

**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> KCCR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19R	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> CONCORD	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 26	<u>TDZE</u> 22	<u>SUPERSEDED</u> RNAV (GPS) RWY 19R	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 14 JULY 2022	<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>
REJOY	IAF	FEVTA		TF	FB	1.00	250.04	9.51	2000
FEVTA	IF	MUPNE		TF	FB	1.00	190.58	6.20	1300
MUPNE	FAF	RW19R	MAP	TF	FO	0.30	190.55	3.87	
RW19R	MAP	500 MSL		CA			190.55		500
500 MSL		HASPS		DF	FB	1.00			
HASPS		REJOY		TF	FO	1.00	056.74	11.81	3000

MISSED APPROACH

MAP:

LPV: DA
LNAV: RW19R

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 190 KIAS UNTIL HASPS) CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT HASPS THEN ON TRACK 056.74 DIRECT REJOY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. PROFILE STARTS AT FEVTA

3. FAC: 190.55 FAF: MUPNE DIST FAF TO MAP: 3.87 DIST FAF TO THLD: 3.87

4. MIN ALT: FEVTA 2000, MUPNE 1300

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 276 HAT: 0.72 GS ANT:

6. MIN GP INCPT: 1300 GP ALT AT PFAF : MUPNE 1300 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 45.0

8. MSA FROM: RW19R 5100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING TO RWY 01L, 01R, 32R, 32L, 19L NA AT NIGHT.
CHART NOTE: CIRCLING NA W OF RWYS 01L AND 19R.
CHART NOTE: RWY 19R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT REJOY ON V6 NORTHEAST BOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C AND D VISIBILITY TO 3 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 195.00 INBOUND.
CHART FAS OBST: 738 T-L TWR 380201N/1220104W.
CHART VDP AT 2.92 NM TO RW19R.
WAAS CHANNEL # 86424
REFERENCE PATH ID: W19A
CHART CIRCLING ICON.
LTP HAE: -25.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 1000-2, CAT C 1000-3, CAT D 1300-3

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	298	3/4	276	298	3/4	276	298	3/4	276	298	3/4	276			
LNAV MDA	980	1	958	980	1 1/4	958	980	2 1/2	958	980	2 1/2	958			
CIRCLING	980	1 1/4	954	980	1 1/2	954	980	3	954	1300	3	1274			

QUALITY
42
CHECKED

CHANGES - REASONS

1. CHANGED LPV ALL CATS FROM DA 272/HAT 250 TO DA 298/HAT 276 - NEW MISSED APPROACH SLOPING OBSTACLE THAT RAISES LPV MINS, 722 MSL TREE (06-225758) 375807.56N/1220651.79W AC 1B, INCORPORATED NOTAM IFDC 2/5593.
2. CHANGED PBN REQUIREMENTS NOTE FROM "DME/DME RNP-0.3 NA" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8 B.
3. NEW CRC REMAINDER CHANGED FROM E3AA6169 TO AD137F79 - LTP COORDINATES FROM "375934.9090N/1220318.8455W" TO "375934.9165N/1220318.8535W" AND FPAP COORDINATES FROM "375813.1215N/1220403.8210W" TO "375813.1290N/1220403.8290W."
4. CHANGED DISTANCE FROM 250 HAT: 0.64 TO 276 HAT: 0.72 - NEW LPV MISSED APPROACH PENETRATION AND 8260.19I 8-6-7 E 3.
5. CHANGED CHART VDP FROM AT 2.19 NM TO AT 2.92 TO RW19R - THRESHOLD ELEVATION CHANGED (SEE #3) AND IAW 8260.19I 8-6-10 M.
6. ADDED 20:1 IS CLEAR - NO 20:1 SURFACE PENETRATIONS, IAW 8260.19I 8-6-7 G 3.
7. REMOVED PLANVIEW NOTE "NOPT FOR ARRIVAL AT REJOY ON V6 SOUTHBOUND" AND ADDED NOTE "PROCEDURE NA FOR ARRIVALS AT REJOY ON V6 NORTHEAST BOUND" - NO PT AT REJOY AND IAW 8260.19I 8-2-5 E (2).

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOA, TRAVIS APP CON, AMGR

Digitally signed by

FLIGHT CHECKED BY

DONALD E SMITH

OFFICE**DATE**

BRYAN VEIT

May 24, 2022

FPO

05/13/2022

DEVELOPED BY

Digitally signed by

ARTHUR ULVESTAD

ARTHUR M ULVESTAD

OFFICE**DATE**

AJV-A411

02/01/2022

APPROVED BY

Apr 12, 2022

JULIE MORGAN

Digitally signed by

DONALD E SMITH

OFFICE**DATE**

AJV-A410

TITLE
MANAGER

May 24, 2022

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCCR
RUNWAY	RW19R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	375934.9165N
LTP/FTP LONGITUDE	1220318.8535W
LTP/FTP ELLIPSOIDAL HEIGHT	-00253
FPAP LATITUDE	375813.1290N
FPAP LONGITUDE	1220403.8290W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	AD137F79

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00068
FPAP ORTHOMETRIC HEIGHT	+00068