

**VATUSA ANCHORAGE ARTCC AND VATCAN EDMONTON FIR  
LETTER OF AGREEMENT**

**EFFECTIVE: January 26, 2023**

**SUBJECT: INTERFACILITY COORDINATION**

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1. **PURPOSE:** This agreement establishes coordination procedures and defines delegation of airspace between Anchorage ARTCC (PAZA) and Edmonton FIR (CZEG). This agreement is supplemental to the FAA JO 7110.65 and the NavCanada Air Traffic MANOPS/MATS, and other network policies. Where conflicts exist, those documents shall supersede this agreement.
2. **DISCLAIMER:** Information contained herein is designed and specifically for use in a virtual Air Traffic Control environment. It is in no way applicable to nor should be used in real world aviation environments.
3. **RESPONSIBILITIES:** As defined by aeronautical chart or approved, government issued, or endorsed aeronautical publication/document; unless coordinated by written or verbal methods, facilities listed with a controlling agency will be controlled by said agency regardless of location relative to ARTCC/FIR outlined boundaries. Required coordination must be completed and approved prior to aircraft entering/exiting said airspace.
4. **CANCELLATION:** This document cancels any previous agreements between CZEG and PAZA.
5. **SHARED PROCEDURES:**
  - a. Each ARTCC shall route and restrict aircraft in accordance with Attachment A.
  - b. Follow the Common Boundaries as established in Attachment B.
  - c. Handoffs shall be conducted using automation to exchange radar identification to the extent possible.
    - i. Handoffs must be conducted no later than 10 minutes prior to the common boundary. Any changes after handoff has been initiated must be coordinated prior to issuing to aircraft (route, altitude, squawk, etc).
    - ii. Transfer of control shall occur only at the common boundary unless otherwise coordinated, but the transferring controller may, upon transfer of communications: conduct turns of 20 degrees or less, or reassign beacon codes.
    - iii. Any abnormal flight conditions, for example incorrect altitude for direction of flight, must be coordinated and emphasized to the receiving controller.
    - iv. Flights originating within 5 minutes of the boundary that will cross that boundary, must be coordinated with the receiving controller prior to or as soon as possible after departure.
    - v. Transfer of communications must occur prior to the aircraft crossing the common boundary.
    - vi. The transferring controller shall ensure that no less than 10 nautical mile in-trail spacing exists for aircraft on the same routing at the same altitude.

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- vii. Handoffs to PAZA controllers shall be to the designated areas or sectors as documented in Attachment C.
- viii. Handoffs to CZEG controllers shall be to the designated positions as documented in Attachment D.

***Joseph Kerr***

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Joseph Kerr  
Air Traffic Manager  
Anchorage ARTCC, VATUSA

***Thomas Smith***

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Thomas Smith  
FIR Chief  
Edmonton FIR, VATCAN

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**ATTACHMENT A - ROUTE/ALTITUDE RESTRICTIONS FOR IFR AIRCRAFT**

**FROM CZEG TO PAZA**

<b>Arrival Airport</b>	<b>Route Via</b>	<b>Altitude (cross common boundary unless otherwise noted)</b>
PAJN	J536.SSR	Descending FL230
PAHN/PAGY	ANY	AOA 15000
PAOR	J515.ORT Q902.ORT NCA15.ORT NCA17.ORT V444.ORT	J515/Q902: AOA 6000 NCA15/NCA17: AOA 8000 V444: AOA 6000
PFYU	J507.ORT.J507.FYU J167.FYU J160.FYU NCA28.FYU	J507: N/A J167: AOB FL320 J160: N/A NCA28: AOB FL300

All other aircraft arriving at an airport within PAZA should, to the extent possible, have a STAR assigned. No other restrictions exist.

**FROM PAZA TO CZEG**

<b>Arrival Airport</b>	<b>From PAJN/PAGY/PAHN Via</b>	<b>Altitude (cross common boundary unless otherwise noted)</b>
CYXY	*MEMLI GOROV1	Descending FL230
CYXY	*GOROV GOROV1	N/A

\*CZEG grants PAZA authority to send flights DCT MEMLI or GOROV without prior coordination with Edmonton CTR if online.

All other aircraft arriving to CYXY should be on a High or Low Airway to YXY (Whitehorse) or direct YXY.

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**ATTACHMENT B - COMMON BOUNDARY**

Pursuant to existing government records, the common boundary shall be defined as:

N090.00.00.000 W141.00.00.000  
N062.00.00.000 W141.00.00.000  
N060.21.00.000 W139.11.00.000  
N060.21.05.000 W139.04.29.999 ; US/CAN Border  
N060.19.14.998 W139.03.59.998 ; US/CAN Border  
N060.05.09.999 W139.11.59.999 ; US/CAN Border  
N059.59.30.000 W139.03.00.000 ; US/CAN Border  
N059.53.59.998 W138.42.30.000 ; US/CAN Border  
N059.48.29.999 W138.39.59.999 ; US/CAN Border  
N059.46.08.080 W138.37.27.670  
N059.31.28.710 W136.14.12.070  
N059.23.14.840 W134.59.16.530  
N059.22.59.998 W134.58.59.999 ; US/CAN Border  
N059.21.30.000 W135.01.30.000 ; US/CAN Border  
N059.16.59.999 W134.57.30.000 ; US/CAN Border  
N059.15.00.000 W134.41.59.999 ; US/CAN Border  
N059.11.30.000 W134.41.00.000 ; US/CAN Border  
N059.07.59.998 W134.34.29.999 ; US/CAN Border  
N059.07.59.998 W134.28.59.999 ; US/CAN Border  
N059.05.30.000 W134.26.59.999 ; US/CAN Border  
N059.02.29.999 W134.22.59.999 ; US/CAN Border  
N058.58.30.000 W134.24.29.998 ; US/CAN Border  
N058.57.44.998 W134.18.59.998 ; US/CAN Border  
N058.55.29.999 W134.20.15.000 ; US/CAN Border  
N058.51.30.000 W134.15.00.000 ; US/CAN Border  
N058.45.59.998 W133.57.30.000 ; US/CAN Border  
N058.43.30.000 W133.50.00.000 ; US/CAN Border  
N058.36.00.000 W133.41.29.998 ; US/CAN Border  
N058.31.29.998 W133.33.30.000 ; US/CAN Border  
N058.25.29.999 W133.22.30.000 ; US/CAN Border  
N058.23.15.000 W133.27.30.000 ; US/CAN Border  
N058.16.29.998 W133.20.30.000 ; US/CAN Border  
N058.12.44.998 W133.15.00.000 ; US/CAN Border  
N058.09.29.999 W133.10.30.000 ; US/CAN Border  
N058.00.00.000 W133.04.14.999 ; US/CAN Border  
N057.50.14.998 W132.52.00.000 ; US/CAN Border  
N057.42.00.000 W132.45.00.000 ; US/CAN Border  
N057.37.00.000 W132.39.59.999 ; US/CAN Border  
N057.29.30.000 W132.33.00.000 ; US/CAN Border  
N057.21.00.000 W132.22.00.000 ; US/CAN Border

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N057.12.30.000 W132.15.00.000 ; US/CAN Border

N057.05.14.998 W132.22.30.000 ; US/CAN Border

N057.02.29.999 W132.02.29.999 ; US/CAN Border

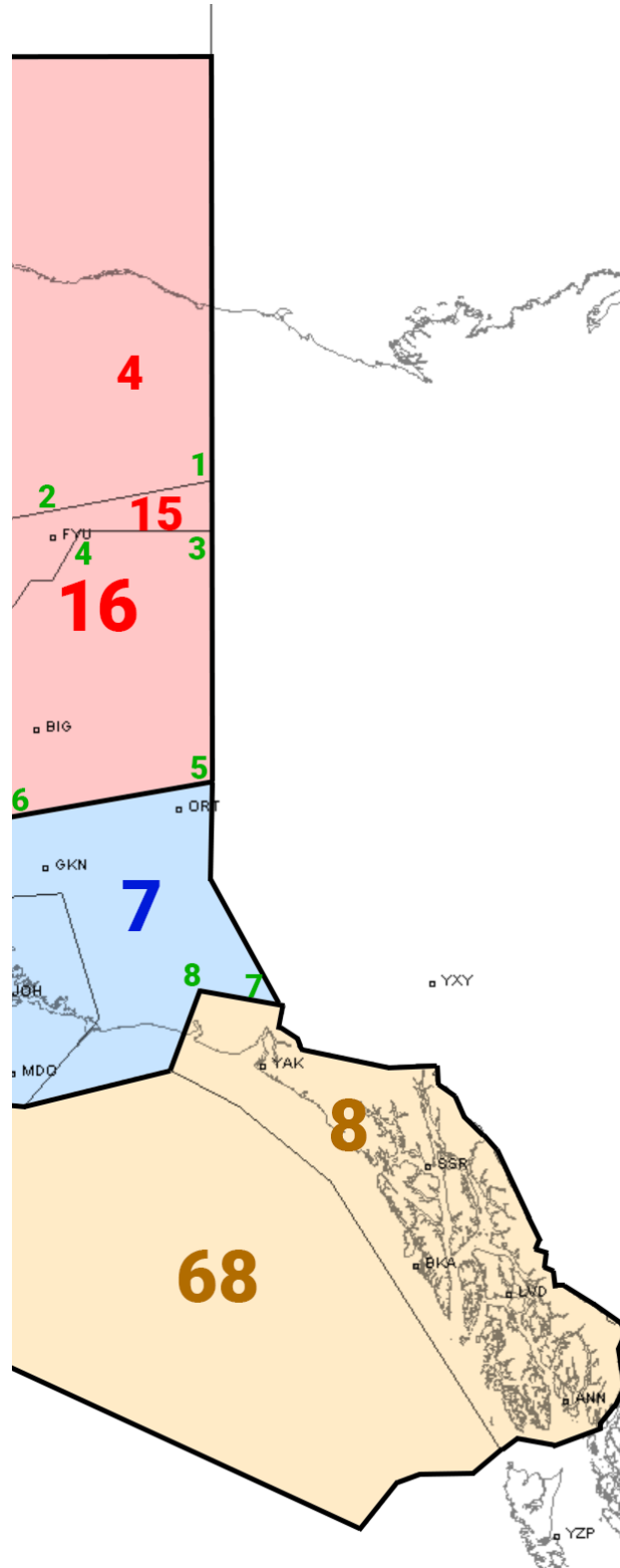
N056.59.59.334 W132.03.51.434

N056.59.59.334 W132.03.51.434

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ATTACHMENT C - PAZA ENROUTE SECTORIZATION

The following figure is the visual representation of the eastern boundary of the PAZA airspace.



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1. Areas:

- a. Red: North Area
  - i. Combines to Sector 15 (ANC\_15\_CTR).
  - ii. When ANC\_15\_CTR is not staffed, the area will combine to ANC\_06\_CTR
- b. Blue: Central Area
  - i. All handoffs go to Sector 7 (ANC\_07\_CTR)
  - ii. When Sector 7 is not staffed, the area will combine to ANC\_06\_CTR
- c. Yellow: South Area
  - i. Combines to Sector 8 (ANC\_08\_CTR)
  - ii. When Sector 8 is not staffed, the area will combine to ANC\_06\_CTR
- d. Arctic: (not colored above)
  - i. All aircraft entering the PAZA airspace north of N072.00.00.000 W141.00.00.000 are not controlled by a domestic sector. The controller for this airspace is **only** ZAN\_64\_FSS on VHF frequency 134.4 or HF frequency 17.925.
- e. When the above is not followed, PAZA controllers shall coordinate the area designations to all neighboring controllers. Outside of events, individual sectors are not staffed... only areas. Areas are as follows:

Area Name	Primary Sector Callsign	Radio Callsign	Frequency
North	ANC_15_CTR	Anchorage Center	120.9
West	ANC_03_CTR	Anchorage Center	133.3
Central**	ANC_06_CTR	Anchorage Center	132.3
South	ANC_08_CTR	Anchorage Center	126.1
Arctic (Oceanic)	ZAN_64_FSS	Anchorage Radio	134.4/17.925

\*\* Positions shall combine to this area.

2. Sector designations (green numbers in above) for purposes of illustrating splits on video maps:

- a. Point 1 and 2 (Boundary between 4 and 15):
  - i. N067.20.00.000 W141.00.00.000 N066.07.00.000 W154.00.00.000
- b. Point 3 and 4 (Boundary between 15 and 16):
  - i. N066.40.00.000 W141.00.00.000 N066.40.00.000 W144.30.00.000
- c. Point 5 and 6 (Boundary between North Area and Central Area [and sectors 16 and 7]):
  - i. N063.20.00.000 W141.00.00.000 N062.50.00.000 W146.35.00.000
- d. Point 7 and 8 (Boundary between Central Area and South Area [and sectors 7 and 8]):
  - i. N060.21.00.000 W139.11.00.000 N060.32.00.000 W141.20.00.000

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**ATTACHMENT D - CZEG ENROUTE COORDINATION**

The following diagram is a visual representation of western shared border of CZEG with PAZA.



1. Area handoffs go to **CZEG\_N\_CTR** (Edmonton Centre), **CZEG\_CTR** (if CZEG\_N\_CTR is not staffed) or **\*CZEG\_FSS** (Edmonton Centre) if CZEG\_N\_CTR and CZEG\_CTR are not staffed.

<b>Area</b>	<b>Primary Sector Callsign</b>	<b>Radio Callsign</b>	<b>Frequency</b>
Common Border	CZEG_N_CTR	Edmonton Centre	134.675
Common Border	CZEG_CTR	Edmonton Centre	135.750
Common Border	*CZEG_FSS	Edmonton Centre	135.025

**\*CZEG\_FSS** (Edmonton Centre) is the primary staffed position.