

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR 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> KALI	<u>PROCEDURE NAME</u> VOR RWY 31		<u>ORIGINAL/AMENDMENT</u> 13G	<u>CITY</u> ALICE	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 178	<u>TDZE</u> 174	<u>SUPERSEDED</u> VOR RWY 31	<u>ORIGINAL/AMENDMENT</u> 13F	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> ALI	<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>
CARTI		ALI VOR					170.85	25.35	2000
CRP VORTAC		ALI VOR					243.39	32.20	2000
POGOE INT		ALI VOR					275.06	31.82	2200

MISSED APPROACH

MAP:
ALI VOR

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2000 DIRECT ALI VOR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT R SIDE OF COURSE 145.25 OUTBOUND 1900 FT WITHIN 10 MILES OF ALI VOR (IAF)
2.
3. FAC: 325.25 FAF: DIST FAF TO MAP: DIST FAF TO THLD:
4. MIN ALT:
8. MSA FROM: ALI VOR 2200

EQUIPMENT REQUIREMENTS NOTES:

NOTES:



CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NUECES COUNTY ALTIMETER SETTING: INCREASE ALL MDA 60 FEET AND VISIBILITY S-31 CATS C AND D AND CIRCLING CAT D 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-31 CATS C AND D VISIBILITY TO 1 3/8 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING NUECES COUNTY ALTIMETER SETTING, INCREASE S-31 CATS C AND D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 084.00 INBOUND.
CHART FAS OBST: 435 TOWER 274011N/0975500W.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.

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
S-31	620	3/4	446	620	3/4	446	620	1	446	620	1	446			
CIRCLING	620	1	442	640	1	462	700	1 1/2	522	900	2 1/4	722			

CHANGES - REASONS

- 1. INCORPORATED P-NOTAM 1/2272 FOR AMDT 13F; NEW CIRCLING CRITERIA AND ALTERNATE MINIMUMS.
- 2. INCORPORATED P-NOTAM 7/6033 FOR AMDT 13E; POGOE TO ALI FEEDER ROUTE.
- 3. INCORPORATED P-NOTAM 5/4861 FOR AMDT 13D; THRESHOLD ELEVATION TO TOUCHDOWN ZONE ELEVATION.
- 4. INCORPORATED P-NOTAM 8/7299 FOR AMDT 13A; MSA FROM ALI VOR.
- 5. CHANGED INOPERATIVE ALS NOTES FROM "FOR INOP ALS...CATS C, D..." TO "FOR INOPERATIVE ALS...CATS C AND D..." -- UPDATED IAW 8260.19I, 8-6-11.O(3).
- 6. CHANGED FAC CROSSES RWY C/L FROM "3001" TO "3000" IN ADDITIONAL FLIGHT DATA -- UPDATED TARGETS 7.1 CALCULATION.
- 7. CHANGED CIRCLING CAT C CMDA/HAA FROM "680/502" TO "700/522" -- NEW CONTROLLING OBSTACLE.
- 8. DELETED NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA - 34:1 IS CLEAR.

8/22/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 7/10/2023.
1. ADDED "HOLD W, LT, 084.00 INBOUND" IN ADDITIONAL FLIGHT DATA -- CORRECTED MISSING MA HOLDING ENTRY.

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

DEVELOPED BY
ALLAN WILL (DANIEL C JOHNSEN)

APPROVED BY
ALLAN WILL

OFFICE

OFFICE
AJV-A423

DATE
Aug 23, 2023

OFFICE
AJV-A423

Digitally signed by
JASON KRETSCHMER
Aug 23, 2023

Digitally signed by
JASON KRETSCHMER
Aug 23, 2023

DATE
Digitally signed by
JASON KRETSCHMER
Aug 23, 2023

DATE
04/21/2023

DATE
TITLE
MANAGER



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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KALI	VOR RWY 31	13G	ALICE	TX	178	ALI

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
CARTI

TO
ALI VOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	25.35											
<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.TWR (44-7913)	280203.00N/0980550.00W		783	500	50	5D	1000				DG217	2000
2.TERRAIN	281206.00N/0980709.00W		368 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM
CRP VORTAC

TO
ALI VOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	32.20											
<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.TWR (44-4973)	274638.00N/0975518.00W		665	100	20	3C	1000				DG335	2000
4.TERRAIN	274806.00N/0980233.00W		197 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:



FEEDER

FROM

POGOE INT

TO

ALI VOR

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	31.82											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (48-005615)	273934.18N/0973412.77W		1104	20	10	1B	1000					2200
6.TERRAIN	274815.00N/0980000.00W		178 (200)	500	50	5D					AS1500	1700

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

SEGMENT REMARKS:

FINAL: PT

FROM

10 NM

TO

ALI VOR

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	10.00		ALI VOR	446								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (48-003752)	274011.00N/0975500.00W		435	500	50	5D	300				AC50 SA-182	620

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

SEGMENT REMARKS:



PROCEDURE TURN

FROM
ALI VOR

TO
10 NM

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
8.TWR (44-3536)	274759.00N/0980807.00W		839	500	50	5D	1000					1900
9.TERRAIN	274406.00N/0981000.00W		270 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH

FROM
ALI VOR

TO
ALI VOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 320					
<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				2000

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											
10.POLE (48-027729)	274547.25N/0980246.02W	1.30	442	299	20	3	1A	300		SI	620
CATEGORY B											
11.TOWER (48-174203)	274623.53N/0980211.10W	1.81	462	334	20	3	1A	300			640
CATEGORY C											
12.TOWER (48-186959)	274340.78N/0980457.58W	2.85	522	399	20	3	1A	300			700
CATEGORY D											
13.TOWER (48-001741)	274520.00N/0980605.00W	3.71	722	585	100	20	3C	300			900

CIRCLING REMARKS:

MSA

CENTER
ALI VOR

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (48-002800)	275129.58N/0983248.24W	278	28.8	1122	50	20	2C	1000			2200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
KINGSVILLE APP CON, ZHU ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KALI	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KALI	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KRBO	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KRBO	<u>DISTANCE</u> 18.02	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0

WX REMARKS:

<u>PRIMARY NAVAID</u> ALI VOR	<u>MONITOR POINT</u> MOCC	<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>
RW13 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW17 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW31 - MALS (PCL), MIRL (PCL)	NPI-G	
RW35 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	

<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>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	3000	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒		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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KALI	PROCEDURE NAME VOR RWY 31	AMDT NO. 13G	CITY ALICE	STATE TX	AIRPORT ELEVATION 178	FACILITY ALI
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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	7.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	331.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	331.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	200

THRESHOLD
COORDINATES
(IF STR-IN)

274401.52N/0980114.40W

ARP COORDINATES

274427.20N/0980137.00W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 31 DISTANCE 0.54 NM

FAF
COORDINATES

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
20
CHECKED

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

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> ALLAN WILL (DANIEL C JOHNSEN)	<u>OFFICE</u> AJV-A423	<u>DATE</u> 04/21/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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