

**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 ID</u> PAKN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> KING SALMON	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 73	<u>TDZE</u> 73	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 09/25/2008	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 212/30 CW 257/30	NOPT	GAKKE	IF/IAF	7000
2. 257/30 CW 336/30	NOPT	257/8 CW 336/8		7000
3. 257/8 CW 336/8	NOPT	GAKKE	IF/IAF	3700
4. 336/30 CW 031/30		GAKKE	IF/IAF	4000
5. 031/30 CW 121/30		HENAS	IAF	3200
6. 121/30 CW 211/30		ICADI	IAF	5000



TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HENAS	IAF	GAKKE	NOPT	TF	FB	1.00	031.02	6.00	3200
ICADI	IAF	GAKKE	NOPT	TF	FB	1.00	211.25	7.05	3200
GAKKE	IF/IAF	FELUM		TF	FB	1.00	301.13	6.26	2200
FELUM	FAF	KUMBE/2.33 NM TO RW30		TF	FB	0.30	301.00	4.21	
KUMBE/2.33 NM TO RW30		RW30	MAP	TF	FO	0.30	301.00	2.33	
RW30	MAP	273 MSL		CA			301.00		
273 MSL		HEXES		DF	FB	1.00			
HEXES		EXIPE		TF	FB	1.00	254.44	9.06	
EXIPE		OLLER		TF	FO	1.00	173.20	10.59	3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW30

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT HEXES AND ON TRACK 254.44 TO EXIPE AND ON TRACK 173.20 TO OLLER AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SE GAKKE, LT, 301.13	INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 14000.				
3. FAC: 301.00	FAF: FELUM		DIST FAF TO MAP: 6.54	DIST FAF TO THLD: 6.54	
4. MIN ALT:	GAKKE 3200, FELUM 2200, KUMBE/2.33 NM TO RW30 860*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.48	GS ANT:
6. MIN GP INCPT: 2200	GP ALT AT FAF :	FELUM 2200	OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 45.0		
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART NOTE: WHEN CONTROL TOWER CLOSED, INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS TO 1 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR CAT E ARRIVALS AT HENAS AND ICADI.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: MAXIMUM HOLDING AIRSPEED AT OLLER 230 KIAS.
CHART CIRCLING ICON
510 AAO 583621N/1562749W
HOLD SW, RT, 034.82 INBOUND.
CHART FAS OBST: 100 TREE 584010N/1563739W.
CHART VDP AT 0.75 NM TO RW30*
*LNAV ONLY.
WAAS CHANNEL # 77908
REFERENCE PATH ID: W30A
LTP HAE: 35.5 M



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
LPV DA	273	3/4	200	273	3/4	200	273	3/4	200	273	3/4	200	273	3/4	200	
LNAV/VNAV DA	323	3/4	250	323	3/4	250	323	3/4	250	323	3/4	250	376	7/8	303	
LNAV MDA	360	1	287	360	1	287	360	1	287	360	1	287	360	1	287	
CIRCLING	580	1	507	580	1	507	580	1 1/2	507	900	2 3/4	827	960	3	887	



CHANGES - REASONS

1. MAGVAR UPDATED FROM 16E TO 11E - UPDATED TO 2025 EPOCH YEAR
2. TAA - SECTOR 1 CHANGED FROM 206/30 CW 251/30 (5500) TO 212/30 CW 257/30 (7000) - MAGVAR CHANGE AND NEW OBSTACLE EVALUATION
3. TAA - SECTOR 2 CHANGED FROM 251/30 CW 316/30 (7000) TO 257/30 CW 336/30 (7000) - MAGVAR CHANGE
4. TAA - SECTOR 3 CHANGED FROM 251/15 CW 316/15 (4400) TO 257/8 CW 336/8 (3700) - MAGVAR CHANGE AND NEW OBSTACLE EVALUATION
5. TAA - SECTOR 4 CHANGED FROM 316/30 CW 026/30 (4400) TO 336/30 CW 031/30 (4000) - MAGVAR CHANGE AND NEW OBSTACLE EVALUATION
6. TAA - SECTOR 5 CHANGED FROM 026/30 CW 116/30 (3200) TO 031/30 CW 121/30 (3200) - MAGVAR CHANGE
7. TAA SECTOR 6 CHANGED FROM 116/30 CW 206/30 (4900) TO 121/30 CW 211/30 (5000) - MAGVAR CHANGE AND NEW OBSTACLE EVALUATION
8. TERMINAL ROUTES - HENAS TO GAKKE COURSE CHANGED FROM 026.02 TO 031.02 - MAGVAR CHANGE
9. TERMINAL ROUTES - ICADI TO GAKKE COURSE CHANGED FROM 206.25 TO 211.25 - MAGVAR CHANGE
10. TERMINAL ROUTES - GAKKE TO FELUM COURSE/DISTANCE CHANGED FROM 296.13/6.38 TO 301.13/6.26 - NEW CALCULATED PFAF LOCATION AS WELL AS MAGVAR CHANGE
11. TERMINAL ROUTES - ADDED STEPDOWN FIX KUMBE - ACHIEVE LOWER LNAV AND CIRCLING MINIMUMS
12. MISSED APPROACH CHANGED FROM "CLIMB TO 3000 DIRECT HEXES AND VIA 249.74 TRACK TO EXPIRE AND VIA 168.20 TRACK TO OLLER AND HOLD" TO "CLIMB TO 3000 DIRECT HEXES AND ON TRACK 254.44 TO EXIPE AND ON TRACK 173.20 TO OLLER AND HOLD" - TRACKS CHANGED DUE TO MAGVAR UPDATE
13. PROFILE LINE 2 - CHANGED FROM "HOLD SE GAKKE, LT, 296.13 INBOUND, 3200 FT. IN LIEU OF PT (IAF)" TO "HOLD SE GAKKE, LT, 301.13 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 14000" - MAGVAR CHANGE AS WELL AS CRITERIA REQUIREMENT FOR "MAX 14000" IAW 8260.19 PARA 8-6-7B(2)(A).
14. PROFILE LINE 3 - FAC CHANGED FROM 296.00 TO 301.00 - MAGVAR CHANGE
15. PROFILE LINE 4 - ADDED KUMBE 860 - ACHIEVE LOWER LNAV AND CIRCLING MINIMUMS
16. PROFILE LINE 5 - ADDED .48 TO 200 HAT - NEW OBSTACLE EVALUATION
17. PROFILE LINE 7 - 34:1 CHANGED FROM NOT CLEAR TO CLEAR - NEW OBSTACLE EVALUATION
18. REPLACED CHART NOTE "DME/DME RNP-0.3 NA" WITH "PBN REQUIREMENTS NOTE: RNP APCH". - CHANGED PER NAVSPEC REQUIREMENT IAW 8260.19H PARA 8-6-8.
19. NOTES - CHANGED NOTE "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25°C (-13°F) OR ABOVE 49°C (120°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19°C OR ABOVE 54°C" - IAW 8260.19H 8-6-7 S
20. NOTES - REMOVED CHART NOTE VISIBILITY REDUCTION BY HELICOPTERS NA - NEW OBSTACLE EVALUATIONS
21. ADDITIONAL FLIGHT DATA - ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA APPLIED
22. ADDITIONAL FLIGHT DATA - REMOVED FAS OBST 108 TREE AND 329 TREE AND REPLACED WITH 101 TREE 584002N/1563728W AND 510 AAO 583621N/1562749W - NEW OBSTACLE EVALUATION
23. ADDITIONAL FLIGHT DATA - ADDED CHART VDP AT .75 NM TO RW30 (LNAV ONLY) - VDP IS NOW PUBLISHABLE
24. CHANGED ALTERNATE MINS FROM STANDARD CAT E 800-2 ¼ TO STANDARD - CAT D 900-2 ¾, CAT E 900-3 - IAW 8260.3D 3-4-1 A(3).
25. LPV - DA/VIS/HAT ALL CATS CHANGED FROM 323/1/250 TO 273/ ¾ /200 - NEW TARGETS EVALUATION/VISCHECK EVAL
26. LNAV/VNAV - DA/VIS/HAT CAT A-D CHANGED FROM 358/1/285 TO 323/ ¾ /250 - NEW TARGETS EVALUATION/VISCHECK EVAL
27. LNAV/VNAV - DA/VIS/HAT CAT E CHANGED FROM 358/1/285 TO 376- 7/8 - 303 - NEW TARGETS EVALUATION/VISCHECK EVAL
28. LNAV - VIS CAT C/D/E CHANGED FROM 1 ½, 1 ¾, 1 ¾ TO 1 - 1 - 1 RESPECTIVELY - NEW VIS CHECK EVAL DUE TO LOWER MINIMUMS WITH STEPDOWN ADDED..
29. CIRCLING - MDA/VIS/HAA CAT A & B CHANGED FROM 600/1/527 TO 580/1/507 - APPLIED NEW CIRCLING CRITERIA, NEW OBSTACLE DATA
30. CIRCLING - MDA/VIS/HAA CAT C CHANGED FROM 600 - 1 ½ - 527 TO 580 - 1 ½ - 507 - APPLIED NEW CIRCLING CRITERIA, NEW OBSTACLE DATA
31. CIRCLING - MDA/VIS/HAA CATS D & E CHANGED FROM 640/2/567 & 720 - 2 ¼ - 647 TO 900 - 2 ¾ - 827 & 960/3/887 RESPECTIVELY - APPLIED NEW CIRCLING CRITERIA, NEW OBSTACLE DATA
32. PROFILE LINE 3 - DIST FAF TO MAP/THLD CHANGED FROM 6.42 TO 6.54 TO - NEW TARGETS EVAL
33. MISSED APPROACH INBOUND HOLDING AT OLLER CHANGED FROM 029.82 TO 034.82 - MAGVAR CHANGE
34. FAS DATA CHANGE - FPAP LAT/LONG CHANGED FROM 584102.9900N/1563954.7400W TO 584102.9885N/ 1563954.7415W - NEW FAS DATA.
35. FAS DATA CHANGE -VAL CHANGED FROM 50 TO 35 - NEW LPV HAT IS LESS THAN 250.
36. FAS DATA CHANGE - CRC REMAINDER CHANGED FROM E34AD282 TO ED125C22 - CHANGES TO FPAP LAT/LONG, AND VAL.
37. ADDED CHART NOTE: WHEN CONTROL TOWER CLOSED, INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS TO 1 SM - HIGHER VIS WHEN CONTROL TOWER CLOSED.
38. LNAV MDA/HAT CHANGED FROM 600/527 TO 360/287 - ADDED STEPDOWN FIX TO GET LOWER MINIMUMS.

11/17/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/12/20

1. ADDED PLANVIEW NOTE "PROCEDURE NA FOR CAT E ARRIVALS AT HENAS AND ICADI" - ADDED AT THE DIRECTION OF THE PRB DUE TO DTA ISSUES.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** AK AERO, ZAN, PAKN ATCT, AIRPORT MANAGER

Digitally signed by

FLIGHT CHECKED BY
DUSTIN CONNER WELSH

ALLAN WILL
Nov 20, 2020

OFFICE
FIOG

DATE
09/29/2020

Digitally signed by

DEVELOPED BY
JOSEPH BLANCO **JOSEPH A BLANCO**
Nov 17, 2020

OFFICE
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06/12/2020

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ALLAN WILL
Nov 20, 2020

OFFICE
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DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAKN
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	584003.6800N
LTP/FTP LONGITUDE	1563747.6300W
LTP/FTP ELLIPSOIDAL HEIGHT	+00355
FPAP LATITUDE	584102.9885N
FPAP LONGITUDE	1563954.7415W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	ED125C22

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00224
FPAP ORTHOMETRIC HEIGHT	+00224

