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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
KLAS	RNAV (GPS) Y RWY 19R	3A	LAS VEGAS	NV

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
2181	2117	RNAV (GPS) Y RWY 19R	3	02/25/2021	11E	2020

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
RNAV		22 APRIL 2021	ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LAPIN		STORA		TF	FO	1.00	302.44	15.75	6000
SUVIE	IAF	STORA	NOPT	TF	FB	1.00	241.78	9.85	6000
STORA	IF/IAF	MOZOS		TF	FB	1.00	203.98	4.30	5300
MOZOS		WAKSI		TF	FB	1.00	205.27	4.42	4300
WAKSI	FAF	RW19R	MAP	TF	FO	0.30	193.95	6.25	
RW19R	MAP	2600 MSL		CA			193.95		2600
2600 MSL		LAPIN		DF	FO	1.00			6000

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW19R

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 2600 THEN CLIMBING LEFT TURN TO 6000 DIRECT LAPIN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY 8 CHECKED

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
KLAS	RNAV (GPS) Y RWY 19R	3A	LAS VEGAS	NV

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)

2. HOLD NE STORA, LT, 203.98 INBOUND, 6000 FT. IN LIEU OF PT (IF/IAF), MAX 6000.

3. FAC: 193.95 **FAF:** WAKSI **DIST FAF TO MAP:** 6.25 **DIST FAF TO THLD:** 6.25

4. MIN ALT: STORA 6000, MOZOS 5300, WAKSI 4300

5. DIST TO THLD FROM OM: **MM:** **IM:** **150 HAT:** **250 HAT:** 0.63 **GS ANT:**

6. MIN GP INCPT: 4300 **GP ALT AT FAF :** WAKSI 4300 **OM:** **MM:** **IM:**

7. GP ANGLE: 3.24 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 60.0

8. MSA FROM: RW19R 12900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 19R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LAPIN ON V21 SOUTH BOUND AND ON V562 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUVIE ON V394 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 070.15 INBOUND.
CHART FAS OBST: 2590 BUILDING 360624N/1150959W.
CHART VDP AT 1.77 NM TO RW19R*
*LNAV ONLY.
WAAS CHANNEL # 50142
REFERENCE PATH ID: W19B
CHART CIRCLING ICON.
LTP HAE: 608.5 M

MINIMUMS:

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

ALTERNATE: **NA** ☐ CAT A, B 900-2, CAT C 1000-2 3/4, CAT D 1400-3

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	2367	3/4	250	2367	3/4	250	2367	3/4	250	2367	3/4	250			
LNAV/VNAV DA	2743	1 3/4	626	2743	1 3/4	626	2743	1 3/4	626	2743	1 3/4	626			
LNAV MDA	2840	1	723	2840	1	723	2840	2	723	2840	2	723			
CIRCLING	3020	1 1/4	839	3060	1 1/4	879	3100	2 3/4	919	3540	3	1359			

QUALITY 8 CHECKED

CHANGES - REASONS

1. CHANGED PBN REQUIREMENTS NOTE FROM RNP APCH TO RNP APCH - GPS - REQUIRED DOCUMENTATION BY 8260.19I PARA 8-6-8B CRITERIA.
2. CHANGED VGSI NON-COINCIDENT CHART PROFILE NOTE FROM DESCENT ANGLES TO RNAV GLIDEPATH - RNAV PROCEDURE WITH PRECISION MINIMUMS.

COORDINATED WITH:

A4A [X] ALPA [X] AOPA [X] APA [X] HAI [ ] NBAA [X] **OTHER:** ZLA, LAS APP CON, LAS ATCT, NV AERO, AMGR

FLIGHT CHECKED BY PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED		**OFFICE**	**DATE** *Digitally signed by* ***ALLAN WILL*** Feb 26, 2021	
DEVELOPED BY MICHAEL R. GARRITY JR.	*Digitally signed by* ***MICHAEL GARRITY*** Feb 23, 2021	**OFFICE** AJV-A423	**DATE** 02/18/2021	
APPROVED BY MARLON ROBINSON		**OFFICE** AJV-A420	**DATE** *Digitally signed by* ***ALLAN WILL*** Feb 26, 2021	**TITLE** MANAGER

QUALITY 8 CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLAS
RUNWAY	RW19R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19B
LTP/FTP LATITUDE	360551.7655N
LTP/FTP LONGITUDE	1150927.1850W
LTP/FTP ELLIPSOIDAL HEIGHT	+06085
FPAP LATITUDE	360430.8440N
FPAP LONGITUDE	1151013.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.24
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1836A3B5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+06366
FPAP ORTHOMETRIC HEIGHT	+06366

