

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25**

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> LOC/DME RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-F	<u>CITY</u> ALICE	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 178	<u>TDZE</u> 174	<u>SUPERSEDED</u> LOC/DME RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-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>
ALI VOR		CITCU INT/I-ALI 6.06 DME					131.06	5.20	2000
CRP VORTAC		CITCU INT/I-ALI 6.06 DME					234.48	30.36	2100

MISSED APPROACH

MAP:

I-ALI 1.15 DME

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 128.49 OUTBOUND 2000 FT WITHIN 10 MILES OF CITCU INT/I-ALI 6.06 DME (IAF)

2.

3. FAC: 308.49 FAF: CITCU INT/I-ALI 6.06 DME DIST FAF TO MAP: DIST FAF TO THLD: 4.91

4. MIN ALT: CITCU INT/I-ALI 6.06 DME 1800

8. MSA FROM: ALI VOR 2200

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY FROM CORPUS CHRISTI CRP VORTAC.

NOTES:

CHART NOTE: VDP NA WHEN USING NUECES COUNTY ALTIMETER SETTING.



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

ADDITIONAL FLIGHT DATA:

CHART: A-632C
CHART 2000 PRIOR TO CITCU IN PROFILE.
HOLD NW, RT, 131.00 INBOUND.
CHART FAS OBST: 255 POWER LINE 274100N/0975800W.
CHART VDP AT 2.10 DME.
DISTANCE VDP TO THLD 0.95 NM.
CITCU TO RW31: 3.04/47.

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	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

- INCORPORATED P-NOTAM 1/2298 FOR AMDT ORIG-E; NEW CIRCLING CRITERIA AND INOPERATIVE ALS NOTE.
- INCORPORATED P-NOTAM 5/4862 FOR AMDT ORIG-D; THRESHOLD ELEVATION TO TOUCHDOWN ZONE ELEVATION.
- ADDED "(VGSI ANGLE {ANGLE}/TCH {FEET})" TO VGSI NOT COINCIDENT NOTE -- UPDATED IAW 8260.19I, 8-6-9.M(2).
- CHANGED CHART VDP FROM "2.12 DME" TO "2.10 DME" AND DISTANCE VDP TO THLD FROM "0.96" TO "0.95" IN ADDITIONAL FLIGHT DATA -- UPDATED CALCULATION.
- CHANGED CIRCLING CAT C CMDA/HAA FROM "680/502" TO "700/522" -- NEW CONTROLLING OBSTACLE.
- DELETED CHART NOTE: FOR INOPERATIVE MALS, INCREASE S-31 CATS C,D VISIBILITY TO 1 MILE -- 8260.3E, 3-3-2.E(3).
- UPDATED BACKUP ALTIMETER NOTE FROM CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NUECES COUNTY ALTIMETER SETTING: INCREASE ALL MDAS 60 FT AND VISIBILITY CATS C AND D 1/4 MILE TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NUECES COUNTY ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND S-LOC 31 VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM --IAW 8260.19I 8-6-9.F.

- 8/22/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 7/10/2023.
- DELETED "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" -- NO VGSI FOR RWY 31.
 - CHANGED "...2000 ON DIRECT ALI" TO "...2000 DIRECT ALI" IN MA INSTRUCTIONS -- CORRECTED VERBIAGE.

COORDINATED WITH:

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

FLIGHT CHECKED BY
JEFFREY A FINDLEY

Digitally signed by
JASON KRETSCHMER
Aug 23, 2023

OFFICE
FPO
DATE
07/27/2023

DEVELOPED BY
ALLAN WILL (DANIEL C JOHNSEN)

Digitally signed by
JASON KRETSCHMER
Aug 23, 2023

OFFICE
AJV-A423
DATE
04/26/2023

APPROVED BY
ALLAN WILL

Digitally signed by
JASON KRETSCHMER
Aug 23, 2023

OFFICE
AJV-A423

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u> KALI	<u>PROCEDURE NAME</u> LOC/DME RWY 31	<u>AMDT NO.</u> ORIG-F	<u>CITY</u> ALICE	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 178	<u>FACILITY</u> I-ALI
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
ALI VOR

TO
CITCU INT/I-ALI 6.06 DME

<u>RNP</u>	<u>DISTANCE</u> 5.20	<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.TOWER (44-9461)	274129.00N/0980409.00W	460	500	50	5D	1000				AT540	2000
												2.TERRAIN	274212.00N/0980345.00W	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
CRP VORTAC

TO
CITCU INT/I-ALI 6.06 DME

<u>RNP</u>	<u>DISTANCE</u> 30.36	<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>
												3.TOWER (44-4826)	274512.00N/0973815.00W	1049	500	50	5D	1000				AT51	2100
												4.TERRAIN	274424.00N/0975845.00W	155 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE: PT

FROM
10 NM

TO
CITCU INT/I-ALI 6.06 DME

RNP	DISTANCE 6.06	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (44-3752)	274011.00N/0975500.00W		435	500	50	5D	500				AT865	1800
6.TERRAIN	274112.00N/0975645.00W		128 (100)								AS1500	1600

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

SEGMENT REMARKS:

FINAL

FROM
CITCU INT/I-ALI 6.06 DME

TO
I-ALI 1.15 DME

RNP	DISTANCE 4.91	PAT	MAP I-ALI 1.15 DME	HAT 346			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.POWER LINE	274100.00N/0975800.00W		255	50	20	2C	250					520

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

SEGMENT REMARKS:



ENTRY ZONE

FROM
CITCU INT/I-ALI 6.06 DME

TO
10 NM

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
8.TOWER (44-3868)	273905.00N/0980458.00W		689	500	50	5D	1000				AT311	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM
CITCU INT/I-ALI 6.06 DME

TO
10 NM

<u>RNP</u>	<u>DISTANCE</u>	<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>
9.TOWER (44-3279)	275448.00N/0975141.00W		497	500	20	5C	1000				AT503	2000
10.TERRAIN	273924.00N/0975830.00W		148 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH

FROM

I-ALI 1.15 DME

TO

ALI VOR

RNP	DISTANCE	PAT	MAP	HAT			HMAS 270					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2000
11.TOWER (44-3536)	274759.00N/0980807.00W		839	500	20	5C	1000					1900
12.TERRAIN	274727.00N/0981021.00W		276 (300)								AS1500	1800

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											
13.POLE (48-027729)	274547.25N/0980246.02W	1.30	422	299	20	3	1A	300			600
CATEGORY B											
14.TOWER (48-174203)	274623.53N/0980211.10W	1.81	462	334	20	3	1A	300			640
CATEGORY C											
15.TOWER (48-186959)	274340.78N/0980457.58W	2.85	522	399	20	3	1A	300			700
CATEGORY D											
16.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:

VEGETATION HEIGHT: 40 FEET PER FPO.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZHU ARTCC, KINGSVILLE APP CON, FTW FSS

<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> 57

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KALI 178.2, KRBO 79.0
RA = 55.38.

<u>PRIMARY NAVAID</u> I-ALI	<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	☒	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:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
OBSTACLE 7: LOC FINAL CONTROLLING OBSTACLE DETERMINED BY TOPOZONE AND CONTACT WITH LOCAL POWER COMPANY. INFORMATION OBTAINED FROM RNAV (GPS) RWY 31, ORIG.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KALI	PROCEDURE NAME LOC/DME RWY 31	AMDT NO. ORIG-F	CITY ALICE	STATE TX	AIRPORT ELEVATION 178	FACILITY I-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	2.91
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.85
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	314.49
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	4.71
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.24
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	314.49
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

274034.41N/0975717.65W

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

NAME ALLAN WILL (DANIEL C JOHNSEN)	OFFICE AJV-A423	DATE 04/26/2023	TITLE AERONAUTICAL INFORMATION SPECIALIST
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