

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR OR TACAN STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23

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 ID</u> PAKN	<u>PROCEDURE NAME</u> VOR Y OR TACAN Y RWY 30		<u>ORIGINAL/AMENDMENT</u> 12	<u>CITY</u> KING SALMON	<u>STATE</u> AK	
<u>AIRPORT ELEVATION</u> 73	<u>TDZE</u> 73	<u>SUPERSEDED</u> VOR Y OR TACAN Y RWY 30	<u>ORIGINAL/AMENDMENT</u> 11	<u>DATED</u> 02/25/2021	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> AKN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
AUB NDB		CASNO/15.02 DME					120.81	16.14	2900
AKN VORTAC		CASNO/15.02 DME					115.77	15.04	2900
OLAYA/15.00 DME CW	IAF	CACCA/15.00 DME	NOPT				15.00 DME ARC		2900
CACCA/15.00 DME CW	IAF	CASNO/15.02 DME	NOPT				15.00 DME ARC (AKN LR-108)		2900
OLLER/15.00 DME CCW	IAF	CASNO/15.02 DME	NOPT				15.00 DME ARC (AKN LR-124)		2900*
CASNO/15.02 DME	IF/IAF	FELUM/11.66 DME					295.77	3.36 (AKN R-116)	2200
FELUM/11.66 DME		CICAR/9.02 DME					295.77	2.64 (AKN R-116)	1400

MISSED APPROACH

MAP:

AKN 5.13 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 3000 ON HEADING 240 AND ON AKN VORTAC R-210 TO OLLER/15.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE CASNO, LT, 295.77 INBOUND, 2900 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 295.77 FAF: CICAR/9.02 DME DIST FAF TO MAP: DIST FAF TO THLD: 3.89
4. MIN ALT: CASNO/15.02 DME 2900, FELUM/11.66 DME 2200, CICAR/9.02 DME 1400, EPEYA/7.20 DME 800
8. MSA FROM: AKN VORTAC 4000

QUALITY
8
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PLANVIEW NOTE: * TERMINAL ROUTE OLLER (IAF) TO CASNO ON 15 DME ARC NA FOR TACAN ONLY EQUIPPED AIRCRAFT.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: MAXIMUM HOLDING AIRSPEED AT OLLER 230 KIAS.
HOLD SW, RT, 030.11 INBOUND.
CHART FAS OBST: 179 TREE 593941N/1563311W.
CHART VDP AT 6.26 DME
DISTANCE VDP TO THLD 1.13 NM.
CHART AKN R-026 AT OLAYA.
CHART AKN R-094 AT CACCA.
CHART AKN R-210 AT OLLER.
CHART CIRCLING ICON.
CICAR TO RW30: 3.10/45.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4, CAT E 900-3

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
S-30	480	1	407	480	1	407	480	1 1/8	407	480	1 1/8	407	480	1 1/8	407
CIRCLING	580	1	507	580	1	507	580	1 1/2	507	900	2 3/4	827	960	3	887

CHANGES - REASONS

- CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING LEFT TURN TO 3000 ON HEADING 222 AND ON AKN VORTAC R-210 TO OLLER/15.00 DME AND HOLD." TO "CLIMBING LEFT TURN TO 3000 ON HEADING 240 AND ON AKN VORTAC R-210 TO OLLER/15.00 DME AND HOLD." - 222 HEADING DOES NOT INTERCEPT OLLER UNTIL 8 MILES PAST THE HOLDING FIX.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAN, PAKN ATCT, AFLD MGR, AK AERO

FLIGHT CHECKED BY

BRANDON VANDERSCHAAF

Digitally signed by
ALLAN WILL
May 03, 2021

OFFICE

FICO

DATE

04/27/2021

DEVELOPED BY

JOSEPH BLANCO

Digitally signed by
JOSEPH A BLANCO
Feb 16, 2021

OFFICE

AJV-A423

DATE

02/09/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by
ALLAN WILL
May 03, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u> PAKN	<u>PROCEDURE NAME</u> VOR Y OR TACAN Y RWY 30	<u>AMDT NO.</u> 12	<u>CITY</u> KING SALMON	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 73	<u>FACILITY</u> AKN
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
AUB NDB

TO
CASNO/15.02 DME

<u>RNP</u>	<u>DISTANCE</u> 16.14	<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.AAO	583703.00N/1562418.00W	765	164	98	4E	1000				AT1135	2900
												2.TERRAIN	583703.00N/1562418.00W	565 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM
AKN VORTAC

TO
CASNO/15.02 DME

<u>RNP</u>	<u>DISTANCE</u> 15.04	<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.AAO	583703.00N/1562418.00W	765	164	98	4E	1000				AT1135	2900
												2.TERRAIN	583703.00N/1562418.00W	565 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL: ARC

FROM
OLAYA/15.00 DME CW

TO
CACCA/15.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.AAO	585130.00N/1561200.00W		1546	164	98	4E	1000				AT354	2900
4.TERRAIN	585130.00N/1561200.00W		1345 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: ARC STEPDOWN

FROM
CACCA/15.00 DME CW

TO
CASNO/15.02 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.AAO	583306.00N/1561442.00W		1211	164	98	4E	1000				AT689	2900
6.TERRAIN	583306.00N/1561442.00W		1010 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: ARC

FROM
OLLER/15.00 DME CCW

TO
CASNO/15.02 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.AAO	583312.00N/1561612.00W		1021	164	98	4E	1000				AT879	2900
8.TERRAIN	583312.00N/1561612.00W		821 (800)								AS1500	2300

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
CASNO/15.02 DME (IF/IAF)

TO
FELUM/11.66 DME

RNP	DISTANCE 3.36	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.AAO	583703.00N/1562418.00W		765	164	98	4E	500				AT837 AC98	2200
9.TERRAIN	583703.00N/1562418.00W		565 (600)								AS1500	2100

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

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM
FELUM/11.66 DME

TO
CICAR/9.02 DME

RNP	DISTANCE 2.64	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
10.AAO	583703.00N/1562454.00W		630	164	98	4E	500				AT172 AC98	1400
11.TERRAIN	583618.00N/1562736.00W		311 (300)								AS1000	1300

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

FINAL

FROM
CICAR/9.02 DME

TO
EPEYA/7.20 DME

RNP	DISTANCE 1.82	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12.AAO	583843.21N/1563053.80W		450	250	50	4D	250				AC50 DG50	800

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



FINAL: STEPDOWN

FROM

EPEYA/7.20 DME

TO

AKN 5.13 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	2.07		AKN 5.13 DME			407					
<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>
13.TREE	593941.46N/1563311.44W	179	250	50	4D	250				AC50	480

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

HOLD-IN-LIEU OF PT

FROM

CASNO

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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>
14.AAO	583309.00N/1561312.00W	1362	164	98	4E	1000				AT538	2900
15.TERRAIN	583309.00N/1561312.00W	1162 (1200)								AS1500	2700

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



MISSED APPROACH

FROM
AKN 5.13 DME

TO
OLLER/15.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 230					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
16.AAO	583745.00N/1565936.00W		515	164	98	4E	1000					1600
17.TERRAIN	583745.00N/1565936.00W		315 (300)								AS1500	1800

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
18.TOWER (02-000038)	584146.00N/1564002.00W	1.30	507	265	20	3	1A	300			580
CATEGORY B											
18.TOWER (02-000038)	584146.00N/1564002.00W	1.81	507	265	20	3	1A	300			580
CATEGORY C											
18.TOWER (02-000038)	584146.00N/1564002.00W	2.84	507	265	20	3	1A	300			580
CATEGORY D											
19.AAO	584115.00N/1563106.00W	3.71	827	499	164	98	4E	300		AC98	900
CATEGORY E											
20.AAO	584154.00N/1563100.00W	4.63	887	561	164	98	4E	300		AC98	960

CIRCLING REMARKS:



MSA

CENTER

AKN VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	584742.00N/1555130.00W	065	28.3	2920	164	98	4E	1000			4000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

30 FT VEGETATION USED IN VICINITY OF AIRPORT PER FPT CHECKLIST.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZAN ARTCC, PAKN TOWER, KENAI FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> PAKN	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PAKN	<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:
NO SUITABLE BACK-UP ALTIMETER EXISTS (COORDINATED WITH FPT)

<u>PRIMARY NAVAID</u> AKN VORTAC	<u>MONITOR POINT</u> POCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW18 - MIRL (PCL)	NPI-G	
RW36 - MIRL (PCL)	NPI-G	
RW12 - HIRL (PCL), PAPI-4L (PCL), SSALR (PCL)	PIR-P	APPROACH
RW30 - HIRL (PCL), PAPI-4L (PCL)	PIR-P	ROLL OUT

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 45.0
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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>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

* AKN TACAN AZIMUTH UNUSUABLE FROM RADIALS 130 TO 140 BEYOND 13 NM.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> PAKN	<u>PROCEDURE NAME</u> VOR Y OR TACAN Y RWY 30	<u>AMDT NO.</u> 12	<u>CITY</u> KING SALMON	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 73	<u>FACILITY</u> AKN
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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	3.56
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.87
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	311.77
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	8.29
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	6.40
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	311.77
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD
COORDINATES
(IF STR-IN)

584003.68N/1563747.63W

ARP COORDINATES

584035.38N/1563855.29W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 30 DISTANCE 0.79 NM

FAF
COORDINATES

583727.98N/1563214.84W

FIX NAME
COORDINATES

IF/IAF CASNO: 583327.50N/1562343.68W

REMARKS

QUALITY
8
CHECKED

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

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> JOSEPH BLANCO	<u>OFFICE</u> AJV-A423	<u>DATE</u> 02/09/2021	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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