

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
KROTO (RNAV)	FIVE	KROTO.KROTO5	FOUR	02/01/2018	

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
KKYLE	KKYLE.KROTO5	KKYLE	KKYLE						
			AKMAX	123.17	58.07	11000	11000		AT/ABOVE 11000
			ROHHN	124.36	37.28	8600	5200		
			KROTO	087.69	19.82	3900	3700		AT/ABOVE 9000
PUYVO	PUYVO.KROTO5	PUYVO	PUYVO						
			AILEE	175.64	27.98	11000	10100		
			TKA VOR/DME	175.44	79.85	11000	10100		AT/ABOVE 11000
			KROTO	172.72	36.53	3900	2600		AT/ABOVE 9000
WINOR	WINOR.KROTO5	WINOR	WINOR						
			FFITZ	106.82	37.69	8600	8600		
			ROHHN	095.42	58.73	8600	8600		
			KROTO	087.69	19.82	3900	3700		AT/ABOVE 9000

ARRIVAL ROUTE DESCRIPTION:

LANDING RWY 7L/R: FROM KROTO ON TRACK 160.81/23.73 TO CROSS NHCOL AT 5000, THEN ON TRACK 187.91/4.52 TO CROSS ASLEE AT 5000 AND AT 230 KIAS, THEN ON TRACK 253.71/6.70 TO CROSS CULEN AT 4000 AND AT 210 KIAS, THEN ON TRACK 253.71. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 15: FROM KROTO ON TRACK 148.76/12.62 TO CROSS TOMMM AT OR ABOVE 5000, THEN ON TRACK 148.39/7.34 TO CROSS CARDD AT 3000. EXPECT ILS OR RNAV RWY 15 APPROACH.

PBN REQUIREMENT NOTES:

RNAV 1 - GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY

NOTE: GPS REQUIRED

FIXES AND/OR HOLDING PATTERNS:

COMMUNICATIONS:

CHART: ANCHORAGE APP CON

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AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
ANC/PANC	ANCHORAGE	AK

LOST COMMUNICATIONS PREFERENCES:

RWY 7L/R: AFTER CULEN, TURN LEFT HEADING 165, INTERCEPT THE ENA VOR/DME R-008 TO CROSS ELIAS AT OR ABOVE 2000 AND PROCEED ON THE ILS OR LOC RWY 7R APPROACH.
RWY 15: AFTER CARDD PROCEED ON THE ILS RWY 15 APPROACH.

REMARKS:

DO NOT CHART MOCA VALUES WITHIN 500 FT OF MEA.
LOST COMM CONTROLLING OBST IS A 200 SHIP, 2C, 610608.83N/1504024.90W
CHART: LOST COMM TRACK FROM CULEN TO ENA R-008

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: NOT CONDUCTED
MAGVAR: PANC 16E/2020
CHART AT CULEN TERMINUS: ANC LDG RWY 7L/R
CHART AT CARDD TERMINUS: ANC LDG RWY 15
CHART: I-ANC, I-BSC, I-TGN.

FLIGHT INSPECTED BY:

ORGANIZATION: **DATE:**

JAMES HAWLEY

FPO

08/08/2024

Flight Inspected Signature:

Digitally signed by
ERIC N SUSKI
Aug 13, 2024

DEVELOPED BY:

Jeffery Harris, Support Manager Alaska District

Anchorage ARTCC 7/01/2024

Developed By Signature:

Digitally signed by
ERIC N SUSKI
Aug 13, 2024

APPROVED BY:

ERIC SUSKI

AJV-A431

Approved By Signature:

Digitally signed by
ERIC N SUSKI
Aug 13, 2024

CHANGES:

1. ADDED "AT 5000" AND "AT 230 KIAS" RESTRICTIONS AT ASLEE.
2. ADDED "AT 210 KIAS" RESTRICTION AT CULEN.
3. REMOVED 240 KIAS RESTRICTION AT NCHOL.
4. ADDED AT/ABOVE 11000 RESTRICTION AT AKMAX.
5. CHANGED RESTRICTION AT TKA FROM AT/ABOVE 10000 TO AT/ABOVE 11000.
6. LOWERED MEA ROHNN TO KROTO FROM 4400 TO 3900, ROHNN FROM 6000 TO 8600.
7. DELETED GULKANA (GKN) TRANSITION.
8. AMENDED LOST COMM INSTRUCTIONS.

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9. CHANGED LOST COMM FOR RWY 15.
10. LOWERED MEAs WINOR TO FFITZ TO ROHHN FROM 8800 TO 8600 AND AILLE FROM 8200 TO 10100.
11. ADDED TERMINUS DATA TO ADDITIONAL FLIGHT DATA
12. AIRPORTS SERVED: REPLACED AIRPORT NAME TD STEVENS ANCHORAGE INTL WITH AIRPORT ID ANC/PANC.
13. ADDED PBN REQUIREMENT NOTES: ADDED RNAV-1 GPS.
14. PROCEDURAL DATA NOTES: UPDATED NOTE: TURBOJET AIRCRAFT ONLY TO JET AIRCRAFT ONLY.

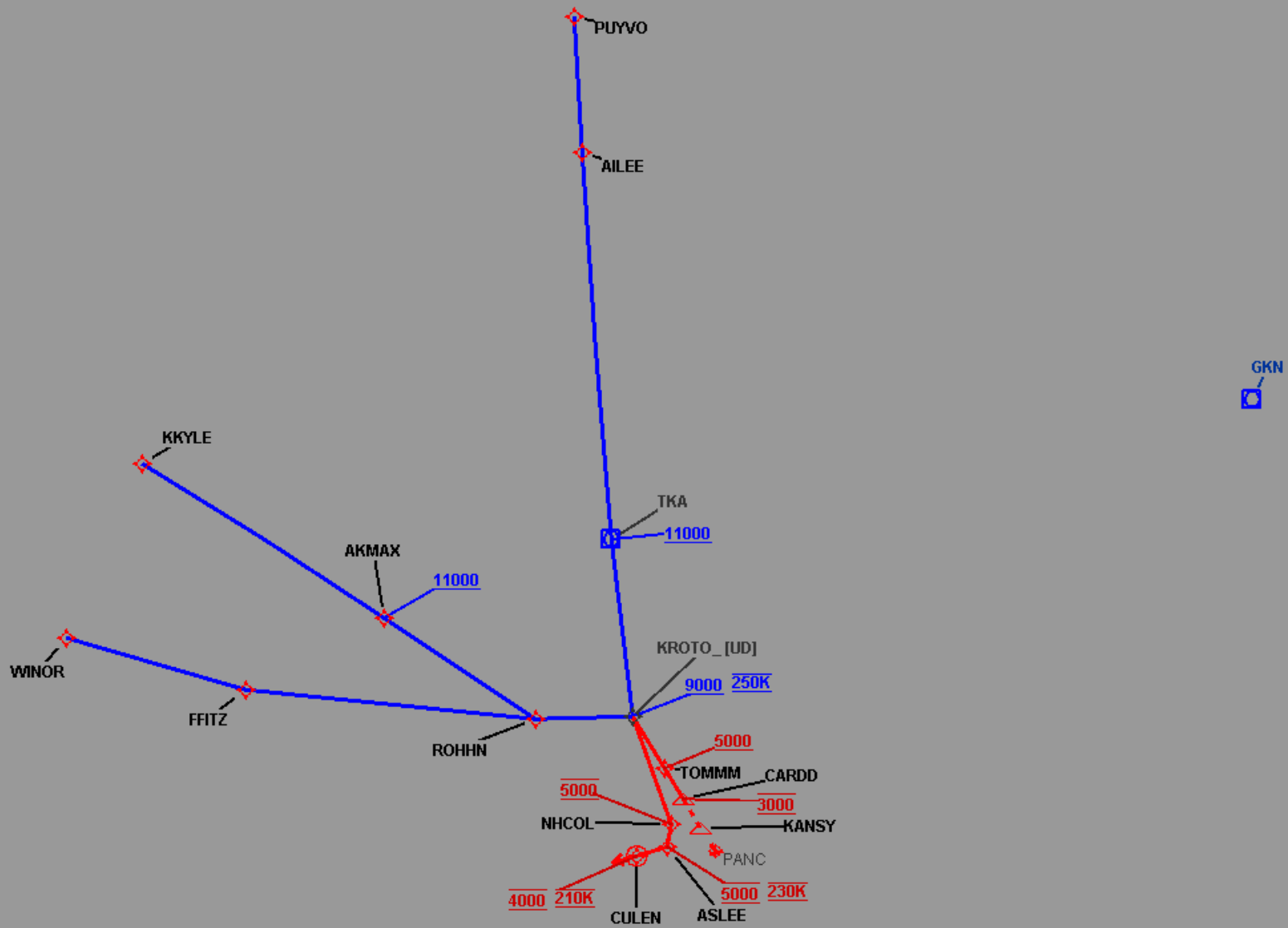
REASONS:

1. SEPARATES FROM WESTBOUND PANC DEPARTURES.
2. ATC REQUEST. MITIGATES COMPRESSION DURING SEQUENCING TO FINAL.
3. ATC REQUEST. NO LONGER NEEDED.
- 4-5. REQUIRED TO ENSURE MINIMUM ROC.
6. NEW OBSTACLE EVALUATION RESULTS.
7. ATC REQUEST. ROUTE DOES NOT CLEAR SPECIAL USE AIRSPACE.
- 8-9. COMPLIES WITH AFS RECOMMENDED WORDING.
10. UPDATED TERRAIN/OBSTACLE ANALYSIS RESULTS.
11. IAW FAAO 8260.19J, 4-5-2 h. 2.
12. UPDATED TO NEW FORMS VERSION.
13. UPDATED FORMS IAW 8260.19J 4-5-3.C.
14. UPDATED FORMS IAW 8260.19J 4-5-12.D.3.

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Graphic Depiction 1					



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name KROTO (RNAV)		Number FIVE		STAR Computer Code KROTO.KROTO5		Superseded Number FOUR		Dated 02/01/2018	Effective Date
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
En Route Transition									
KKYLE	625939.41N / 1530938.84W	Y		IF					KKYLE.KROTO5
AKMAX	621527.05N / 1514826.77W	Y	FB	TF	139.17	58.07	AT/ABOVE 11000		
ROHHN	614640.29N / 1505822.50W	Y	FB	TF	140.36	37.28			
KROTO	614153.65N / 1501756.32W	Y	FB	TF	103.69	19.82	AT/ABOVE 9000	AT 250K	
En Route Transition									
PUYVO	640319.80N / 1491945.00W	Y		IF					PUYVO.KROTO5
AILEE	633600.04N / 1493223.46W	Y	FB	TF	191.64	27.98			
TKA VOR/DME	621754.16N / 1500618.90W	Y	FB	TF	191.44	79.85	AT/ABOVE 11000		
KROTO	614153.65N / 1501756.32W	Y	FB	TF	188.72	36.53	AT/ABOVE 9000	AT 250K	
En Route Transition									
WINOR	622930.27N / 1540100.06W	Y		IF					WINOR.KROTO5
FFITZ	620851.79N / 1525329.55W	Y	FB	TF	122.82	37.69			
ROHHN	614640.29N / 1505822.50W	Y	FB	TF	111.42	58.73			
KROTO	614153.65N / 1501756.32W	Y	FB	TF	103.69	19.82	AT/ABOVE 9000	AT 250K	
Runway Transition									
KROTO	614153.65N / 1501756.32W	Y		IF			AT/ABOVE 9000	AT 250K	
NHCOL	611815.88N / 1501512.19W	Y	FB	TF	176.81	23.73	AT 5000		
ASLEE	611408.40N / 1501859.82W	Y	FB	TF	203.91	04.52	AT 5000	AT 230K	
CULEN	611405.68N / 1503251.74W	Y	FO	TF	269.71	06.70	AT 4000	AT 210K	
PANC:RWY 7L,RWY 7R				FM	269.71				

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<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>	
Runway Transition										
KROTO	614153.65N / 1501756.32W	Y		IF			AT/ABOVE 9000	AT 250K		
TOMMM	612945.00N / 1501101.00W	Y	FB	TF	164.76	12.62	AT/ABOVE 5000			
CARDD	612241.93N / 1500654.71W	Y	FB	TF	164.39	07.34	AT 3000			
PANC:RWY 15										