

**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> JACK NORTHROP FIELD/HAWTHORNE MUNI	<u>AIRPORT ID</u> KHHR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> HAWTHORNE	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 66	<u>TDZE</u> 63	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 14E
<u>EPOCH YEAR</u> 1985	<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-24.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PDZ VORTAC		CAKUT		TF	FB	1.00	271.00	7.83	3900
CAKUT	IAF	POWUP		TF	FB	1.00	253.11	8.51	3400
POWUP		WELLZ		TF	FB	1.00	253.02	10.94	2700
SLI VORTAC	IAF	WELLZ		TF	FB	1.00	341.00	9.13	2700
WELLZ	IF	HASHY		TF	FB	1.00	252.89	6.30	1500
HASHY		ZANIR		TF	FB	1.00	252.82	2.36	1500
ZANIR	FAF	RW25	MAP	TF	FO	0.30	252.80	4.24	
RW25	MAP	800 MSL		CA			252.80		800
800 MSL		LIMBO		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 DIRECT LIMBO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

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	576	1 3/8	513	576	1 3/8	513	576	1 3/8	513	576	1 3/8	513			
LNAV/VNAV DA	653	1 5/8	590	653	1 5/8	590	653	1 5/8	590	653	1 5/8	590			
LNAV MDA	580	1	517	580	1	517	580	1 3/8	517	580	1 3/8	517			
CIRCLING	620	1	554	620	1	554	780	2	714	780	2 1/4	714			

CHANGES - REASONS

1. LPV DA INCREASED FROM 571/508 TO 577/514; VISIBILITY DECREASED FROM 1 1/2 TO 1 3/8. - NEW CONTROLLING OBSTACLE.
2. LNAV/VNAV VISIBILITY DECREASED FROM 1 7/8 TO 1 5/8. - NEW VISIBILITY TABLE APPLIED.
3. LNAV CATS A/B VISIBILITY INCREASED FROM 3/4 TO 1 SM. - NEW VISIBILITY TABLE APPLIED.
4. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING LEFT TURN TO 3000 DIRECT LIMBO AND HOLD" TO "CLIMB TO 775 THEN CLIMBING LEFT TURN TO 3000 DIRECT LIMBO AND HOLD, CONTINUE TO CLIMB-IN-HOLD TO 3000." - CLIMB TO 775 REQUIRED FOR LPV, SECTION 2 START ALTITUDE; CLIMB-IN-HOLD REQUIRED.
5. TERMINAL ROUTES: FEEDER PDZ TO CAKUT, AND INITIAL CAKUT TO POWUP ADDED. - FPT REQUEST.
6. TERMINAL ROUTES: RW25 TO 466 MSL UPDATED TO RW25 TO 775 MSL; 499 MSL TO LIMBO UPDATED TO 775 MSL TO LIMBO. - 8260.58A 3-5-2 A(2).
7. LINE 5: DIST TO THLD FROM 508 HAT: 1.41 UPDATED TO 513 HAT: 1.40. - LPV HAT CHANGED FROM 508 TO 513.
8. LINE 7: GP ANGLE UPDATED FROM 3.10 TO 3.07; TCH UPDATED FROM 45.0 TO 57.0. - GQS PENETRATIONS MITIGATED; FPT REQUEST.
9. LINE 7: 20:1 IS NOT CLEAR ADDED. - 20:1 PENETRATIONS PRESENT.
10. CHART NOTE: DME/DME RNP-0.3 NA REMOVED. PBN REQUIREMENTS NOTE: RNP APCH ADDED. - IAW 8260.19H.
11. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 5C (41F) OR ABOVE 49C (129F) UPDATED TO 6C TO 54C. - FAHRENHEIT REMOVED IAW 8260.19H; NEW WEATHER STUDY CONDUCTED.
12. ALTERNATE ALTIMETER NOTE REMOVED. - MOVED TO 8260-9 PART C REMARKS IAW 8260.19H 8-6-9 F(4)
13. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED UPDATED TO RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. - 20:1 PENETRATION PRESENT.
14. ADDED CHART NOTE: PROCEDURE NA AT NIGHT. - UNLIT 20:1 PENETRATIONS PRESENT ON RWYS 7 AND 25.
15. CHART NOTE: "FOR INOPERATIVE ALS INCREASE LPV ALL VISIBILITIES TO 1 3/4 SM, LNAV/VNAV ALL VISIBILITIES TO 2 SM" UPDATED TO "FOR INOPERATIVE ALS INCREASE LNAV/VNAV CATS A/B VISIBILITIES TO 1 3/4 SM." - NEW VISIBILITY TABLE APPLIED.
16. CHART NOTE: "INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT C" UPDATED TO "INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV." - NEW INOP VISIBILITY TABLE USED.
17. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PDZ VORTAC 238 CW 012. - PDZ FEEDER ADDED TO PROCEDURE.
18. ADDITIONAL FLIGHT DATA: VDP: 1.32 NM TO RW25 REMOVED. - 20:1 PENETRATIONS PRESENT.
19. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 328 BUILDING 335550N/1181808W ADDED. - IAW 8260.19H 8-6-10C.
20. FAS DATA: CHANGED CRC REMAINDER FROM CB169A29 TO DFDAEE02. - LTP/FTP AND FPAP LAT LONGS UPDATED, TCH CHANGED FROM 45 TO 57, GLIDEPATH ANGLE CHANGED FROM 3.10 TO 3.07, LENGTH OFFSET CHANGED FROM 1384 TO 1400, LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM -00173 TO -00172, LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM +00186 TO +00187.

- 08/07/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 06/07/2019:
1. CHANGED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PDS VORTAC AIRWAY RADIALS 238 CW 012 TO PROCEDURE NA FOR ARRIVALS AT PDZ VORTAC AIRWAY RADIALS 238 CW 012.
- 8/19/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 7/7/2019:
1. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 775 THEN CLIMBING LEFT TURN TO 3000 DIRECT LIMBO AND HOLD, CONTINUE TO CLIMB-IN-HOLD TO 3000" TO "CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 DIRECT LIMBO AND HOLD, CONTINUE TO CLIMB-IN-HOLD TO 3000."
2. TERMINAL ROUTES: RW25 TO 775 MSL UPDATED TO RW25 TO 800 MSL; 775 MSL TO LIMBO UPDATED TO 800 MSL TO LIMBO.
3. ADDED KHHR RNAV (GPS) RWY 25 TO PROCEDURES REQUIRING CLIMB-IN-HOLD TO LIMBO 8260-2.
- 10/7/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 7/7/2019:
1. CHANGED PFAF TO FAF ON LINE 3 AND 6.



AIRPORT

JACK NORTHROP FIELD/HAWTHORNE
MUNI

AIRPORT ID

KHHR

PROCEDURE NAME

RNAV (GPS) RWY 25

ORIGINAL/AMENDMENT

2

CITY

HAWTHORNE

STATE

CA

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZLA, SOCAL APP CON, HHR ATCT, AMGR.

FLIGHT CHECKED BY

THOMAS EDWARD MOLOKIE

Digitally signed by

OFFICE

FIOG

DATE

07/16/2019

WARDELL HENNING

Oct 09, 2019

Digitally signed by

OFFICE

AJV-A432

DATE

04/30/2019

WARDELL HENNING

Oct 09, 2019

DEVELOPED BY

WARDELL HENNING (BARBARA GORMAN)

APPROVED BY

LONNIE EVERHART

Digitally signed by

WARDELL HENNING

Oct 09, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
JACK NORTHROP FIELD/HAWTHORNE MUNI	KHHR	RNAV (GPS) RWY 25	2	HAWTHORNE	CA

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHHR
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	335523.3620N
LTP/FTP LONGITUDE	1181942.8285W
LTP/FTP ELLIPSOIDAL HEIGHT	-00172
FPAP LATITUDE	335518.2930N
FPAP LONGITUDE	1182129.7270W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.07
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1400
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	DFDAEE02
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00187
FPAP ORTHOMETRIC HEIGHT	+00187

