Presented to:  Cross Polar Working Group

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Date:  October 22 - 24, 2019
Anchorage ARTCC (ZAN) Update

- Oceanic Performance
- Traffic Count
- Space Launch Activities
- Large Scale Military Exercises
- Oceanic Contingency
Anchorage ARTCC (ZAN) Update
Anchorage ARTCC - Oceanic Performance

The Ocean 21 system (OC21) permits FAA to gather data vis-à-vis Oceanic operations. The following charts provide a visual presentation of this selected data as it has been collected thru the end of August 2019.
Anchorage ARTCC (ZAN) Update
Anchorage ARTCC - Oceanic Performance

ZAN Flights & Equipment Utilization

Average No. of Flights per Day

No. Flights
% Utilizing Datalink
% RNP4
% RNP10

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Cross Polar Working Group
Federal Aviation Administration
Anchorage ARTCC (ZAN) Update

Anchorage ARTCC - Oceanic Performance

ZAN Altitude Change Requests

Average Altitude Change Requests per Day

No. of Requests ATC Handled

No. of Requests ATC Cleared

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Cross Polar Working Group
Anchorage ARTCC (ZAN) Update

Anchorage ARTCC - Oceanic Performance

ZAN Altitude Change Requests ATC Handled

- Average Altitude Change Requests per Day
- No. of Requests ATC Handled
- No. of HF Requests ATC Handled
- No. of DL Requests ATC Handled
# ZAN Oceanic Traffic Count

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<tr>
<th>Month</th>
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<td>7.13%</td>
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<td>-4% YTD</td>
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## Total Oceanic Count: 2014 thru 2019

![Bar chart showing oceanic traffic count from 2014 to 2019](chart.png)
Currently, one Commercial Space Launch facility is located within the PAZA FIR. This facility, named “Pacific Spaceport Complex-Alaska” or PSCA is located on Kodiak Island in the Gulf of Alaska.
Anchorage ARTCC (ZAN) Update
Anchorage ARTCC - Space Launch Activities

Six Launches from PSCA are planned for 2020, but specific
dates (and impacted airspace) have not yet been
coordinated.

PSCA activity is expected to increase to seven launches in
2021 and up to thirty-six launches in 2022.
Anchorage ARTCC (ZAN) Update
Anchorage ARTCC - Unmanned Aircraft Systems (UAS)

No currently scheduled high altitude or oceanic UAS activities affecting Anchorage FIRs
Anchorage ARTCC (ZAN) Update
Anchorage ARTCC - Military Exercises
Anchorage ARTCC (ZAN) Update
Anchorage ARTCC - Military Exercises

• Large scale military exercises planned for 2020:
  – Red Flag 20-1 dates 01 May – 15 May, 2020
  – Red Flag 20-2 dates 12 Jun – 26 Jun, 2020

• Exercises involve 50 plus aircraft and numerous Military Operations Areas (MOAs), ATC Assigned Airspaces (ATCAAs), and Restricted Areas.

• Traffic Management Initiatives (TMI) will be issued to accommodate non-participating aircraft.
Anchorage ARTCC (ZAN) Update
Anchorage ARTCC - Military Exercises
Anchorage ARTCC (ZAN) Update

Anchorage ARTCC - Military Exercises

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Federal Aviation Administration
1) **ALL WESTBOUND FLIGHTS ENTERING THE ANCHORAGE FIR NORTH OF 62N141W MUST BE ESTABLISHED** ON ONE OF THE FOLLOWING ROUTES: (A) ON OR NORTH OF NCA30 (B) OVER OR SOUTH OF ORT. IF ROUTING VIA ORT, UTILIZE ONE OF THE FOLLOWING TRANSITIONS:

(1) ORT J124 BGQ NODLE R220
(2) ORT J124 BGQ NODLE NICHO R580
(3) ORT J124 GKN 6140N151W MCG

2) **ALL EASTBOUND FLIGHTS TRANSITING THE ANCHORAGE FIR SHALL FLIGHT PLAN VIA ONE OF THE FOLLOWING:**

(A) ON OR NORTH OF FYU J167 POTAT NCA30
(B) OVER OR SOUTH OF ANC J511 GKN J124 ORT
Anchorage ARTCC (ZAN) Update
Anchorage ARTCC - Military Exercises

Red Flag TMIs
- Westbound Traffic (Ref TMI #1)
- Eastbound Traffic (Ref TMI #2)

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3) THE FOLLOWING ROUTES ARE **NOT** AVAILABLE:

   (A) **NCA28, NCA24, NCA19 AND NCA22**
   (B) J167 BETWEEN GKN AND FYU
   (C) **J502/J515 BETWEEN FAI AND ORT**
   (D) V481 BETWEEN BIG AND FYU
   (E) J507 BETWEEN ORT AND FYU

4) FROM 1700-1800 UTC, 2030-2100 UTC, 2300-0000 UTC AND 0230-0300 UTC WEEKDAYS
   **AIRCRAFT LANDING/DEPARTING FAI** AND LOW ALTITUDE AIRCRAFT FILED BETWEEN BIG AND
   ORT OR BIG AND GKN WILL BE RESTRICTED AT OR BELOW 17000 MSL.
Red Flag TMI's

5) FROM 1800-2030 UTC AND 0000-0230 UTC WEEKDAYS, THE FOLLOWING ROUTES ARE NOT AVAILABLE:

(A) A2, A15 AND B25
(B) V444, V481 AND V515
(C) T232 AND T226
(D) DIRECT ROUTES OVER OR IN THE VICINITY OF BIG.

6) FROM 1800-2030 UTC AND 0000-0230 UTC, IFR ARRIVALS/DEPARTURES TO/FROM ALLEN AAF ARE UNAVAILABLE.
Refer to NOTAMs and FAA’s “SUA” website - http://sua.faa.gov
for updated Special Use Airspace information
ANCHORAGE OCEANIC AIR ROUTE TRAFFIC CONTROL CENTER OPERATIONAL CONTINGENCY PLAN (OCP)

Network Facility Support Plan

• Primary Support Facility:
  – Air Traffic Control System Command Center (ATCSCC)

• Back-up Support Facilities:
  – Oakland Oceanic Air Route Traffic Control Center (ZOA)
  – William J. Hughes Technical Center (ZNJ)
Anchorage Oceanic OCP – Network Support Plan

LEGEND KEY

- Phases:

  Phase 1: Stabilization
  - Stabilize the impacted airspace

  Phase 2: Divest Airspace
  - Phase 2a: Divest the impacted airspace to Oakland ARTCC and resume limited operations with Anchorage controllers
  - Phase 2b: Resume contingency air traffic control services with Oakland and/or Anchorage controllers

  Phase 3: Contingency ATC Service Restoration
  - Restore air traffic services via the business continuity plan
Anchorage Oceanic OCP – Network Support Plan

This image shows the Anchorage Oceanic FIR area and its boundaries. Aircraft flying in this region must adhere to specific communication protocols. The map highlights the PAZN, PAZA, and PAZN areas. For further details, refer to the operational procedures outlined in the document.
Anchorage ARTCC (ZAN) Update

Anchorage ARTCC - Contact Information

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Questions?