

**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.

<b><u>AIRPORT</u></b> ALLIANCE MUNI	<b><u>AIRPORT ID</u></b> KAIA	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 30	<b><u>ORIGINAL/AMENDMENT</u></b> 1A	<b><u>CITY</u></b> ALLIANCE	<b><u>STATE</u></b> NE
<b><u>AIRPORT ELEVATION</u></b> 3931	<b><u>TDZE</u></b> 3927	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 30	<b><u>ORIGINAL/AMENDMENT</u></b> 1	<b><u>DATED</u></b> 09/23/2010	<b><u>MAG VAR</u></b> 7E
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 8 NOVEMBER 2018	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 2020

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
EVENN		AYULI		TF	FB	2.00	212.52	13.32	6100
BFF VORTAC		ACEHO		TF	FB	2.00	086.71	35.36	6800
ACEHO	IAF	DEMTY	NOPT	TF	FB	1.00	037.39	5.00	6100
AYULI	IAF	DEMTY	NOPT	TF	FB	1.00	217.49	5.00	6100
JADOB	IAF	DEMTY	NOPT	TF	FB	1.00	341.03	18.58	6100
DEMTY	IF/IAF	EBEBY		TF	FB	1.00	307.44	6.08	5600
EBEBY	FAF	ZUNUB/2.40 NM TO RW30		TF	FB	0.30	307.37	2.62	
ZUNUB/2.40 NM TO RW30		RW30	MAP	TF	FO	0.30	307.37	2.40	
RW30	MAP	4127 MSL		CA			307.37		
4127 MSL		JIVAM		DF	FO	1.00			5900

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW30

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5900 DIRECT JIVAM AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE DENTY, RT, 307.44 INBOUND, 6100 FT. IN LIEU OF PT (IAF), MAX 10000.

3. FAC: 307.37 FAF: EBEBY DIST FAF TO MAP: 5.02 DIST FAF TO THLD: 5.02

4. MIN ALT: DENTY 6100, EBEBY 5600, ZUNUB/2.40 NM TO RW30 4740\*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.46 GS ANT:

6. MIN GP INCPT: 5600 GP ALT AT FAF : EBEBY 5600 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 54.9

8. MSA FROM: RW30 6800

PBN REQUIREMENTS NOTES:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C OR ABOVE 50C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BFF VORTAC AIRWAY RADIALS 358 CW 142.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 7/8 SM AND LNAV/VNAV CATS C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.33 NM TO RW30\*  
\*LNAV ONLY  
WAAS CHANNEL #82102  
REFERENCE PATH ID: W30A  
CHART FAS OBST: 4184 TREE 420212N/1024543W.  
HOLD NW, RT, 127.18 INBOUND  
LTP HAE: 1177.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	4127	1/2	200	4127	1 1/2	200	4127	1/2	200	4127	1/2	200			
LNAV/VNAV DA	4221	1/2	294	4221	1/2	294	4221	1/2	294	4221	1/2	294			
LNAV MDA	4400	1/2	473	4400	1/2	473	4400	1	473	4400	1	473			
CIRCLING	4400	1	469	4500	1	569	4520	1 1/2	589	4520	2	589			



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<b><u>CHANGES - REASONS</u></b>					
1. AMENDED PROCEDURE MAGVAR FROM 11E TO 7E - IN ACCORDANCE WITH FAAO 8260.19H, PARA 2-5-3B.					
2. INCREASED ALL MAGNETIC COURSES 4 DEGREES - COMPUTED USING UPDATED PROCEDURE MAGVAR.					
3. ADDED 20:1 IS CLEAR - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-7G(3).					
4. DELETED NOTE: DME/DME RNP-0.3 NA - REPLACED BY EQUIPMENT REQUIREMENT NOTE.					
5. ADDED PBN REQUIREMENTS NOTE: RNP APCH - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-8.					
6. DELETED NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV CAT D VISIBILITY TO 1 MILE - REPLACED BY UPDATED NOTE.					
7. ADDED NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 7/8 SM AND LNAV/VNAV CATS C/D VISIBILITY TO 1 3/8 SM - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-11O(3)(D).					
8. DELETED NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SCOTTSBLUFF ALTIMETER SETTING AND INCREASE ALL DA 91 FEET AND ALL MDA 100 FEET, INCREASE LNAV/VNAV CATS A, B, C AND LNAV CATS C, D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C 1/2 MILE AND CAT D 1/4 MILE - LOCAL ASOS IS ON WMSCR. BACK-UP ALTIMETER ADJUSTMENTS AND NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE DURING KAIA ASOS OUTAGES.					
9. DELETED NOTE: BARO-VNAV AND VDP NA WHEN USING SCOTTSBLUFF ALTIMETER SETTING - LOCAL ASOS IS ON WMSCR. BACK-UP ALTIMETER ADJUSTMENTS AND NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE DURING KAIA ASOS OUTAGES.					
10. REMOVED FAHRENHEIT VALUES FROM UNCOMPENSATED BARO-VNAV TEMPERATURE LIMITS AND AMENDED HIGH LIMIT FROM 41C TO 50C - FORMATTED IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-9S. HIGH TEMP CALCULATED USING AFS LOW/HIGH TEMPERATURE LIMIT CALCULATOR.					
11. ADDED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BFF VORTAC AIRWAY RADIALS 358 CW 142 - TURNS EXCEED 90 DEGREES.					
12. DELETED NOTE: CIRCLING TO RWY 8 NA AT NIGHT - NO LONGER REQUIRED, RWY 8 VISUAL SURFACE CLEAR OF PENETRATIONS.					
13. DELETED CHART FAS OBST: 3962 TREE 420209N/1024715W - LNAV/VNAV CONTROLLING OBSTACLE NO LONGER DOCUMENTED IN ADDITIONAL FLIGHT DATA.					
14. AMENDED LNAV CAT C VISIBILITY FROM 3/4 SM TO 1 SM - COMPUTED IN ACCORDANCE WITH FAAO 8260.3, TABLE 3-3-1.					
15. DELETED ALTERNATE MINIMUMS RESTRICTION NA WHEN LOCAL WEATHER NOT AVAILABLE - NO LONGER REQUIRED, LOCAL ASOS IS ON WMCSR.					
16: FAS DATA: AMENDED LTP LAT/LONG FROM 420232.5055N/1024739.6685W TO 420232.5065N/1024739.6675W - MATCH CURRENT AIRNAV VALUE.					
17. FAS DATA: AMENDED FPAP FROM 420336.1700N/1024907.1700W TO 420335.9995N/1024906.9380W - COMPUTED USING AFS FPAP CALCULATOR.					
18. FAS DATA: AMENDED LENGTH OFFSET FROM 0008 TO 0000 - COMPUTED USING AFS FPAP CALCULATOR.					
19. FAS DATA: AMENDED CRC REMAINDER FROM 84F1EE80 TO 9FF8E58F - COMPUTED USING AMENDED LTP LAT/LONG, FPAP LAT/LONG, AND LENGTH OFFSET VALUES.					



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZDV, AMGR

FLIGHT CHECKED BY

BRYAN VEIT

DEVELOPED BY

PETER R. GUIMOND

Digitally signed by  
PETER R GUIMOND  
Jun 14, 2018

APPROVED BY

JULIE MORGAN

OFFICE

FICO

OFFICE

AJV-5422

OFFICE

AJV-5420

DATE

8/29/18

DATE

06/14/2018

DATE

Digitally signed by  
ROBERT G HAMILTON  
Sep 04, 2018

TITLE

MANAGER

Digitally signed by  
ROBERT G HAMILTON  
Sep 04, 2018



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAIA
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	420232.5065N
LTP/FTP LONGITUDE	1024739.6675W
LTP/FTP ELLIPSOIDAL HEIGHT	+11774
FPAP LATITUDE	420335.9995N
FPAP LONGITUDE	1024906.9380W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	9FF8E58F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+11962
FPAP ORTHOMETRIC HEIGHT	+11962

