

**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> KALI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1G	<u>CITY</u> ALICE	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 178	<u>TDZE</u> 174	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1F	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 OCTOBER 2023	<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>
CRP VORTAC		EDERY		TF	FB	1.00	227.72	24.05	2600
EDERY	IAF	ITDAZ	NOPT	TF	FB	1.00	218.59	5.00	2600
LOCOE	IAF	ITDAZ	NOPT	TF	FB	1.00	314.86	23.23	2600
ITDAZ	IF/IAF	CITCU		TF	FB	1.00	308.56	6.00	1800
CITCU	FAF	RW31	MAP	TF	FO	0.30	308.52	4.91	
RW31	MAP	437 MSL		CA			308.52		
437 MSL		UWAGO		DF	FO	1.00			2100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2100 DIRECT UWAGO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE ITDAZ, RT, 308.56 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAC: 308.52FAF: CITCUDIST FAF TO MAP: 4.91DIST FAF TO THLD: 4.91

4. MIN ALT: ITDAZ 2600, CITCU 1800

5. DIST TO THLD FROM OM:MM:IM:150 HAT:263 HAT: 0.69GS ANT:

6. MIN GP INCPT: 1800GP ALT AT PFAF : CITCUOM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 47.0

8. MSA FROM: RW31 2200

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING NUECES COUNTY ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CRP VORTAC ON AIRWAY RADIALS 169 CW 305.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NUECES COUNTY ALTIMETER SETTING: INCREASE LPV DA TO 494 FEET, LNAV/VNAV DA TO 524 FEET; INCREASE ALL MDA 60 FEET AND LNAV CAT C AND D, AND CIRCLING CAT D VISIBILITY 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE ALL LPV AND LNAV/VNAV VISIBILITIES TO 7/8 SM.
CHART NOTE: FOR INOPERATIVE ALS WITH NUECES COUNTY ALTIMETER SETTING, INCREASE ALL LPV VISIBILITIES TO 7/8 SM AND LNAV CAT C AND D VISIBILITY TO 1 1/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 128.41 INBOUND.
CHART FAS OBST: 255 POWER LINE 274100N/0975800W.
CHART VDP AT 0.95 NM TO RW31.
WAAS CHANNEL # 81813
REFERENCE PATH ID: W31A
LTP HAE: 24.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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	437	3/4	263	437	3/4	263	437	3/4	263	437	3/4	263			
LNAV/VNAV DA	467	3/4	293	467	3/4	293	467	3/4	293	467	3/4	293			
LNAV MDA	520	3/4	346	520	3/4	346	520	3/4	346	520	3/4	346			
CIRCLING	600	1	422	640	1	462	700	1 1/2	522	900	2 1/4	722			



CHANGES - REASONS

1. INCORPORATED P-NOTAM 1/2273 FOR AMDT 1F; NEW CIRCLING CRITERIA.
2. INCORPORATED P-NOTAM 5/4863 FOR AMDT 1E; THRESHOLD ELEVATION TO TOUCHDOWN ZONE ELEVATION.
3. ADDED "MAX 14000" IN PROFILE LINE 2 -- UPDATED IAW UPDATED IAW 8260.19I, 8-6-7.B(2).
4. CHANGED DISTANCE TO THRESHOLD FROM 263 HAT FROM "0.68" TO "0.69" IN PROFILE LINE 5 -- TARGETS 7.1 CALCULATION.
5. CHANGED 34:1 FROM "IS NOT CLEAR" TO "IS CLEAR" AND ADDED "20:1 IS CLEAR" IN PROFILE LINE 7 -- TARGETS 7.1 EVALUATION CONFIRMS CLEAR.
6. DELETED CHART NOTE "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" -- UPDATED IAW 8260.19I, 8-6-8.B(2).
7. CHANGE UNCOMPENSATED BARO-VNAV NOTE FROM "...ABOVE 48C" TO "...ABOVE 54C" AND REMOVED FAHRENHEIT TEMPERATURES -- TARGETS 7.1 CALCULATION AND UPDATED IAW 8260.19I, 8-6-9.R.
8. CHANGED ARRIVAL PLANVIEW NOTE FROM "...169 CW 184" TO "...169 CW 305" -- GREATER THAN 90 DEGREE TURNS TO 228 COURSE TO EDERY IAW 8260.58B, 1-2-5.A(3).
9. CHANGED BACKUP ALTIMETER NOTE FROM "...LPV DA TO 493 FEET, LNAV/VNAV DA TO 523 FEET AND LNAV/VNAV VISIBILITY TO 7/8 SM" TO "...LPV DA TO 494 FEET, LNAV/VNAV DA TO 524 FEET" -- TARGETS 7.1 CALCULATION AND 8260.3E VISIBILITY TABLES.
10. CHANGED INOPERATIVE ALS NOTE FROM "FOR INOP MALs, INCREASE LPV ALL CATs VISIBILITY TO 7/8 MILE" TO "FOR INOPERATIVE ALS, INCREASE ALL LPV AND LNAV/VNAV VISIBILITIES TO 7/8 SM" -- UPDATED IAW 8260.19I, 8-6-11.O(3).
11. CHANGED INOPERATIVE ALS BACKUP ALTIMETER NOTE FROM "FOR INOP MALs...INCREASE LPV ALL CATs AND LNAV CATs C, D VISIBILITY TO 1 1/8 MILE" TO "FOR INOPERATIVE ALS...INCREASE ALL LPV VISIBILITIES TO 7/8 SM AND LNAV CATs C AND D VISIBILITY TO 1 1/8 SM" -- UPDATED IAW 8260.19I, 8-6-11.O(3) AND 8260.3E VISIBILITY TABLES.
12. CHANGED NOTE FROM "VDP NA WITH NUECES COUNTY ALTIMETER SETTING" TO "BARO-VNAV AND VDP NA WHEN USING NUECES COUNTY ALTIMETER SETTING" -- KRBO ALTIMETER IS REMOTE; 8260.19I, 8-6-9.3(8) AND (9).
13. DELETED "CHART FAS OBST: 197 TREE 274402N/0980101W" IN ADDITIONAL FLIGHT DATA -- LNAV/VNAV OBSTACLE; UPDATED IAW 8260.19I, 8-6-10.C.
14. CHANGED VDP DME FROM "0.96" TO "0.95" IN ADDITIONAL FLIGHT DATA -- TARGETS 7.1 CALCULATION.
15. DELETED "** LNAV ONLY" IN ADDITIONAL FLIGHT DATA -- UPDATED IAW 8260.19I, 1-1-5.F(12).
16. CHANGED CIRCLING CAT C CMDA/HAA FROM "680/502" TO "700/522" -- NEW CONTROLLING OBSTACLE.
17. TERMINAL ROUTES: UPDATED CA ALTITUDE FROM 430 TO 437 - 8260.58 3-5-2B.
18. DELETED NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA - 34:1 IS CLEAR.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZHU, KINGSVILLE APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
JASON KRETSCHMER
Jul 10, 2023

DEVELOPED BY

ALLAN WILL (DANIEL C JOHNSEN)

Digitally signed by
JASON KRETSCHMER
Jul 10, 2023

OFFICE

AJV-A423

DATE

04/24/2023

APPROVED BY

ALLAN WILL

Digitally signed by
JASON KRETSCHMER
Jul 10, 2023

OFFICE

AJV-A423

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KALI
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	274401.5200N
LTP/FTP LONGITUDE	0980114.4000W
LTP/FTP ELLIPSOIDAL HEIGHT	+00243
FPAP LATITUDE	274504.1300N
FPAP LONGITUDE	0980226.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00047.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5FB6637C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00507
FPAP ORTHOMETRIC HEIGHT	+00507