

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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.

AIRPORT ID LAS	PROCEDURE NAME RNAV (RNP) Z RWY 19R	ORIGINAL/AMENDMENT 1	CITY LAS VEGAS	STATE NV
AIRPORT ELEVATION 2181	TDZE 2117	SUPERSEDED RNAV (RNP) Z RWY 19R	DATED 02/25/2021	MAG VAR 11E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 31 OCTOBER 2024	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2020
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PPENN	IAF	KIVEY		TF	FB	0.50	263.48	2.28	5300
KIVEY	IF	MOBBB		TF	FB	0.50	262.51	4.17	3900
MOBBB		GIMBL	PFAF	TF	FB	0.50	257.97	2.06	3500
GIMBL	PFAF	* HIRLR		TF	FB	0.30	249.75	0.65	
HIRLR		* CEGIL		RF	FB	0.30	(1.29 NM RADIUS CCW (CFFLT))	1.25	
CEGIL		* RW19R	MAP	TF	FB	0.30	193.93	1.99	
RW19R	MAP	SIROE		TF	FB	0.30	193.92	1.20	
SIROE		ZOLAV		TF	FB	0.40	193.92	1.00	
ZOLAV		RACOR		TF	FB	1.00	193.92	5.22	
RACOR		MATLR		TF	FO	1.00	171.33	8.79	7000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 7000 ON THE RNAV MISSED APPROACH ROUTE TO MATLR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.
#MISSED APPROACH REQUIRES MINIMUM CLIMB OF 273 FEET PER NM TO 2940.
##MISSED APPROACH REQUIRES MINIMUM CLIMB OF 235 FEET PER NM TO 2960.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. PROFILE STARTS AT KIVEY
- 3. **FAC:** * **PFAF:** GIMBL **DIST PFAF TO MAP:** **DIST PFAF TO THLD:**
- 4. **MIN ALT:** KIVEY 5300, MOBBB 3900, GIMBL 3500
- 5. **DIST TO THLD FROM PFAF:** 3.89 **MM:** **IM:** **150 HAT:** **441 HAT:** 1.15 **GS ANT:**
- 6. **MIN GP INCPT:** 3500 **GP ALT AT PFAF:** GIMBL 3500, HIRLR 3277, CEGIL 2846 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.24 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 75.0
- 8. **MSA FROM:** RW19R 13200

PBN REQUIREMENTS NOTE:

RNP AR APCH – GPS, RF, MIN RNP 0.50. AUTHORIZATION REQUIRED. MISSED APPROACH REQUIRES RNP < 1.00.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 0°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE AT PPENN: (RNP 0.5).
 CHART SPEED ICON IN PLANVIEW AT PPENN: MAX 190 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT PPENN

HOLD N, LT, 172.13 INBOUND.

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
AUTHORIZATION REQUIRED																
RNP 0.10 DA#	2558	1 3/8	441	2558	1 3/8	441	2558	1 3/8	441	2558	1 3/8	441				
RNP 0.20 DA##	2608	1 3/8	491	2608	1 3/8	491	2608	1 3/8	491	2608	1 3/8	491				
RNP 0.30 DA	2669	1 5/8	552	2669	1 5/8	552	2669	1 5/8	552	2669	1 5/8	552				



CHANGES - REASONS

1. AIRPORT ID CHANGED FROM KLAS TO LAS – IAW 8260.19J, PARA 8-6-2
 2. TERMINAL ROUTES – CHANGED DISTANCE FROM MOB BB TO GIMBL FROM 2.01 TO 2.06 – PFAF RELOCATED
 3. TERMINAL ROUTES – ADDED LEG FROM SIROE TO ZOLAV – ATC REQUESTED REDESIGN
 4. TERMINAL ROUTES – ADDED LEG FROM ZOLAV TO RACOR – ATC REQUESTED REDESIGN
 5. MISSED APPROACH INSTRUCTIONS – CHANGED MISSED CLIMB GRADIENT FROM “MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 3000” TO “MISSED APPROACH REQUIRES MINIMUM CLIMB OF 273 FEET PER NM TO 2940 & MISSED APPROACH REQUIRES MINIMUM CLIMB OF 235 FEET PER NM TO 2960.” – PER FPT/ATC REQUEST
 6. PROFILE LINE 6: GP ALT AF PFAF CHANGED FROM GIMBL 3500, HIRLR 3183, CEGIL 2803 TO GIMBL 3500, HIRLR 3277, CEGIL 2846 - FIX RELOCATIONS AND PER FPT/ATC REQUEST
 7. PROFILE LINE 8 – MSA CHANGED FROM RW19L 12900 TO RW19L 13200 – NEW CONTROLLING MSA OBS
 8. PBN REQUIREMENTS NOTE – REMOVED RNP AR APCH & RF REQUIRED AND REPLACED WITH RNP AR APCH – GPS, RF, MIN RNP 0.50. AUTHORIZATION REQUIRED – IAW 8260.19J, PARA 8-6-8, B
 9. NOTES – MOVED NOTE “MISSED APPROACH REQUIRES RNP LESS THAN 1.0” TO PBN REQUIREMENTS NOTE SECTION - IAW 8260.19J, PARA 8-6-8, D
 10. NOTES – CHANGED SPEED RESTRICTION AT PPENN FROM MAX 210 KIAS TO 190 KIAS – ATC REQUESTED
 11. ADDITIONAL FLIGHT DATA CHANGED HOLDING FROM HOLD N, LT, 172.13 INBOUND TO HOLD N, LT, 172.00 INBOUND – ATC REQUESTED
 12. MINIMUMS – REMOVED RNP 0.30* LINES OF MINIMA – ATC REQUESTED
 13. MINIMUMS – CHANGED RNP 0.20DA DA/HAT FROM 2576/459 TO 2608/491, SYMBOL UPDATED TO ## – NEW MA CG/CGTA PER FPT/ATC REQUEST
 14. TERMINAL ROUTES: GIMBL TO HIRLE COURSE/DISTANCE CHANGED FROM 243.20/0.92 TO 249.75/0.65 - FIX GIMBL AND HIRLR RELOCATED TO MEET CURRENT CRITERIA.
 15. TERMINAL ROUTES: HIRLR TO CEGIL COURSE CHANGED FROM 1.28 NM RADIUS TO 1.29 NM RADIUS AND DISTANCE CHANGED FROM 1.10 TO 1.25 - FIX HIRLR AND CEGIL RELOCATED TO MEET CURRENT CRITERIA.
 16. TERMINAL ROUTES: CEGIL TO RW19R DISTANCE CHANGED FROM 1.86 TO 1.99 - FIX CEGIL RELOCATED.
 17. TERMINAL TROUTES: RW19R TO SIROE DISTANCE CHANGED FROM 2.00 TO 1.20 - FIX SIROE RELOCATED PER FPT/ATC REQUEST.
- TERMINAL ROUTES: RACOR TO MATLR COURSE/DISTANCE CHANGED FROM 171.22/8.00 TO 171.33/8.79 - FIX MATLR RELOCATED PER FPT/ATC REQUEST

08/28/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/24/2024.

1. MISSED APPROACH INSTRUCTIONS - SWAPPED THE # & ## NOTATIONS - THE NOTATIONS WERE TRANSPOSED FOR THE RNP 0.10 AND RNP 0.20.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZLA, LAS APP CON, LAS ATCT, AMGR

Digitally signed by

FLIGHT CHECKED BY

GARY J VEER

JOSEPH L ZEDER

Aug 28, 2024

OFFICE

FPO

DATE

08/21/2024

DEVELOPED BY

JOSEPH BLANCO

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JOSEPH A BLANCO

Jul 02, 2024

OFFICE

AJV-A432

DATE

04/24/2024

APPROVED BY

BEV L BORDY

Digitally signed by
JOSEPH L ZEDER

Aug 28, 2024

OFFICE

AJV-A430

DATE

TITLE
MANAGER

