

**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) RWY 13L	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SAN JOSE	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 135	<u>TDZE</u> 135	<u>SUPERSEDED</u> RNAV (GPS) RWY 13L	<u>ORIGINAL/AMENDMENT</u> ORIG	<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
DECOT	IAF	PIYOG		TF	FB	1.00	137.03	6.48	3800
PIYOG	IF	HEKUR		TF	FB	1.00	126.78	6.91	2800
HEKUR	FAF	RW13L	MAP	TF	FO	0.30	126.83	6.19	
RW13L	MAP	1900 MSL		CA			126.83		1900
1900 MSL		GILRO		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LPV: DA
LNAV: RW13L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 5000 DIRECT GILRO AND HOLD.
**MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 2800.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. PROFILE STARTS AT PIYOG

3. **FAC:** 126.83 **FAF:** HEKUR **DIST FAF TO MAP:** 6.19 **DIST FAF TO THLD:** 6.19

4. **MIN ALT:** PIYOG 3800, HEKUR 2800

5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **427 HAT:** 0.92 **GS ANT:**

6. **MIN GP INCPT:** 2800 **GP ALT AT FAF :** HEKUR 2800 **OM:** **MM:** **IM:**

7. **GP ANGLE:** 4.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 45.0

8. **MSA FROM:** RW13L 5600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 31L NA AT NIGHT.

CHART NOTE: RWY 13L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: VDP NA WITH NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING.

CHART NOTE: WHEN CONTROL TOWER CLOSED, USE NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING AND INCREASE ALL DAS 25 FT AND ALL MDAS 40 FT; INCREASE LPV** VISIBILITY TO 1 3/8 SM.

CHART NOTE: CIRCLING E OF RWY 13L-31R NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DECOT ON V107 NORTHWEST BOUND.

CHART PLANVIEW AND PROFILE NOTE: FOR LPV FLY VISUAL TO AIRPORT, 127 DEGREES - 3.6 NM.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 301.40 INBOUND.

FAS OBST: 360 AAO 372308N/1215115W.

CHART VDP AT 2.04 NM TO RW13L*

*LNAV ONLY.

WAAS CHANNEL # 82216

REFERENCE PATH ID: W13A

CHART CIRCLING ICON.

LTP HAE: 5.2 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**	562	1 1/4	427	562	1 1/4	427		NA			NA				
LPV DA	1708	3	1573	1708	3	1573		NA			NA				
LNAV MDA**	1040	1 1/4	905	1040	1 1/4	905		NA			NA				
LNAV MDA	1600	1 1/4	1465	1600	1 1/2	1465		NA			NA				
CIRCLING	1600	1 1/4	1465	1600	1 1/2	1465		NA			NA				

CHANGES - REASONS

- GS ANGLE CHANGED FROM 3.00 TO 4.00 - MATCHED VGSI ANGLE, WAIVER NEEDED FOR ANGLE BELOW VGSI.
- TCH CHANGED FROM 57 FT TO 45 FT - MATCHED VGSI TCH.
- DISTANCE FAF TO MAP/THLD CHANGED FROM 8.04 NM TO 6.19 NM - HEKUR LOCATION CHANGED FROM 372632.72N/1215523.42W TO 372504.06N/1215359.10W, 1.85 NM SE.
- FAC CHANGED FROM 126.82 TO 126.83 - HEKUR MOVED 1.85 NM SE.
- REMOVED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT - CHANGED ANGLE AND TCH TO MATCH.
- REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED RNP APCH TO PBN REQUIREMENT NOTES - CURRENT NOTATION PER 8260.19H.
- CHANGED CHART PLANVIEW NOTE FROM: PROCEDURE NA FOR ARRIVALS AT DECOT VIA V107 NORTHWEST BOUND TO: PROCEDURE NA FOR ARRIVALS AT DECOT ON V107 NORTHWEST BOUND - 8260.19H 8-2-5.E.
- ADDED CHART CIRCLING ICON - NEW CIRCLING CRITERIA APPLIED PER 8260.3D.
- ADDED CHART NOTE: CIRCLING RWY 31L NA AT NIGHT - 20:1 PENETRATIONS EXIST.
- CHANGED CHART NOTE FROM: VISIBILITY REDUCTION BY HELICOPTERS NA TO: RWY 13L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - PER 8260.19H 8-6-11.K.
- TDZE ELEVATION CHANGED FROM 133 TO 135 - NEW AIRNAV DATA.
- CHANGED CHART VDP AT 3.98 MILES TO RW13L TO CHART VDP AT 2.04 NM TO RW13L - GS ANGLE AND TCH CHANGE, NEW LPV DA AND LNAV MDA.
- REMOVED ALL INSTANCES OF JATPI - REMOVED FINAL STEPDOWN SEGMENT DUE TO FAF LOCATION CHANGE.
- CHANGED FAS OBST FROM 379 AAO 372304N/1215101W TO 360 AAO 372305N/1215111W - NEW CONTROLLING OBSTACLE.
- DISTANCE FROM PIYOG TO HEKUR CHANGED FROM 5.06 NM TO 6.91 NM - HEKUR MOVED 1.85 NM SE.
- COURSE/DISTANCE FROM HEKUR TO RW13L FROM 126.82/8.04 TO 126.83/6.19 - HEKUR MOVED 1.85 NM SE.
- ADDED LPV AND LNAV LINES OF MINIMA WITH NON-STANDARD CLIMB GRADIENTS IN MISSED APPROACH - ACHIEVE LOWER MINIMUMS.
- CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4600 DIRECT NAZFO AND ON TRACK 129.29 TO GILRO AND HOLD" TO "CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 5000 DIRECT GILRO AND HOLD. **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 2800" - ATC REQUEST, CTA REQUIRED DUE TO TURN MORE THAN 1 DEGREE, NON-STANDARD CLIMB GRADIENT MINIMA ADDED.
- LPV DA/HAT ALL CATS CHANGED FROM 1554/1421 TO 1708/1573 - NEW MA ADJUSTMENT.
- LNAV MDA/HAT ALL CATS CHANGED FROM 1840/1707 TO 1600/1465 - NEW MA ADJUSTMENT.
- CIRCLING MDA/HAA ALL CATS CHANGED FROM 1840/1705 TO 1600/1465 - DRIVEN BY NEW LNAV MDA.
- REMOVED NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS - ADJUSTMENTS ADDED TO THE BACKUP ALTIMETER SETTING NOTE.
- "DISTANCE TO THLD FROM 1421 HAT: 4.31 NM" CHANGED TO "DISTANCE TO THLD FROM 427 HAT: 0.92 NM" - NEW LPV DA/HAT, NON-STANDARD CG MINIMA ADDED.
- CHANGED CHART PLANVIEW NOTE FROM "FOR LPV FLY VISUAL TO AIRPORT, 127 DEGREES - 4.3 NM" TO "FOR LPV FLY VISUAL TO AIRPORT, 127 DEGREES - 3.6 NM" - NEW LPV DA/HAT.
- CRC REMAINDER CHANGED FROM 04799D9E TO F52304E1 - CHANGES TO GS ANGLE, TCH.
- 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 ALL DAS 25 FT AND ALL MDAS 40 FT; INCREASE LPV** VISIBILITY TO 1 3/8 SM" - REMOVED NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS.

07/28/20: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 06/11/20.

- CHANGED "CHART PLANVIEW NOTE: FOR LPV FLY VISUAL TO AIRPORT, 127 DEGREES - 3.6 NM" TO "CHART PLANVIEW AND PROFILE NOTE: FOR LPV FLY VISUAL TO AIRPORT, 127 DEGREES - 3.6 NM" - AFS APPROVAL TO PUBLISH PROFILE NOTE, PREVIOUS AMENDMENT HAS NOTE PUBLISHED IN BOTH PLANVIEW AND PROFILE.

QUALITY
21
CHECKED

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: NCT, AMGR

FLIGHT CHECKED BY
THOMAS EDWARD MOLOKIE

OFFICE
FIOG

DATE
06/05/2020

Digitally signed by
JOHN BORDY
Aug 03, 2020

DEVELOPED BY
JOHN BORDY (ANTHONY CAPPABIANCO)

Digitally signed by
ANTHONY J CAPPABIANCO
Jul 28, 2020

OFFICE
AJV-A422

DATE
01/31/2020

APPROVED BY
MARLON ROBINSON

Digitally signed by
JOHN BORDY
Aug 03, 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	RW13L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	372007.5165N
LTP/FTP LONGITUDE	1214917.6385W
LTP/FTP ELLIPSOIDAL HEIGHT	+00052
FPAP LATITUDE	371856.3800N
FPAP LONGITUDE	1214810.2300W
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	1960
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F52304E1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00377
FPAP ORTHOMETRIC HEIGHT	+00377

