

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23

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> KHII	<u>PROCEDURE NAME</u> VOR-A	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> LAKE HAVASU CITY	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 783	<u>TDZE</u>	<u>SUPERSEDED</u> VOR/DME-A	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 05/03/2012	<u>MAG VAR</u> 15E	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> EED	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
EED VORTAC	IF/IAF	LONDN/EED VORTAC 7.00 DME					138.89	7.00	3500

MISSED APPROACH

MAP:

CEKVU/EED 12.35 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 6000 DIRECT EED VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW EED VORTAC, RT, 138.89 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAF: 138.89 FAF: LONDN/EED VORTAC 7.00 DME DIST FAF TO MAP: DIST FAF TO THLD:
4. MIN ALT: EED VORTAC 4000, LONDN/EED VORTAC 7.00 DME 3500, ARHEY/10.00 DME 2540
8. MSA FROM: EED VORTAC 070-160 6800, 160-250 5400, 250-340 5000, 340-070 8900

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA NE OF RWY 14-32.



ADDITIONAL FLIGHT DATA:

2559 AAO 344041N/1142329W
FAC CROSSES MIDPOINT OF RWY 14-32.
HOLD NW, RT, 138.89 INBOUND.
CHART FAS OBST: 1494 TREE 343714N/1142305W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 1100-2, CAT C 1100-3, CAT D 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
CIRCLING	1800	1 1/4	1017	1800	1 1/2	1017	1800	3	1017	2180	3	1397			

- CHANGES - REASONS
- PROCEDURE NAME CHANGED FROM VOR/DME-A TO VOR-A - 8260.3D NAMING CONVENTION.
 - PROFILE SECTION, LINE 2, ADDED MAX HOLDING ALTITUDE - 8260.19H.
 - EQUIPMENT REQUIREMENTS NOTES, ADDED "DME REQUIRED" - DME REQUIRED TO IDENTIFY ALL FIXES.
 - BACKUP ALTIMETER NOTE MOVED TO FORM 8260-9 - 8260.19H.
 - ADDITIONAL FLIGHT DATE, ADDED CIRCLING ICON - NEW CIRCLING AREAS APPLIED.
 - ADDED ALTERNATE MINIMUMS - LOCAL WEATHER NOW ON WMSCR.

3/3/21: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/16/20.
1. LINE 4, ADDED "EED VORTAC 4000".

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZLA, LAKE HAVASU CITY

FLIGHT CHECKED BY DANIEL CHARLES FAVORITE	<i>Digitally signed by</i> JASON KRETSCHMER Dec 04, 2020	OFFICE FIOG	DATE 12/18/2020	
DEVELOPED BY RUSSELL ROSLEWSKI	<i>Digitally signed by</i> RUSSELL ROSLEWSKI Mar 03, 2021	OFFICE AJV-A421	DATE 09/10/2020	
APPROVED BY MARLON ROBINSON	<i>Digitally signed by</i> JASON KRETSCHMER Mar 03, 2021	OFFICE AJV-A420	DATE	TITLE MANAGER



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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KHII	VOR-A	1A	LAKE HAVASU CITY	AZ	783	EED

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM EED VORTAC (IF/IAF) TO LONDN/EED VORTAC 7.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	7.00											
<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>
1.AAO	344038.93N/1142326.99W		2559	50	20	2C	500				AT441	3500
2.TERRAIN	344038.93N/1142326.99W		2359 (2400)								AS1000	3400

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL

FROM LONDN/EED VORTAC 7.00 DME TO ARHEY/10.00 DME

<u>RNP</u>	<u>DISTANCE</u> 3.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<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>
3.AAO	343850.48N/1142337.49W		1999	50	20	2C	250				RA69 DG222	2540

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: STEPDOWN

FROM

ARHEY/10.00 DME

TO

CEKVU/EED 12.35 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	2.35		CEKVU/EED 12.35 DME									
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
4.TREE	343713.54N/1142304.50W	1494	50	20	2C	250				XP56	1800	

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

XP - RAISED TO ORIG MINS

HOLD-IN-LIEU OF PT

FROM

EED VORTAC

TO

P-4

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
		P-4										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
5.AAO	344145.00N/1143106.00W	2241	164	98	4E	1000				AT659 PR100	4000	
6.TERRAIN	344145.00N/0344145.00W	2041 (2000)								AS1500	3500	

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



MISSED APPROACH

FROM

CEKVU/EED 12.35 DME

TO

EED VORTAC

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1550					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				6000
7.AAO	344022.10N/1143243.20W		2974	1000	20	6C	1000					4000
8.TERRAIN	344022.10N/1143243.20W		2774 (2800)								AS1500	4300

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
9.POLE (04-021327)	343313.28N/1142039.29W	1.30	1017	885	50	20	2C	300		SI	1800
CATEGORY B											
10.VEGETATION (04-064457)	343222.93N/1141949.25W	1.83	1017	947	20	3	1A	300		SI	1800
CATEGORY C											
11.TERRAIN (04-025194)	343713.54N/1142304.50W	2.88	1017	1489	50	20	2C	300			1800
CATEGORY D											
12.AAO	343804.58N/1142407.66W	3.80	1397	1865	50	20	2C	300			2180

CIRCLING REMARKS:



MSA

CENTER

EED VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
070-160	AAO	344612.00N/1135433.00W	074	27.9	5775	1000	3	6A	1000			6800
160-250	AAO	341845.90N/1142425.70W	158	27.4	4330	164	98	4E	1000			5400
250-340	AAO	350153.10N/1145505.30W	291	27.1	3939	1000	3	6A	1000			5000
340-070	AAO	345807.00N/1135641.60W	050	28.8	7801	1000	3	6A	1000			8900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZLA ARTCC, PRC FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KHII	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KHII	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KEED	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KEED	<u>DISTANCE</u> 17.57	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 69

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KHII 782.8, KEED 983.1
RA = 68.46.

<u>PRIMARY NAVAID</u> EED VORTAC	<u>MONITOR POINT</u> POCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW14 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW32 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☐	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL IS CIRCLING ONLY.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

5 FEET VEGETATION USED PER FPT.

RAISED FAF AND STEPDOWN ALTITUDE FOR OPTIMUM ANGLE ON FAF TO STEPDOWN TRANSITION.

5 FEET OF VEGETATION PUT ON THE HIGHEST SPOT WITHIN FINAL STEPDOWN, BY USING THE SURVEYED GROUND OF 04-025194.

ORDER 8260.3 CHAPTER 2 APPLIED TO 2559 AAO 344041N/1142329W.

FOR BACKUP ALTIMETER USE:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEEDLES ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KHII	<u>PROCEDURE NAME</u> VOR-A	<u>AMDT NO.</u> 1A	<u>CITY</u> LAKE HAVASU CITY	<u>STATE</u> AZ	<u>AIRPORT ELEVATION</u> 783	<u>FACILITY</u> EED
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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	MAP	TO 1000FT POINT	4.35
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	153.89
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	2000
DISTANCE FROM	MAP	TO 1500FT POINT	11.94
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	153.89
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2400

THRESHOLD
COORDINATES
(IF STR-IN)

ARP COORDINATES343416.05N/1142129.80W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 14 DISTANCE 0.66 NM

FAF
COORDINATES343939.79N/1142442.69W

FIX NAME
COORDINATES

IF NEEDLES VORTAC: 344557.62N/1142826.78W, MAP CEKVU: 343451.03N/1142151.87W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
22
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> RUSSELL ROSLEWSKI	<u>OFFICE</u> AJV-A421	<u>DATE</u> 09/10/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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