

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> TED STEVENS ANCHORAGE INTL	<u>AIRPORT ID</u> PANC	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 7R	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> ANCHORAGE	<u>STATE</u> AK	
<u>AIRPORT ELEVATION</u> 151	<u>TDZE</u> 132	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 7R	<u>ORIGINAL/AMENDMENT</u> 4D	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 10/10/2019	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
GASTO		CEYAB		TF	FB	1.00	042.80	16.77	2000
IVANN		ECIKI		TF	FB	1.00	164.52	7.77	3600
CEYAB	IAF	WEWWO		TF	FB	1.00	028.38	6.70	2000
ECIKI	IAF	WEWWO		TF	FB	1.00	118.41	7.50	2000
WEWWO	IF	TULLI		TF	FB	1.00	073.55	5.70	1600
TULLI	FAF	RW07R	MAP	TF	FO	0.30	073.71	4.44	
RW07R	MAP	900 MSL		CA			073.71		900
900 MSL		JUKEP		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW07R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JUKEP AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT WEWWO

3. FAC: 073.71

FAF: TULLI

DIST FAF TO MAP: 4.44

DIST FAF TO THLD: 4.44

4. MIN ALT: WEWWO 2000, TULLI 1600

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.46

GS ANT:

6. MIN GP INCPT: 1600

GP ALT AT FAF : TULLI 1600

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 54.8

8. MSA FROM: RW07R 8800

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IVANN ON V440 WESTBOUND AND ARRIVALS AT GASTO ON V462 SOUTHWEST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.30 NM TO RW07R*
*LNAV ONLY
WAAS CHANNEL #81815
REFERENCE PATH ID: W07A
CHART FAS OBST: 356 POLE 610933N/1500202W.
HOLD NE, RT, 210.00 INBOUND
LTP HAE: 46.1 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	332	1800	200	332	1800	200	332	1800	200	332	1800	200			
LNAV/VNAV DA	648	5500	516	648	5500	516	648	5500	516	648	5500	516			
LNAV MDA	620	2400	488	620	2400	488	620	5000	488	620	5000	488			
CIRCLING	700	1	549	700	1	549	800	1 3/4	649	920	2 1/2	769			



CHANGES - REASONS

- 1. CHANGED CHART VDP AT 1.38 NM TO RW07R TO CHART VDP AT 1.30 NM TO RW07R - LNAV MDA LOWERED 20 FT.
- 2. CHANGED LNAV/VNAV DA/HAT FROM 660/528 TO 648/516 AND LNAV/VNAV VISIBILITY FROM 1 3/8 TO 5500- 133 XP ADJUSTMENT CORRECTED TO 121 MA ADJUSTMENT.
- 3. CHANGED LNAV MDA/HAA FROM 640/508 TO 620/488 AND LNAV CAT C/D VISIBILITY FROM 5500 TO 5000- REMOVED UNNECESSARY 34 XP ADJUSTMENT.
- 4. CHANGED CIRCLING CAT A/B CMDA/HAA FROM 740/589 TO 700/549, CAT C CMDA/VIS/HAA FROM 740/1 1/2/589 TO 800/1 3/4/649, AND CAT D CMDA/VIS/HAA FROM 800/2/649 TO 920/2 1/2/769 - APPLIED NEW CIRCLING CRITERIA, NEW CONTROLLING OBSTACLES.
- 5. CHANGED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 43C (109F) TO CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 54C - IAW 8260.19H AND NEW HISTORICAL TEMPERATURE DATA.
- 6. DELETED CHART NOTE: DME/DME RNP 0.3 NA - IAW 8260.19H.
- 7. ADDED RNP APCH TO PBN REQUIREMENTS NOTES - IAW 8260.19H.
- 8. CHANGED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 ¾ SM, AND LNAV CAT C AND D VISIBILITY TO 1 3/8 SM" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM" - APPLIED NEW INOP TABLE.
- 9. CHANGED FAC FROM 073.72 TO 073.71 - PFAF RECALCULATED AND MOVED.
- 10. ADDED "20:1 IS CLEAR" - NO 20:1 PENETRATIONS EXIST PER EVALUATION.
- 11. CHART CIRCLING ICON - APPLIED EXPANDED CIRCLING.
- 12. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" NOTE - IAW 8260.19H.
- 13. CHANGED RNP VALUES FOR GASTO TO CEYAB AND IVANN TO ECIKI SEGMENTS FROM 2.00 TO 1.00 - RNP VALUES FOR IAPS CHANGED FROM 2.00 TO 1.00 PER 8260.58A PBN CRITERIA.
- 14. FPAP LAT/LONG CHANGED FROM 611004.3720N/1495821.5350W TO 611004.3785N/1495821.5345W - LTP COORDINATES REMAINED THE SAME; DERIVED VALUE FROM TARGETS 5.6.0.
- 15. CRC REMAINDER CHANGED FROM 4FD27ED7 TO FFAAEAB4 - FPAP LAT/LONG CHANGED.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, AMGR, ANC ATCT, ANC APP CON

<u>FLIGHT CHECKED BY</u> PENDING	<i>Digitally signed by</i> DAVID DANNER Aug 15, 2019	<u>OFFICE</u>	<u>DATE</u>	
<u>DEVELOPED BY</u> DAVID DANNER (TAYLOR GIBSON)	<i>Digitally signed by</i> DAVID DANNER Aug 15, 2019	<u>OFFICE</u> AJV-A421	<u>DATE</u> 03/29/2019	
<u>APPROVED BY</u> MARLON ROBINSON	<i>Digitally signed by</i> DAVID DANNER Aug 15, 2019	<u>OFFICE</u> AJV-A420	<u>DATE</u>	<u>TITLE</u> MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PANC
RUNWAY	RW07R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	611004.1215N
LTP/FTP LONGITUDE	1500234.3365W
LTP/FTP ELLIPSOIDAL HEIGHT	+00461
FPAP LATITUDE	611004.3785N
FPAP LONGITUDE	1495821.5345W
THRESHOLD CROSSING HEIGHT (TCH)	00054.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	107.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	FFAAEAB4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00401
FPAP ORTHOMETRIC HEIGHT	+00401



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
TED STEVENS ANCHORAGE INTL	PANC	RNAV (GPS) Y RWY 7R	5	ANCHORAGE	AK	151	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM GASTO TO CEYAB

<u>RNP</u>	<u>DISTANCE</u> 16.77	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.SHIP	610000.00N/1510500.00W	200	250	125	4E	1000				AT800	2000
2.OVER WATER	610000.00N/1510500.00W	0 (0)								AS1500	1500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:

FEEDER

FROM IVANN TO ECIKI

<u>RNP</u>	<u>DISTANCE</u> 7.77	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.AAO	612354.00N/1503830.00W	240	164	98	4E	1000				AT2360	3600
4.TERRAIN	612003.00N/1503142.00W	39 (0)								AS1500	1500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



INITIAL

FROM
CEYAB

TO
WEWWO

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.70											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.SHIP	610717.00N/1502844.00W		200	250	125	4E	1000				AT800	2000
6.OVER WATER	610717.00N/1502844.00W		0 (0)								AS1500	1500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:

INITIAL

FROM
ECIKI

TO
WEWWO

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	7.50											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.AAO	611612.00N/1502936.00W		230	164	98	4E	1000				AT760	2000
8.TERRAIN	611612.00N/1502936.00W		29 (0)								AS1500	1500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



INTERMEDIATE

FROM

WEWWO

TO

TULLI

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.70											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.AAO	610839.00N/1501318.00W		466	164	98	4E	500				AC98 AT536	1600
10.TERRAIN	610839.00N/1501318.00W		265 (300)								AS1000	1300

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
--------------	-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:

FINAL: LPV

FROM

TULLI

TO

RW07R

<u>RNP</u>	<u>DISTANCE</u> 4.44	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				332

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
--------------	-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY				
TED STEVENS ANCHORAGE INTL	PANC	RNAV (GPS) Y RWY 7R	5	ANCHORAGE	AK	151	RNAV				
MISSED APPROACH : LPV											
FROM DA				TO JUKEP							
RNP	DISTANCE	PAT	MAP	HAT		HMAS 164					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
12.AAO	610709.00N/1494918.00W	604	164	98	4E	1000					1700
13.TERRAIN	610709.00N/1494918.00W	404 (400)								AS1500	1900

COMPUTATIONS											
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM
DA

TO
JUKEP

RNP

DISTANCE

PAT

MAP

HAT

HMAS
487

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
11.POLE (02-000238)	610933.00N/1500202.00W	356	50	10	2B		ASC				3000
12.AAO	610709.00N/1494918.00W	604	164	98	4E	1000					1700
13.TERRAIN	610709.00N/1494918.00W	404 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

RW07R

TO

JUKEP

RNP	DISTANCE	PAT	MAP	HAT			HMAS 520					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
12.AAO	610709.00N/1494918.00W		604	164	98	4E	1000					1700
13.TERRAIN	610709.00N/1494918.00W		404 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
14.NAVAID (02-020897)	610923.45N/1500224.34W	1.30	549	397	20	10	1B	300			700
CATEGORY B											
14.NAVAID (02-020897)	610923.45N/1500224.34W	1.81	549	397	20	10	1B	300			700
CATEGORY C											
15.TOWER (02-000020)	611131.47N/1495408.48W	2.84	649	495	20	3	1A	300			800
CATEGORY D											
16.TOWER (02-000076)	610956.08N/1494943.14W	3.71	769	557	50	50	2D	300		AC50	920

CIRCLING REMARKS:



MSA

CENTER

RW07R

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	611521.00N/1490448.00W	063	28.4	7658	164	98	4E	1000		XP142	8800

MSA REMARKS:

XP 142 = RETAIN EXISTING MSA.

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TAA NOT USED, ATC REQUEST.

80' VEGETATION USED PER FPT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZAN ARTCC, ANC APP CON, ANC TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> PANC	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PANC	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
BACK UP ALTIMETER NOT PUBLISHED, REDUNDANT WEATHER SOURCES AVAILABLE.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
-----------------------	----------------------	----------------------	------------

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW07L - TDZ, MALSR, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH
RW07R - TDZ, ALSF-2, HIRL, C/LINE, TAXI WAY, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW15 - HIRL, C/LINE, ODALS, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW25L - HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW25R - HIRL, C/LINE, PAPI-4L	PIR-G	ROLL OUT
RW33 - HIRL, REIL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 131.7	<u>TCH</u> 54.8	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 71.5
---------------------------------	------------------------------------	--------------------	------------------------	--------------------------	---------------------------	--------------------

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -18C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -21C	<u>APT ISA</u> +14.7C
-----------------------------	------------------------------	--------------------	--------------------------

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2014-2018). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 957 HIGH TEMP 1262.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 33
20:1	
124 NAVAID (02-020544) 611017.26N/1495959.42W (0.32)	
Final Type	CIRCLING RWY 7L
20:1	
131 NAVAID (02-020574) 611011.13N/1500034.24W (3)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VISUAL AREA PENETRATIONS FIXED BY FUNCTION PER FPT: 124 NAVAID (02-020544) AND 131 NAVAID (02-020574).
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT</u> TED STEVENS ANCHORAGE INTL	<u>AIRPORT ID</u> PANC	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 7R	<u>AMDT NO.</u> 5	<u>CITY</u> ANCHORAGE	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 151	<u>FACILITY</u> RNAV
PART D: AIRSPACE							
DOCKET #							
ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE							
DISTANCE FROM	THLD	TO 1000FT POINT	3.18				
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20				
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	089.71				
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200				
DISTANCE FROM	THLD	TO 1500FT POINT	9.74				
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00				
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	089.55				
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	300				
THRESHOLD COORDINATES (IF STR-IN)	611004.12N/1500234.34W						
ARP COORDINATES	611026.71N/1495953.30W						
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 15 DISTANCE 1.63 NM						
FAF COORDINATES	611003.11N/1501144.18W						
FIX NAME COORDINATES							
REMARKS							

QUALITY

21

CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 10 of 11

<u>AIRPORT</u> TED STEVENS ANCHORAGE INTL	<u>AIRPORT ID</u> PANC	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 7R	<u>AMDT NO.</u> 5	<u>CITY</u> ANCHORAGE	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 151	<u>FACILITY</u> RNAV
PART E: PREPARED BY							
<u>NAME</u> DAVID DANNER (TAYLOR GIBSON)			<u>OFFICE</u> AJV-A421		<u>DATE</u> 03/29/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST	
<div>QUALITY 21 CHECKED</div>							

RADIO FIX AND HOLDING DATA RECORD

NAME: CEYAB

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 610514.90N/1503310.94W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE

RNAV (GPS) RWY 7L
RNAV (GPS) Y RWY 7R

FAC

PAT

AIRPORT IDENT

PANC
PANC

CITY

ANCHORAGE
ANCHORAGE

STATE

AK (US)
AK (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/15/2015

REASON FOR REVISION:

UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/06/2015

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 08/21/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY: ANC APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ECIKI

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 611515.28N/1503434.08W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
RNAV (GPS) RWY 7L
RNAV (GPS) Y RWY 7R

FAC PAT

AIRPORT IDENT
PANC
PANC

CITY
ANCHORAGE
ANCHORAGE

STATE
AK (US)
AK (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/15/2015

REASON FOR REVISION:

UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/06/2015

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 08/21/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY: ANC APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: GASTO

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 605638.36N/1510243.16W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ANCHORAGE	TED	VOR/DME	H	229.42	247.42	34.40	34.40		3000	45000
2	KENAI	ENA	VOR/DME	H	353.48	012.48	20.30	20.30		3000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ANCHORAGE (FAC 1) AND KENAI (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J511	1, 2				(US)
EN ROUTE	T223	1, 2				(US)
EN ROUTE	V462	1, 2				(US)
IAP	RNAV (GPS) RWY 7L		PANC		ANCHORAGE	AK (US)
IAP	RNAV (GPS) Y RWY 7R		PANC		ANCHORAGE	AK (US)

REQUIRED CHARTING: IAP, AREA, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 10/15/2015

REASON FOR REVISION:

UPDATED FAC 1 MAGVAR FROM 19E TO 18E; MAG BRG UPDATED FROM 228.42 TO 229.42.
DELETED "11-AAL-1" FROM AIRSPACE DOCKET.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/06/2015

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 08/21/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY: ANC APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: IVANN

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 612300.21N/1503425.31W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ANCHORAGE	TED	VOR/DME	H	288.39	306.39	22.00	22.00		2000	17500
2	BIG LAKE	BGQ	VORTAC	H	218.59	237.59	20.74	20.74		2000	17500

FIX RESTRICTIONS:

MCA V440/T246 5900 WESTBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ANCHORAGE (FAC 1) AND BIG LAKE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T246					(US)
EN ROUTE	V440	1, 2				(US)
IAP	ILS RWY 15	1, 2	PANC		ANCHORAGE	AK (US)
IAP	RNAV (GPS) RWY 15		PANC		ANCHORAGE	AK (US)
IAP	RNAV (GPS) RWY 7L		PANC		ANCHORAGE	AK (US)
IAP	RNAV (GPS) Y RWY 7R		PANC		ANCHORAGE	AK (US)

REQUIRED CHARTING: IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 10/15/2015

REASON FOR REVISION:

UPDATED FAC 1 MAGVAR FROM 19E TO 18E; CHANGED MAG BRG FROM 287.39 TO 288.39.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/06/2015

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 08/21/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY: ANC APP CON, ANC ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: JUKEP

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 610001.26N/1502029.03W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	ANCHORAGE	TED	VOR/DME	H	209.95	227.95	15.00	15.00	3000	17500
2	KENAI	ENA	VOR/DME	H	027.87	046.87	34.18	34.18	3000	17500
3	ELMENDORF	EDF	TACAN	H	209.63	227.63	22.63	22.63	3000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NE	TED	VOR/DME	029.95	209.95	R	1	3000 6000	5 6
2	NE	WP	WP	030.00	210.00	R	4	3000 6000	5 6
3	NE	ENA	VOR/DME	027.87	207.87	R	1	3000 6000	6 7
4	NE	EDF	TACAN	029.63	209.63	R	1	3000 6000	13 14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (02-020275)	610744.47N/1501334.55W	599	4D
2	200	WINDMILL (02-020275)	610744.47N/1501334.55W	599	4D
3	200	WINDMILL (02-020275)	610744.47N/1501334.55W	599	4D
4	310	AAO	610712.00N/1494912.00W	604	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

ANCHORAGE (FAC 1) USED TO ESTABLISH FIX COORDINATES.

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

310 KIAS SELECTED FOR HOLDING PATTERN 4 TO ACCOMMODATE INCREASED AIRSPEED HOLDING UTILIZED BY MILITARY AIRCRAFT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 7L	1, 2, 3	1, 3, 4	PANC	ANCHORAGE	AK (US)
IAP	ILS OR LOC RWY 7R	1, 2, 3	1, 3, 4	PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 15	1, 2, 3	1, 3, 4	PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 7L (SA CAT I-II)	1, 2, 3	1, 3, 4	PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 7R (CAT II-III)	1, 2, 3	1, 3, 4	PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 7R (SA CAT I)	1, 2, 3	1, 3, 4	PANC	ANCHORAGE	AK (US)
IAP	RNAV (GPS) RWY 15		2	PANC	ANCHORAGE	AK (US)
IAP	RNAV (GPS) RWY 7L		2	PANC	ANCHORAGE	AK (US)
IAP	RNAV (GPS) Y RWY 7R		2	PANC	ANCHORAGE	AK (US)
IAP	RNAV (RNP) Z RWY 7R		2	PANC	ANCHORAGE	AK (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/10/2019

REASON FOR REVISION:

1. UPDATED FIX MAKEUP FACILITIES - ADDED KENAI VOR(ENA) AND ELMENDORF TACAN (EDF) AS FIX MAKE UP FACILITIES.
2. ADDED HOLDING PATTERNS, ALTITUDES AND OBSTACLES FROM ENA AND EDF- ALTERNATE HOLDING PATTERNS ADDED TO ILS PROCEDURES AT PANC.
3. CHANGED MINIMUM HOLDING ALTITUDES FOR PAT 1 AND PAT 2 FROM 2500 TO 3000 - FPT REQUEST.
4. ADDED 3 AND 4 TO PAT UNDER FIX USE FOR ALL ILS PROCEDURES.
5. ADDED 2 TO FAC UNDER FIX USE FOR ALL ILS PROCEDURES.
6. ADDED ANCHORAGE (FAC 1) USED TO ESTABLISH FIX COORDINATES.
7. CHANGED MRA FROM 2000 TO 3000.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TAYLOR GIBSON

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:**NFDC****FPO:** WST**ARTCC:** ZAN**ATC FACILITY:** ANC APP CON, ANC ATCT**OTHER:**

RADIO FIX AND HOLDING DATA RECORD

NAME: TULLI

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 611003.11N/1501144.18W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ANCHORAGE	I-ANC	LOC/DME		253.85	269.85	6.67	6.69	40648	1600	3000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FAC 1 DME COORDINATES: 611002.02N/1495758.40W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 7R	1		PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 7R (CAT II-III)	1		PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 7R (SA CAT I)	1		PANC	ANCHORAGE	AK (US)
IAP	RNAV (GPS) Y RWY 7R			PANC	ANCHORAGE	AK (US)
IAP	RNAV (RNP) Z RWY 7R			PANC	ANCHORAGE	AK (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 10/10/2019

REASON FOR REVISION:

CHANGED MAA FROM 4500 TO 3000
MOVED FIX 5.89 FT EAST; UPDATED COORDINATES AND FEET FROM FACILITY.
UPDATED FIX USE - REMOVED "DME" FROM USE TITLE FOR ILS OR LOC RWY 7R.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TAYLOR GIBSON

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY: ANC APP CON, ANC ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WEWWO

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 611000.93N/1502330.68W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ANCHORAGE	I-ANC	LOC/DME		253.85	269.85	12.37	12.39		1600	3000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FAC 1 DME COORDINATES: 611002.02N/1495758.40W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 7R	1		PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 7R (CAT II)	1		PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 7R (CAT III)	1		PANC	ANCHORAGE	AK (US)
IAP	ILS RWY 7R (SA CAT I)	1		PANC	ANCHORAGE	AK (US)
IAP	RNAV (GPS) Y RWY 7R			PANC	ANCHORAGE	AK (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/10/2019

REASON FOR REVISION:

1. ADDED ILS 7R PROCEDURES TO FIX USE - WEWWO ADDED AS IF SDF.
2. ADDED DME TO FIX TYPE AND I-ANC AS A FIX MAKEUP FACILITY - WEWWO NOW DEFINED THROUGH DME FROM I-ANC FOR ILS OR LOC RWY 7R.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TAYLOR GIBSON

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY: ANC APP CON, ANC ATCT
OTHER: