

FAA Alaska District



Presented to: Cross Polar Work Group

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Federal Aviation
Administration



Alaska District Update

- **ATC-Limited Plan**
- **Operational Staffing**
- **Traffic Volume**



ZAN ATC-Limited Plan

- ZAN has had four COVID ATC Zero Events
- ZAN ATC Zero events cause an 8 to 12 hour disruption in flight scheduling and logistical issues.
- ATC-Limited routes developed by ZAN allow up to an estimated 80% of desired routing to be utilized during an event.
- Operations would be moved to the Training Simulator (DYSIM)
- Detailed NOTAMS by routing to explain impact and availability of routing
- Designing plan around known heavily traffic routes during this time period
- ATC services will be unavailable for ETOPS at PACD.



ZAN ATC Limited Plan

- The major DYSIM limitation would be communications:
 - No voice (VHF/UHF) communications will be available
 - CPDLC (Data Comm) primary means of communication
 - HF/SatVoice Secondary means of communication
- Detailed NOTAMS by routing to explain impact and availability of routing
 - Designing plan around known heavily traffic routes during this time period
- Separation Criteria
 - Procedural time based separation will be used
 - FAAO 7110.65 6-1-1 (DME/YTD) would not be used



ZAN ATC-LIMITED NOTAM

The next nine slides is the proposed NOTAM for ATC-Limited events at Anchorage ARTCC.

!FDC X/XXXX ZAN AK..AIRSPACE NOTICE ANCHORAGE, AK. ATC SER AT ANCHORAGE ARTCC ARE RESTRICTED FM XXXX TO XXXX.

AIR TFC SERVICES WILL NOT BE PROVIDED AND IFR ENTRY FM ADJ ATS PROVIDERS AND ARTCC FIRS WILL NOT BE ACCEPTED WI THE FOLLOWING AREAS:



ZAN ATC-LIMITED NOTAM

AOB FL280 WI AN AREA DEFINED AS A LINE FM 662700.00N1685823.00W TO 650000.00N1685823.00W TO 640300.00N1721200.00W TO 625730.00N1743457.60W TO 624012.00N1704509.00W TO 603515.00N1682149.90W TO 591952.50N1675450.80W TO 584422.60N1674247.90W TO 581449.00N1665529.00W TO 565800.00N1650000.00W TO 550000.00N1670000.00W TO 541302.00N1674439.00W TO 532755.00N1672014.00W TO 523559.80N1634045.00W TO 533000.00N1600000.00W TO 544757.80N1563613.50W TO 560000.00N1530000.00W TO 564542.00N1514500.00W TO 572750.90N1503151.40W TO 591100.00N1500000.00W TO 590943.00N1521729.00W TO 593000.00N1552000.00W TO 595400.00N1562500.00W TO 603518.00N1562613.00W TO 615208.00N1562838.00W TO 614330.00N1551257.00W TO 622500.00N1533000.00W TO 630000.00N1530500.00W TO 631000.00N1524300.00W TO 644400.00N1542000.00W TO 654055.20N1540630.00W TO 660700.00N1570000.00W TO 660000.00N1630000.00W TO 663800.00N1645000.00W TO 662700.00N1685823.00W



ZAN ATC-LIMITED NOTAM

AOB FL600 WI AN AREA DEFINED AS A LINE FM 721013.70N1685823.00W TO 692028.30N1685823.00W TO 680000.00N1685823.00W TO 662700.00N1685823.00W TO 663800.00N1645000.00W TO 660000.00N1630000.00W TO 660700.00N1570000.00W TO 654055.20N1540630.00W TO 644400.00N1542000.00W TO 631000.00N1524300.00W TO 625804.60N1483418.50W TO 625000.00N1463500.00W TO 632000.00N1410000.00W TO 645701.90N1410000.00W TO 664000.00N1410000.00W TO 672000.00N1410000.00W TO 702536.70N1410000.00W TO 725955.00N1410000.00W TO 732405.88N1501457.27W TO 732407.28N1594226.90W TO 725955.00N1685821.00W TO 725755.00N1685823.00W

AIR TFC SERVICES WILL NOT BE AVAILABLE TO ETOPS ALTERNATE COLD BAY (PACD) WHICH MAY IMPACT FLIGHTS WI OAKLAND ARTCC FIR.



ZAN ATC-LIMITED NOTAM

WI THE REMAINDER OF ANCHORAGE ARTCC FIRS (DOMESTIC, OCEANIC, AND ARCTIC) ATC SER AND IFR OPS WILL BE RESTRICTED AS FOLLOWS:

NO SURVEILLANCE ATC SER WILL BE AVAILABLE.

NO ATC COM VIA VHF WILL BE AVAILABLE.

ALL AIRCRAFT MUST BE EQUIPPED WITH OPERABLE CONTROLLER-PILOT DATA LINK COMMUNICATIONS (CPDLC) EQUIPMENT CAPABLE OF COMMUNICATING WITH ATC.

ALL AIRCRAFT MUST LOG ON TO CPDLC PRIOR TO ENRTY INTO ANCHORAGE ARTCC FIRS.

IT IS HIGHLY RECOMMENDED THAT PILOTS CONTINUOUSLY MONITOR VHF FREQUENCY 123.45 FOR TRAFFIC INFORMATION BROADCAST BY AIRCRAFT (TIBA) AND RELAY FROM OTHER AIRCRRAFT OF EMERGENCY INSTRUCTIONS



ZAN ATC-LIMITED NOTAM

IT IS HIGHLY RECOMMENDED THAT ALL AIRCRAFT WITHIN VHF RANGE OF THE SEA—ANC NETWORK CONTACT ARINC ON VHF 129.4 TO OBTAIN PRIMARY/SECONDARY HF FREQUENCIES AND VERIFY SELCAL BEFORE ENTERING THE ANCHORAGE ARTCC FIRS.

DIRECT SATCOM VOICE CONTACT BETWEEN THE FLIGHT CREW AND ANCHORAGE CENTER SHALL BE LIMITED TO DISTRESS AND URGENCY SITUATIONS. THE ANCHORAGE CENTER TELEPHONE NUMBER FOR IRIDIUM USERS IS 907-269-1103. THE INMARSAT DIRECT DIAL CODE FOR ANCHORAGE CENTER IS 436602.



ZAN ATC-LIMITED NOTAM

**IFR ENTRY FM ADJACENT AIR TRAFFIC SER PROVIDERS AND ARTCC FIRS
WILL NOT BE ACCEPTED EXC FOR THE FOLLOWING:**

OVERFLIGHTS THRU ANCHORAGE ARTCC FIRS:

**WB FM EDMONTON FIR (CZEG) TO MAGADAN SOKOL FIR (UHMM),
PETROPAVLOVSK-KAMCHATSKY FIR (UHPP), AND FUKUOKA FIR (RJJJ) VIA
TIBOY ORT MCG. EXIT OVER OR S KUTAL.**

**WB FM VANCOUVER FIR (CZVR) TO UHMM, UHPP, AND RJJJ VIA KATCH B757
CJAAY. REMAIN S OF BET.**

**WB FM OAKLAND ARTCC OCEANIC FIR (KZAK) ENTER OVER OR SW OF
CJAAY. REMAIN S AND W OF BET.**

EB FM KZAK VIA B757. JOIN B757 W OF CJAAY

ZAN ATC-LIMITED NOTAM

EB FM RJJJ TO BEYOND 157W VIA PACIFIC ORGANIZED TRACK SYSTEM (PACOTS) OR PUBLISHED ATS ROUTING.

DEP FM ANCHORAGE (PANC):

EB VIA J511 GKN J511 TOVAD.

EB VIA GKN J124 ORT TIBOY.

EB VIA GKN J124 ORT EMSOW.

EB VIA WLRUS MDO J804R FRIED.

SB VIA NAPTO HOM ODK.



ZAN ATC-LIMITED NOTAM

WB VIA NODLE R220 NICH0 ENM ERNIK.

WB VIA NODLE R220 NICH0 ENM VALDA.

WB VIA NODLE R220 NICH0 R220 NEONN RUSOR.

WB VIA NODLE R220 NICH0 R220 NEONN G349 BESAT.

WB VIA NODLE R220 NIPPI.

WB VIA NODLE R220 NICH0 R580 OMOTO.



ZAN ATC-LIMITED NOTAM

ARR TO PANC:

MONITOR 127.3 WI 100NM OF PANC.

FM CZEG VIA JAGIT NCA13 TMSO WTTI4.

FM CZEG VIA DEEJA NCA10 JOH WTTI4.

FM CZVR VIA RIBIT BKA J133 JOH WTTI4.

FM CZVR VIA YZP J501 BKA J133 JOH WTTI4.

FM UHPP AND UHMM VIA VALDA H222 MCG TAGER8.

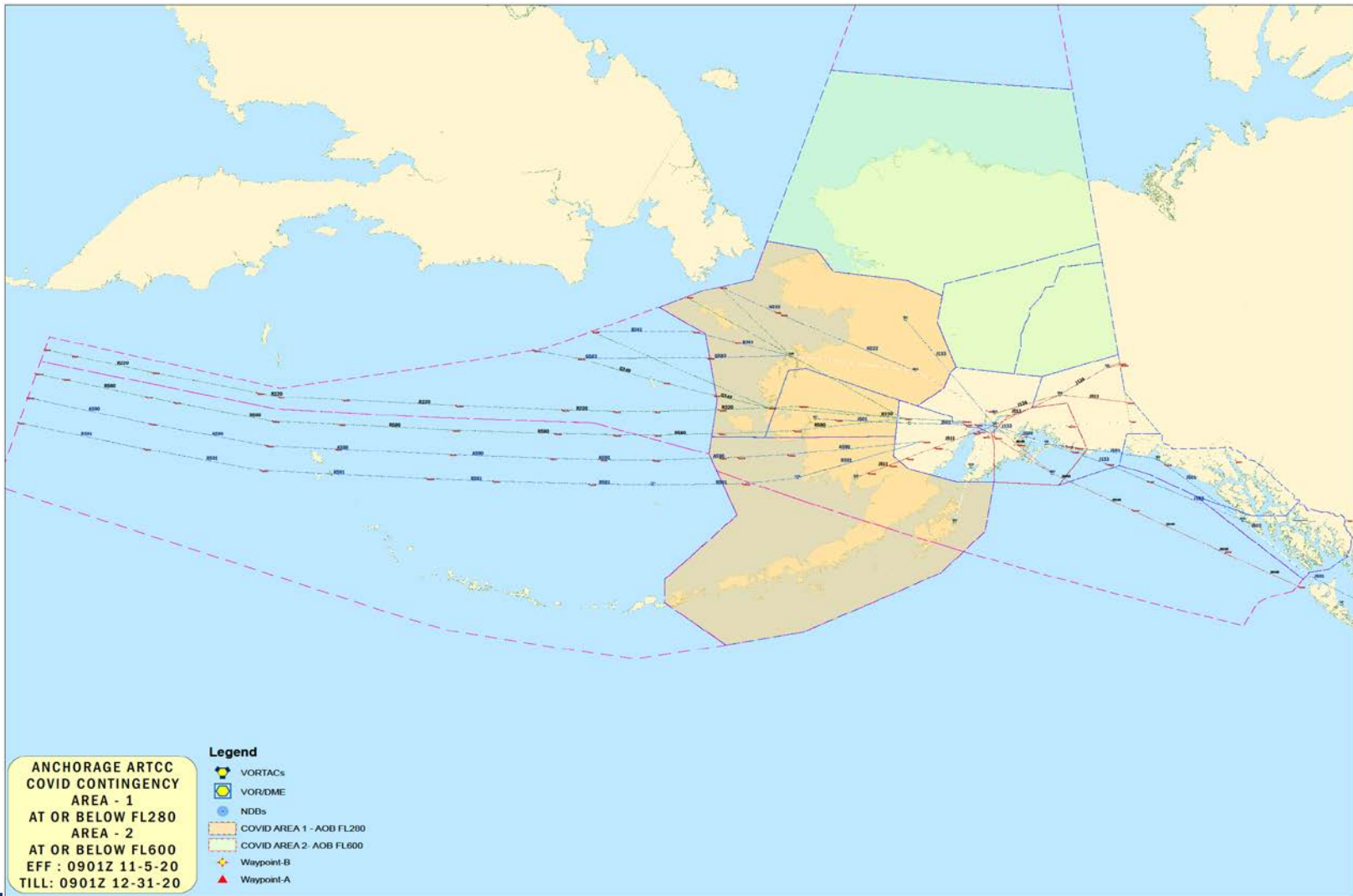
FM UHPP AND UHMM VIA BESAT G583 ENM MCG TAGER8.

FM UHPP AND UHMM VIA RUSOR B241 ENM MCG TAGER8.

ANCHORAGE ARTCC IS THE FAA CDN FACILITY TEL. 907-269-1108



ZAN ATC-LIMITED NOTAM



November 17-18, 2020

CPWG



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Operational Staffing

- **Alaska District Staffing Update:**
 - Three of our four busiest facilities ANC ATCT, ANC TRACON, and FAI ATCT are operating at near or over 90% of 2019 traffic and have returned to normal staffing
 - ZAN is at 80% traffic as of week ending November 1, 2020, over the same time period in 2019. The Facility is still on reduced staffing to prepare for contingency and reduce likelihood of cross contamination of employees



Anchorage ARTCC Traffic Trend for 2019 vs 2020

2019 2020



November 17-18, 2020

CPWG



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Questions?

Alaska District (TWAN) Update

Anchorage ARTCC - Contact Information



**Federal Aviation
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