05:15	13:15	08+00			00+22	03+29			
GALVAN, MICHAEL (MD) RDO	1	10:00	17:00	07+00			00+00	00+00			
REEL, JASON (JQ) RDO	57	14:15	22:15	08+00			00+46	05+23			
OPPERMAN, JEREMY (OP) NAS											
WHITE JR, DONALD (DW) NAS											
ANDERSON, ABIGAIL (AB) RDO											
BERENA, KRISTIAN (KG) RDO											
CERVANTES JIMENEZ, ANTHONY (AG) RDO											
CUBSTEAD, JOSHUA (JG) RDO											
ELLIS, BRANDON (BF) RDO											
FITZGERALD, MICHAEL (DL) RDO											
GARDNER, NATHAN (NG) RDO											
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	

THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT
(Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AWP		ZOA		PACIFIC NORTH			MONTH: MAY	DAY: 20	YEAR: 2023	
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES			
GRIPPI, JAMES (GX) RDO												
GUTIERREZ, ISAAC (IG) RDO												
HECKER, DONAVAN (HX) RDO												
KING, RYAN (RL) RDO												
KROETEN, TRACY (GN) RDO												
LENHART, JOHN (LJ) RDO												
MCLAUGHLIN, RONALD (RM) RDO												
NORAMBUENA, PABLO (PN) RDO												
PACE, ALEXANDER (XA) RDO												
PHILLIPS, ERIC (PH) RDO												
PRINZI, MATTHEW (MP) RDO												
RYAN, ROBERT (RX) RDO												
SAITO, AZUSA (FC) RDO												
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS		
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)												

SECTION 6.

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

POSITION LOG

[illegible]

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOA	R35	R	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700	SJ	0857	C		
0858	JF	1039	C		
1040	SJ	1132	C		
1133	RZ	1231	C		
1232	RZ	1353	C		
1232	ZL	1353	T		
1354	CV	1420	C		
1421	RZ	1619	C		
1421	ZL	1619	T		
1620	KH	1814	C		
1620	RS	1814	T		
1815	TS	1904	C		
1905	KH	2059	C		
1905	RS	2059	T		
CODE: C - ATCS/ATA S - Supervisor/Staff Spec T - Trainee/Developmental M - Trainee/Developmental Monitoring R - Trainee/Developmental Certification/ Evaluation					

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)
FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	R41	R	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700	AD	0859	C		
0900	PE	1229	C		
1230	MM	1437	C		
1438	LA	1529	C		
1530	XU	1613	C		
1614	BU	1706	C		
1707	LA	1737	C		
1738	BU	1907	C		
1908	TH	1953	C		
1954	LA	2107	C		
2108	XU	2136	C		
2137	MA	2219	C		
2220	ND	2332	C		
2333	ZF	0105	C		

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec
T - Trainee/Developmental
M - Trainee/Developmental Monitoring
R - Trainee/Developmental Certification/
Evaluation

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOA	R41	R	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0106	RI	0156	C		
0157	ZF	0247	C		
0248	RI	0304	C		
0305	ZF	0338	C		
0339	MA	0423	C		
0424	RI	0453	C		
0454	PE	0459	C		
0500	PE	0659	C		

CODE:

C - ATCS/ATA	M - Trainee/Developmental Monitoring
S - Supervisor/Staff Spec	R - Trainee/Developmental Certification/
T - Trainee/Developmental	Evaluation

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)
FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)
FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)
FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)
FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)
FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	CIC	0	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1229		Closed	
0700		1229		Closed	
0700		1229		Closed	
0700		1229		Closed	
1230	TH	1240	C		
1230	TH	1240	C		
1230	TH	1240	C		
1230	TH	1240	C		
1241		1343		Closed	
1241		1343		Closed	
1241		1343		Closed	
1241		1343		Closed	
1344	TH	1432	C		
1344	TH	1432	C		

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec

T - Trainee/Developmental

M - Trainee/Developmental Monitoring

R - Trainee/Developmental Certification/
Evaluation

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOA	CIC	0	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0042	DJ	0054	S		
0042	DJ	0054	S		
0042	DJ	0054	S		
0042	DJ	0054	S		
0055		0659		DSUP	0
0055		0659		DSUP	0
0055		0659		DSUP	0
0055		0659		DSUP	0

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec

T - Trainee/Developmental

M - Trainee/Developmental Monitoring

R - Trainee/Developmental Certification/Evaluation

POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	D29	D	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1404		R29	R
1405	DV	1531	C		
1532		1613		R29	R
1614	BV	1734	C		
1735		1751		R29	R
1752	BV	1916	C		
1917		2034		R29	R
2035	DV	2153	C		
2154		0659		R29	R

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POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	D41	RA	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1622		R41	R
0700		2200		R41	R
1623	DV	1732	T		
1623	MM	1732	C		
1733		1821		R41	R
1822	DV	1935	T		
1822	MM	1935	C		
1936		2005		R41	R
2006	BV	2145	C		
2146		2146		R41	R
2147	FJ	2200	C		
2201	FX	2233	C		
2234		0659		R41	R

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOA	D42	RA	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1433		R42	R
1434	DM	1638	T		
1434	TH	1638	C		
1639	BY	1758	T		
1639	ZT	1758	C		
1759		1832		R42	R
1833	BY	2019	T		
1833	ZT	2019	C		
2020		2215		R42	R
2216	EI	2330	T		
2216	FJ	2330	C		
2331		0000		R42	R
0001	EI	0049	T		
0001	FJ	0049	C		
CODE: C - ATCS/ATA S - Supervisor/Staff Spec T - Trainee/Developmental M - Trainee/Developmental Monitoring R - Trainee/Developmental Certification/ Evaluation					

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	D43	D	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1439		R43	R
1440	BV	1539	C		
1540		2007		R43	R
2008	EI	2139	C		
2140		2202		R43	R
2203	DJ	2230	S		
2231		0145		R43	R
0146	EI	0259	C		
0300		0659		R43	R

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POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	DSUP	0	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1259		Closed	
1300	LS	1711	S		
1712		1750		Closed	
1751	LS	2029	S		
2030		2110		DSUPE2	0
2111	CQ	2144	S		
2111	DJ	2144	T		
2145	CQ	0041	S		
0042		0054		Closed	
0055	CQ	0259	S		
0300	CQ	0337	S		
0300	DJ	0337	T		
0338	CQ	0414	S		
0415	FJ	0503	C		

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(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	R43	R	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1338		R32	R
1339	ZG	1411	C		
1412	ZT	1609	C		
1610	LA	1706	C		
1707	TN	1811	C		
1812	ZG	1916	C		
1917	PV	2111	C		
2112	FX	2129	C		
2130	ND	2144	C		
2145	RI	2258	C		
2259	DJ	0007	S		
0008	ND	0145	C		
0146	MA	0220	C		
0221	ND	0304	C		

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOA	C35	H	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		0659		R35	R
0700		0659		R35	R
0700		0659		R35	R
0700		0659		R35	R
0700		0659		R35	R
0700		0659		R35	R
0700		0659		R35	R
0700		0659		R35	R

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POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	CIC	0	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1553		GSUP	0
0700		1553		GSUP	0
0700		1553		GSUP	0
0700		1553		GSUP	0
1554	ZJ	1601	C		
1554	ZJ	1601	C		
1554	ZJ	1601	C		
1554	ZJ	1601	C		
1602	CV	1733	C		
1602	CV	1733	C		
1602	CV	1733	C		
1602	CV	1733	C		
1734		2052		GSUP	0
1734		2052		GSUP	0

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(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	CIC	0	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
1734		2052		GSUP	0
1734		2052		GSUP	0
2053	RP	2111	C		
2053	RP	2111	C		
2053	RP	2111	C		
2053	RP	2111	C		
2112		0659		GSUP	0
2112		0659		GSUP	0
2112		0659		GSUP	0
2112		0659		GSUP	0

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
Z0A	EQ1		RA	05/20/2023	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700	US	1158	S		
1159		1259		GSUP	0
1300	C0	1329	C		
1330		1407		0C3	D
1408	CP	1444	C		
1445		1731		C14	H
1732	TW	1732	C		
1733		1828		0C3	D
1829	ZJ	1907	C		
1908	CP	1959	C		
2000		0529		0C5	D
0530	ZJ	0659	C		

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOA	OC5	D	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1329		OC6	D
1330	CO	1544	C		
1330	GA	1544	T		
1545	TS	1611	C		
1612	CO	1736	C		
1612	GA	1736	T		
1737	CP	1825	C		
1826	CO	1959	C		
1826	GA	1959	T		
2000	CP	2101	C		
2102	GW	2228	C		
2229	JO	0019	C		
0020	RP	0135	C		
0136	JO	0300	C		
CODE: C - ATCS/ATA S - Supervisor/Staff Spec T - Trainee/Developmental M - Trainee/Developmental Monitoring R - Trainee/Developmental Certification/ Evaluation					

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POSITION LOG

[illegible]

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Z0A	CIC		0	05/20/2023	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1559		Closed	
0700		1559		Closed	
0700		1559		Closed	
0700		1559		Closed	
1600	XM	1730	C		
1600	XM	1730	C		
1600	XM	1730	C		
1600	XM	1730	C		
1731		2208		HSUP	0
1731		2208		HSUP	0
1731		2208		HSUP	0
1731		2208		HSUP	0
2209	NV	2229	C		
2209	NV	2229	C		
CODE: C - ATCS/ATA S - Supervisor/Staff Spec T - Trainee/Developmental M - Trainee/Developmental Monitoring R - Trainee/Developmental Certification/ Evaluation					

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(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	D31	D	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1304		R31	R
1305	H0	1308	C		
1309	PX	1341	C		
1342		2028		R31	R
2029	NV	2104	C		
2105		2228		R31	R
2229	GT	2304	C		
2305		2338		R31	R
2339	GT	0016	C		
0017	MV	0023	C		
0024	GT	0024	C		
0025		0659		R31	R

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
Z0A	D36		RA	05/20/2023	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1304		R36	R
0700		0659		R36	R
0700		1304		R36	R
0700		0659		R36	R
1305	PX	1308	C		
1309		2000		D31	D
2001	CC	2247	C		
2248		2325		R36	R
2248		2325		R36	R
2326	CC	0016	C		
0017		0659		R36	R
0017		0659		R36	R

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	EQ	RA	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		0659		OC4	D
0700		1134		OC1	D
1135	DF	1220	C		
1221		1738		OC4	D
1739	PM	1859	C		
1900		0259		C31	H
0300	AA	0453	S		
0454		0556		OC4	D
0557	XM	0659	C		

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POSITION LOG

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(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	R31	R	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0700		1342		C31	H
1343	MY	1419	C		
1420	JS	1504	C		
1505	PM	1654	C		
1655	T0	1815	C		
1816	MV	1858	C		
1859	JS	2029	C		
2030	T0	2056	C		
2057	DR	2119	C		
2120	JC	2129	C		
2120	JQ	2304	T		
2130	JC	2304	C		
2305	GT	2338	C		
2339	JC	0115	C		
CODE: C - ATCS/ATA S - Supervisor/Staff Spec T - Trainee/Developmental M - Trainee/Developmental Monitoring R - Trainee/Developmental Certification/ Evaluation					

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POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
Z0A	R36	R	05/20/2023		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0701	IG	0859	C		
0900	RA	1057	C		
1058	IG	1149	C		
1150	PM	1341	C		
1342	TO	1424	C		
1425	MQ	1429	C		
1430	MQ	1608	C		
1430	PX	1608	T		
1609	HO	1642	C		
1643	MQ	1849	C		
1643	PX	1849	T		
1850	HO	1935	C		
1936	GT	2130	C		
2131	MV	2335	C		

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R - Trainee/Developmental Certification/
Evaluation

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FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

POSITION LOG

[illegible]

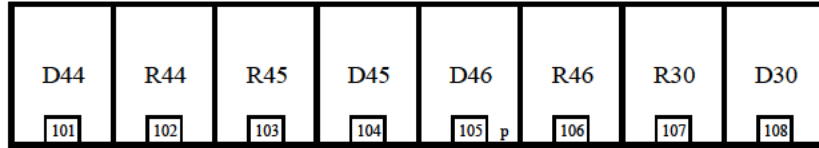
FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

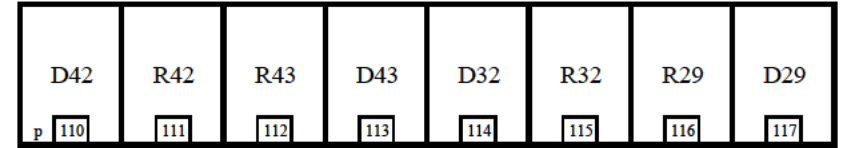
SECTION 7.
Facility Layout Chart(s)

Oakland ARTCC Facility

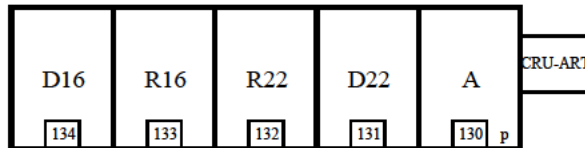
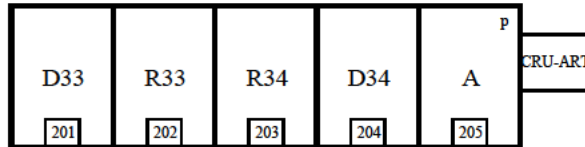
Control Room



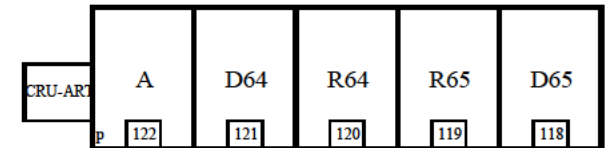
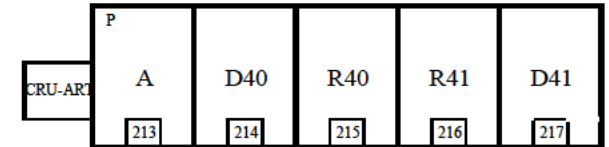
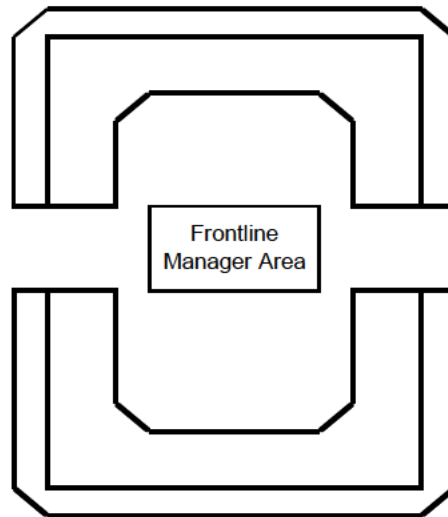
East Area



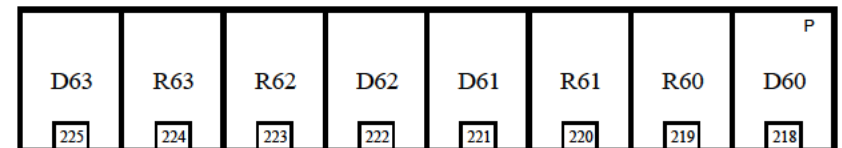
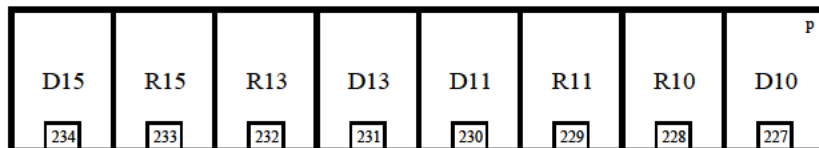
North Area



South Area



Training Annex

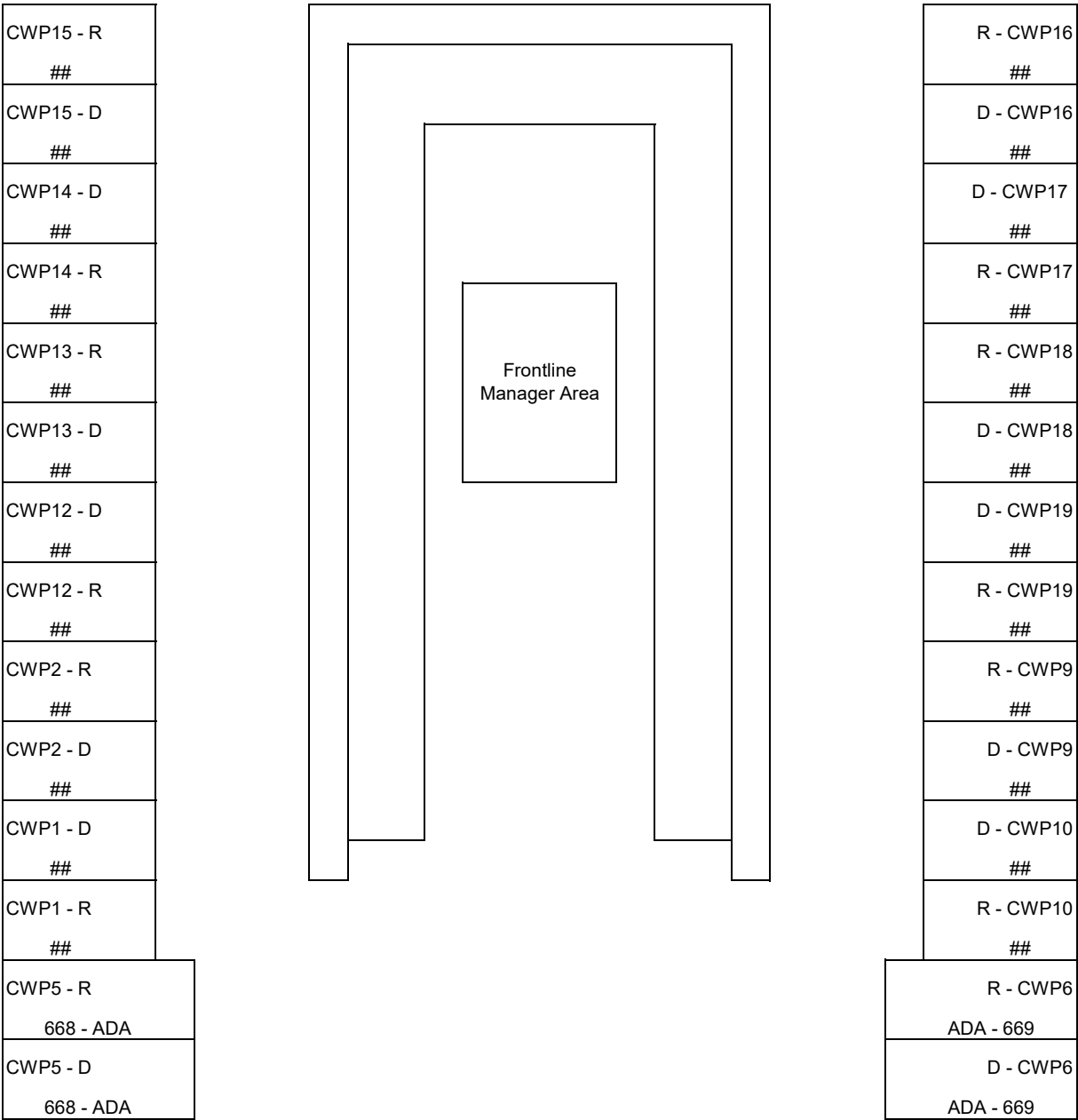


Oakland ARTCC

ATOP Room

A-Side	D-35	R-35	R-14	D-14	CWP3	CWP3	CWP8	CWP8	D-36	R-36	R-31	D-31	A-Side
691	692	693	694	695	D-624	R-624	R-627	D-627	696	697	698	699	700

Radar Sectors



SECTION 8.

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



FACILITY AIRCRAFT ACCIDENT/INCIDENT NOTIFICATION RECORD

Aircraft Identification

N153QS

Date

5/20/2023

Airport

Sonoma County

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

	Phone No.	Time	Initials	
			Caller	Recipient
Airport Emergency Equipment Santa Rosa Fire Medical Dispatch	707-576-1365			
Additional Emergency Equipment				
Search and Rescue CONUS Air Force RCC	800-851-3051 850-283-5348	1846Z	AJ	
Safety Event Network (JSEN)				
Region Operations Center (ROC) if instructed by JSEN	206-231-2099			
Domestic Events Network (DEN) Routine Offsite		1846Z	AJ	
Air Traffic Manager ATCT Cab ATM	707-546-4295 707-546-4294	1850Z	AJ	
Technical Operations SSC Manager - Diego Lew	707-838-8494			
Additional Law Enforcement Sonoma County Sheriff	707-565-2121			
National Weather Service (NWS)	800-242-8194			
Alternate Number for National Weather Service (NWS)	800-242-8895			
Military Authority				
Airport Authority				
Aircraft Operator Sonoma Jet Center	707-523-2800			
Operational Control Center (OCC) Pacific Operations Control Center (POCC)	866-432-2622			
Assistant General Manager Melissa Holmes - Cell Zachary McFall				
General Manager Robin Greisen				
Airport Manager Office Jon Stout, 0800-1700	707-565-7243			
Airport Manager Office 24 hr. Cell				
Airport Manager Asst. Omar Daaboul	707-565-7245			
Aviation Weather ZOA CWSU	510-745-3434			

This form must be updated annually.

Form Updated by (Name, Title, Facility): James M. Grippi, Support Specialist, Oakland ARTCC

Date: 2/16/23

SECTION 9.
Weather Products

Oakland ARTCC

Weather Products 5/20/2023 UTC

SPECI KHAF 202035Z AUTO 29006KT 8SM BKN013 OVC020 14/11 A3017 RMK AO2

METAR KHAF 202055Z AUTO 30005KT 3/4SM BR BKN007 OVC013 13/12 A3017 RMK AO2

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

A redacted signature area consisting of two black rectangular boxes. A red ink signature is visible, starting from the left box and extending into the right box.

Julie A Coleman
QC Support Specialist
Oakland ARTCC

To: Michael Galvin, Acting Air Traffic Manager

From: Neil Haley, ZOA CWSU Meteorologist

Subject: Weather Package SFO 5/20/2023 @ 1353Z

KSFO 201456Z 27010KT 8SM SCT005 BKN007 OVC009 13/11 A3013 RMK AO2 SLP202
T01280106 53012

KSFO 201356Z 27011KT 7SM FEW005 BKN008 OVC010 12/11 A3011 RMK AO2 SLP196
T01220106

KSFO 201256Z 26010KT 6SM BR FEW004 OVC008 12/11 A3010 RMK AO2 SLP192
T01220106

FTUS46 KMTR 201120

TAFSFO

TAF

KSFO 201120Z 2012/2118 28015KT P6SM OVC007

FM202000 29017G27KT P6SM SCT011

FM210200 29008KT P6SM BKN007

FM211600 VRB05KT P6SM SCT010=



1402Z satlt image

AIRMET's for Ocnl IFR and MTN OBSC was also in affect for SFO area.

SECTION 10.

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)