



Federal Aviation Administration

Memorandum

TO: Air Traffic Control System Command Center (ATCSCC) **DATE:** 11/24/2021

FROM: Stephen Thornton, Traffic Management Officer, Anchorage ARTCC

SUBJECT: System Impact Report NOPAC ATS Route Structure Changes

Airport/Facility/Equipment Identifier: Anchorage ARTCC (ZAN, PAZA)

Description of outage/project/event: Phase 1a NOPAC Redesign, Anchorage ARTCC

Upcoming Significant Changes to the NOPAC ATS Route Structure:

For a number of years, Anchorage Center has been working in partnership with adjacent facilities as well as industry partners to re-design the NOPAC route structure. The latest iteration of this has been a multiphase approach which will occur over several years and three distinct phases. Phase 1A will involve changes to the ATS routes encompassing the NOPAC structure.

The most significant portion of the change occurring December 2 will involve shifting the existing airway structure South by varying amounts. Additionally, two new ATS routes will be added between R220, R580, and A590. Finally, a new NOTAM for R220 which requires operators to be PBCS equipped in order to flight plan between FL340 and FL400 will be issued.

Change 1: Shifting the NOPAC Route Structure South-

The NOPAC ATS route structure West of NATES and East of NIPPI (and corresponding waypoints of each route South of R220) will be shifting southward. This is best illustrated by looking at Figure A below. The neon green lines are depicting the old route locations while the dashed blue lines are depicting the new route locations. This change will occur at 11:59PM/12:00AM December 2, 2021 (Wednesday night, Thursday morning during chart change.)

Operators should file a flight plan that corresponds to the mapping database active at the time of their departure. During the transitional period, ATC may issue instructions on routing or altitude. Operators should be aware that during the transitional period, PACOT tracks will not be published through the NOPAC ATS route structure so as to avoid unnecessary complications due to traffic volume.

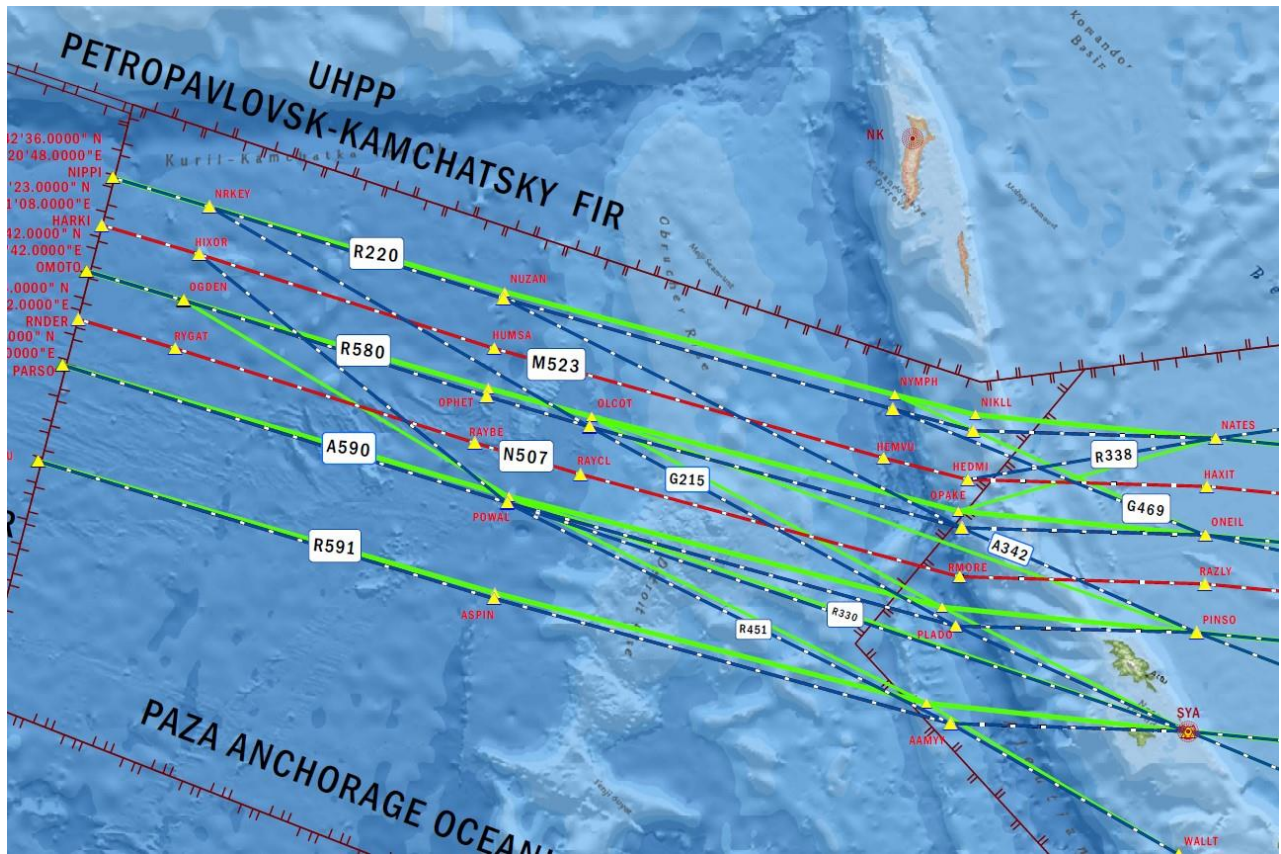


Figure A (Note that G344 is not depicted on this illustration as there are no changes being made to it.)

Change 2: Addition of New Routes and Waypoints/Fixes

Two new ATS routes will be published on December 2, 2021. These routes are depicted in Figure A and are named M523 and N507. These routes/waypoints will be immediately NOTAMed as unusable for several reasons, namely we do not have the separation standards in place to use them and they end at the FIR boundary with ATMC. The exception to this will be three waypoints which comprise other routing structure due to intersection of airways. They are HEDMI (R338), RULOEY (G469), and HIXOR (R451). These waypoints are useable.

M523 and N507 NOTAM DRAFT:

The following flight planning restrictions are applicable for ACFT which are routed thru the Anchorage ARTCC NOPAC route structure: NOPAC ATS Routes M523 and N507 as well as associated waypoints/fixes are not available for flight planning purposes. (Exception: HEDMI (R338), RULOEY (G469), and HIXOR (R451) may be filed if used with the associated crossing airways). REFER QUESTIONS CONCERNING THIS NOTAM TO ANCHORAGE ARTCC INTL PROCEDURES AT (907)269-1801.

If an operator files these routes, they will not be permitted to fly them and may be asked to refile a flight plan prior to departure. If the routing is not discovered until after departure, the flight crew should expect a re-route which will likely be less than optimal.

Change 3: R220 Flight Planning Requirements-

Beginning December 2, 2021, as part of the NOPAC Redesign Project, Anchorage Center will publish a NOTAM requiring PBCS equipage on R220 from FL340-FL400. This NOTAM is being published to continue the NOPAC Redesign and to encourage compliance by operators. Once ZAN has the capabilities to effectively monitor this requirement and compliance is at a higher rate, instructions on enforcement by controllers will be discussed, communicated to operators, and implemented.

R220 Exclusionary NOTAM DRAFT:

The following flight planning restrictions are applicable for ACFT which are routed thru the Anchorage ARTCC NOPAC route structure: ACFT on R220 should have RCP240, RSP180 and RNP4 equipage in order to operate between FL340 to FL400. ACFT not equipped may be contacted post flight during the testing compliance phase from December 2, 2021 through December 1, 2022. REFER QUESTIONS CONCERNING THIS NOTAM TO ANCHORAGE ARTCC INTL PROCEDURES AT (907) 269-1801.

If flight crews or dispatchers have questions about this NOTAM during flight, please advise them to contact Anchorage Center at the number listed in the NOTAM or at the numbers listed below.

Contact Information:

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Date/Time of any scheduled telcons:

Any updated information will be shared on the DDSO Customer Telcon (scheduled monthly by WSA DDSO) or ZAN TMU daily operational telcon at 10:15AM Alaska Time. For specific invitation information to either telcon, please use the contact information provided above.