

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
HHR	RNAV (GPS) RWY 7	1	HAWTHORNE	CA	66	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM SLI VORTAC **TO** WILMA

RNP 1.00 DISTANCE 10.27 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (06-002240)	334758.11N/1180946.54W	540	20	3	1A	1000				AT2460	4000
TERRAIN	334800.00N/1180951.00W	357 (400)								AS1500	1900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM WILMA **TO** LIMBO

RNP 1.00 DISTANCE 9.56 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	334439.00N/1182006.00W	1611	215	8	4B	1000				AT1389	4000
TERRAIN	334445.00N/1182012.00W	1482 (1500)								AS1500	3000

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

QUALITY
21
CHECKED

INITIAL: STEPDOWN

FROM

LIMBO

TO

INISH

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	4.57				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	334524.29N/1182944.75W	200	215	8	4B	1000				AT2800	4000
TERRAIN	334524.29N/1182944.75W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

SEGMENT OVER WATER

INITIAL: STEPDOWN

FROM

INISH

TO

TANDY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	5.86				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	334500.92N/1183558.92W	200	215	8	4B	1000				AT2800	4000
TERRAIN	334500.92N/1183558.92W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

SEGMENT OVER WATER



INITIAL

FROM

TANDY

TO

JOHME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	5.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	334717.37N/1183944.75W	200	215	8	4B	1000				AT2400	3600
TERRAIN	334717.37N/1183944.75W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

SEGMENT OVER WATER

INITIAL: STEPDOWN

FROM

JOHME

TO

MEANA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	7.03										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	335142.84N/1183628.62W	200	215	8	4B	1000				AT2400	3600
TERRAIN	335142.84N/1183628.62W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

SEGMENT OVER WATER



INTERMEDIATE

FROM

MEANA

TO

ZEFER

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	3.30				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	335406.24N/1183102.38W	200	215	8	4B	500				AT2100	2800
TERRAIN	335406.24N/1183102.38W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

SEGMENT OVER WATER

FINAL: LPV

FROM

ZEFER

TO

RW07

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	7.30		DA	278	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (06-042146)	335521.88N/1182047.84W	136	20	3	1A		29.57:1			MA8	342

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

ZEFER

TO

RW07

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	7.30		DA				436				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
WATER_TOWER (06-201435)	335505.29N/1182128.13W	229	20	3	1A		18.55:1				500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

ZEFER

TO

RW07

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	7.30		RW07				716				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
BUILDING (06-001350)	335509.04N/1182343.47W	462	20	3	1A	250				XL66	780

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LPV

FROM

DA

TO

SLI VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30-1.00											130
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (06-042146)	335521.88N/1182047.84W	136	20	3	1A		ASC				4000
TOWER (06-001896)	335129.05N/1181327.25W	578	500	50	5D	1000					1600
TERRAIN	335612.00N/1181818.00W	246 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

SLI VORTAC

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 339				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
TOWER (06-001896)	335129.05N/1181327.25W	578	500	50	5D	1000					1600
TERRAIN	335612.00N/1181818.00W	246 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW07

TO

SLI VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30-1.00											614
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
TOWER (06-001896)	335129.05N/1181327.25W	578	500	50	5D	1000					1600
TERRAIN	335612.00N/1181818.00W	246 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (06-201288)	335535.09N/1181833.64W	1.30	714	307	20	3	1A	300		SI	780
CATEGORY B											
TOWER (06-201288)	335535.09N/1181833.64W	1.81	714	307	20	3	1A	300		SI	780
CATEGORY C											
BUILDING (06-001350)	335509.04N/1182343.47W	2.84	714	462	20	3	1A	300			780
CATEGORY D											
BUILDING (06-001350)	335509.04N/1182343.47W	3.71	714	462	20	3	1A	300			780

CIRCLING REMARKS:

MSA

CENTER

RW07

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	342236.00N/1181039.00W	003	28.4	6729	215	8	4B	1000			7800

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZLA ARTCC, HHR TOWER, SOCAL APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	HHR	24	HHR		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	LAX	24	LAX	3.82	Y	0

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KHHH 66, KLAX 97
RA = 0.0.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW07 - MIRL (PCL), VASI-2R		NPI-F	
RW25 - ODALS (PCL), MIRL (PCL), VASI-4R		NPI-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.45	64.0	60.0			3.25	25.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	905
ON CENTERLINE	X	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
+6C	+51C	+6C	+14.87C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 4-YEAR HISTORY (2020-2023).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 1099 HIGH TEMP 1260.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 25		
20:1			
77 POLE (06-238898) 335525.0396N/1181940.5072W (15.36)	75 TRAVERSE_WAY (06-040347) 335525.1900N/1181940.5600W (13.54)		
76 TRAVERSE_WAY (06-204301) 335525.0600N/1181939.9700W (12.09)	89 POLE (06-203354) 335526.1150N/1181936.4437W (9.96)		
89 POLE (06-203376) 335525.0583N/1181936.1449W (9)	77 POLE (06-238899) 335525.0410N/1181938.7306W (7.89)		



<u>AIRPORT ID</u> HHR		<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>AMDT NO.</u> 1	<u>CITY</u> HAWTHORNE	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 66	<u>FACILITY</u> RNAV
88 POLE (06-200768) 335524.8859N/1181935.9932W (7.41)				90 POLE (06-202764) 335524.9528N/1181934.6615W (3.79)			
89 POLE (06-238897) 335526.3219N/1181934.5856W (2.08)				77 POLE (06-238900) 335525.0344N/1181937.2880W (1.82)			
75 TRAVERSE_WAY (06-203195) 335525.0700N/1181937.6000W (1.12)				81 SIGN (06-201860) 335524.8400N/1181936.0800W (0.79)			
FINAL TYPE	LPV, LNAV/VNAV, LNAV						
34:1							
136 TREE (06-042146) 335521.8800N/1182047.8400W (20.26)				102 POLE (06-036717) 335518.2400N/1182036.9400W (12.62)			
103 POLE (06-202553) 335517.2700N/1182037.4500W (12.2)				95 BUILDING (06-036764) 335523.8400N/1182036.0800W (8.69)			
111 TREE (06-040376) 335519.8600N/1182043.1300W (6.58)				103 TREE (06-202029) 335519.9200N/1182040.1500W (5.96)			
101 BUILDING (06-036765) 335517.0800N/1182039.1800W (5.88)				99 POLE (06-036719) 335523.5100N/1182039.8900W (3.21)			
99 POLE (06-318108) 335520.9700N/1182039.9700W (2.59)				99 POLE (06-202642) 335519.1200N/1182039.8600W (2.55)			
124 TREE (06-040377) 335519.2900N/1182050.1700W (2.06)				102 TREE (06-204273) 335522.8800N/1182041.5500W (2)			
104 POLE (06-203002) 335517.5700N/1182042.1300W (1.67)				103 POLE (06-201337) 335523.6000N/1182042.1600W (1.61)			
103 POLE (06-202592) 335519.2100N/1182042.1300W (0.94)							
FINAL TYPE	LPV, LNAV/VNAV, LNAV, CIRCLING						
20:1							
103 POLE (06-203796) 335518.3000N/1182033.4600W (10.51)				101 POLE (06-310800) 335518.3000N/1182033.5000W (8.34)			
101 POLE (06-310799) 335518.3000N/1182035.3000W (0.77)							
<u>PENETRATIONS REMARKS:</u>							

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

75' TREES USED WITHIN 20,000 FEET OF ALL RUNWAY SURFACES.

TAA NOT DEVELOPED PER FPT REQUEST.

TCH 60 USED TO MITIGATE VGS PENETRATIONS.

VDP NA: 20:1 PENETRATIONS EXIST.

RASS WITHIN 5NM, NO ADJUSTMENT REQUIRED.

CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAX ALTIMETER SETTING.

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.94
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	083.76
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	5.10
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	083.76
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	200

THRESHOLD COORDINATES (IF STR-IN)	335521.39N/1182024.52W
ARP COORDINATES	335522.30N/1182006.30W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 7 DISTANCE 0.40 NM
FAF COORDINATES	335433.94N/1182908.09W
FIX NAME COORDINATES	

REMARKS

THLD DISPLACED 905FT, ACTUAL COORDINATES: 335520.89N/1182035.24W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RAYMOND JOHNSON	AJV-A422	02/24/2026	AERONAUTICAL INFORMATION SPECIALIST

