

**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</u> REID-HILLVIEW OF SANTA CLARA COUNTY	<u>AIRPORT ID</u> KRHV	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 31R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> SAN JOSE	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 135	<u>TDZE</u> 133	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 31R	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 07/29/2010	<u>MAG VAR</u> 16E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1975

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CATHE		ZUXOX		TF	FB	1.00	266.65	8.54	5000
ZUXOX	IAF	ECYON		TF	FB	1.00	266.54	8.00	4300
GILRO	IAF	ECYON		TF	FB	1.00	312.63	7.72	4300
ECYON	IF	OZNUM	PFAF	TF	FB	1.00	307.00	6.92	2800
OZNUM	PFAF	RW31R	MAP	TF	FO	0.30	306.93	6.17	
RW31R	MAP	533 MSL		CA			306.93		
533 MSL		CEPEL		DF	FB	1.00			
CEPEL		DECOT		TF	FO	1.00	313.49	9.91	4000

MISSED APPROACH

MAP:
LPV: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT CEPEL AND ON TRACK 313.49 TO DECOT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. PROFILE STARTS AT ECYON
- 3. **FAC:** 306.93 **PFAF:** OZNUM **DIST PFAF TO MAP:** 6.17 **DIST PFAF TO THLD:**
- 4. **MIN ALT:** ECYON 4300, OZNUM 2800
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **400 HAT:** 0.83 **GS ANT:**
- 6. **MIN GP INCPT:** 2800 **GP ALT AT PFAF :** OZNUM 2800 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 4.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 45.0
- 8. **MSA FROM:** RW31R 5600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GILRO ON T333 SOUTHEAST BOUND AND FOR ARRIVALS AT CATHE ON V107 SOUTHEAST BOUND.
 CHART NOTE: WHEN CONTROL TOWER CLOSED, USE NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING AND INCREASE DA TO 558 FEET AND VISIBILITY TO 1 1/4 SM.
 CHART NOTE: RWY 31R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

WAAS CHANNEL #58316
 REFERENCE PATH ID: W31A
 HOLD N, RT, 158.00 INBOUND
 LTP HAE: 8.2 M

MINIMUMS:

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

ALTERNATE: NA

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	533	1 1/8	400	533	1 1/8	400		NA			NA				



CHANGES - REASONS

1. GPA CHANGED FROM 3.50 TO 4.00 - MATCHED VGSI ANGLE, APPROVAL NEEDED FOR ANGLE BELOW VGSI.
2. TCH CHANGED FROM 59 FT TO 45 FT - MATCHED VGSI TCH.
3. CHANGED "DISTANCE TO THLD FROM 379 HAT: 0.85 NM" TO "DIST FROM THLD TO 400 HAT: 0.83" - NEW CONTROLLING OBSTACLE, LPV DA/HAT.
4. REMOVED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT - CHANGED ANGLE AND TCH TO MATCH.
5. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH" - CURRENT NOTATION PER 8260.19H 8-6-8.B.
6. CHANGED CHART PLANVIEW NOTE FROM: PROCEDURE NA FOR ARRIVALS AT GILRO ON V485 SOUTHEAST BOUND AND FOR ARRIVALS AT CATHE ON V107 SOUTHEAST BOUND TO: PROCEDURE NA FOR ARRIVALS AT GILRO ON T333 SOUTHEAST BOUND AND FOR ARRIVALS AT CATHE ON V107 SOUTHEAST BOUND - DISALLOW TURNS GREATER THAN 90 DEGREES.
7. COURSE/DISTANCE FROM ECYON TO OZNUM CHANGED FROM 306.99/6.19 TO 307.00/6.92 - OZNUM MOVED 0.73 NM NW.
8. COURSE/DISTANCE FROM OZNUM TO RW31R CHANGED FROM 306.94/6.90 TO 306.93/6.17 - OZNUM MOVED 0.73 NM NW.
9. CHANGED MINIMUM ALTITUDE FROM CATHE TO ZUXOX FROM 4900 TO 5000 - NEW CONTROLLING OBSTACLE.
10. CHANGED CHART NOTE FROM: VISIBILITY REDUCTION BY HELICOPTERS NA TO: RWY 31R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - PER 8260.19H 8-6-11.K.
11. CHANGED TDZE FROM 131 TO 133 - NEW AIRNAV DATA.
12. CHANGED LPV DA/HAT ALL CATS FROM 510/379 TO 533/400 - NEW CONTROLLING OBSTACLE, TDZE.
13. REMOVED NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS - ADJUSTMENTS ADDED TO THE BACKUP ALTIMETER SETTING NOTE.
14. REMOVED DISTANCE TO THLD FROM OM: 6.90 FROM LINE 5 - NO OM, 8260.19H 8-6-7.E.
15. CHANGED LPV VISIBILITY ALL CATS FROM 1 SM TO 1 1/8 SM - LPV MINIMUMS CHANGED, 8260.3D TABLE 3-3-1.
16. FAC CHANGED FROM 306.94 TO 306.93 - OZNUM MOVED 0.73 NM NW.
17. ADDED "DIST PFAF TO MAP: 6.17" ON LINE 3 - PER 8260.19H 8-6-7.C(3).
18. CRC REMAINDER CHANGED FROM BDA683DF TO C2B032B2 - FTP COORDINATES CHANGED FROM 372101.3800N/1215008.6900W TO 372101.3725N/1215008.6955W, CHANGES TO GPA AND TCH.
19. CHANGED CHART NOTE FROM "WHEN CONTROL TOWER CLOSED, USE NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING" TO "WHEN CONTROL TOWER CLOSED, USE NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING AND INCREASE DA TO 558 FEET AND VISIBILITY TO 1 1/4 SM" - REMOVED NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: NCT, AMGR

FLIGHT CHECKED BY

Digitally signed by

THOMAS E MOLOKIE

MARLON J ROBINSON

Jun 11, 2020

OFFICE

FICO

DATE

06/05/2020

DEVELOPED BY

Digitally signed by

JOHN BORDY (ANTHONY CAPPABIANCO)

MARLON J ROBINSON

Jun 11, 2020

OFFICE

AJV-A422

DATE

01/23/2020

APPROVED BY

Digitally signed by

MARLON ROBINSON

MARLON J ROBINSON

Jun 11, 2020

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRHV
RUNWAY	RW31R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	371950.2410N
LTP/FTP LONGITUDE	1214901.2655W
LTP/FTP ELLIPSOIDAL HEIGHT	+00082
FPAP LATITUDE	372101.3725N
FPAP LONGITUDE	1215008.6955W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	04.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1928
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	C2B032B2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00406
FPAP ORTHOMETRIC HEIGHT	+00406

