

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
OSH	VOR RWY 9	10C	OSHKOSH	WI		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
809	798	VOR RWY 9	10B	07/21/2016	2E	1965
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
OSH			ROUTINE			

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>
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MISSED APPROACH

MAP:

OSH VOR/DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 ON OSH VOR/DME R-111.18 TO LEWKO INT/OSH 15.07 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT L SIDE OF COURSE 269.95 OUTBOUND 2500 FT WITHIN 10 MILES OF OSH VOR/DME (IAF)
-
- FAC: 089.95 FAF: DIST FAF TO MAP: DIST FAF TO THLD:
- MIN ALT: CETOL/OSH 2.60 DME 1420*
- MSA FROM: OSH VOR/DME 2700

NOTES:

CHART NOTE: CIRCLING TO RWY 5, 13, 23, 31 NA AT NIGHT.
 CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 *1460 WHEN USING FLD ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLD ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND S-9 VISIBILITY CATS C AND D 1/8 SM. CETOL FIX MINIMUMS: INCREASE S-9 VISIBILITY CATS C AND D 1/8 SM, AND CIRCLING VISIBILITY CAT C AND D 1/4 SM.
 CHART NOTE: VDP NA WITH FLD ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 111.18 INBOUND.
 CHART FAS OBST: 1020 ELEVATOR (55-119742) 435902N/0883709W.
 CHART VDP AT 2.06 DME.
 DISTANCE VDP TO THLD 1.35 NM.
 FAC 222 FT R OF RWY C/L EXTENDED 3000 FT FROM THLD.
 CETOL TO RW9: 2.84/50.



MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA												
S-09	1420	1	622	1420	1	622	1420	1 3/4	622	1420	1 3/4	622			
CIRCLING	1420	1	611	1420	1	611	1420	1 3/4	611	1440	2	631			
CETOL FIX MINIMUMS (DME REQUIRED)															
S-09	1280	1	482	1280	1	482	1280	1 3/8	482	1280	1 3/8	482			
CIRCLING	1280	1	471	1300	1	491	1360	1 1/2	551	1440	2	631			

CHANGES - REASONS

- INCORPORATED CHANGES FROM P-NOTAMS FOR AMDTS 10A/B INTO FORM – IAW 8260.19K 8-3-4.C.(3).
- AIRPORT ELEVATION: UPDATED FIELD ELEVATION FROM "808" TO "809" AND TDZE FROM "797" TO "798" – UPDATED AIRNAV DATA CAO 8/10/2023.
- ALL INSTANCES OF "OSH VORTAC" HAVE BEEN UPDATED TO "OSH VOR/DME" - NAVAID PROPERTIES PENDING UPDATE WITH PUBLICATION DATE OF 03/19/2026.
- NOTES: UPDATED FROM "CHART NOTE: CIRCLING RWY 5, 23, AND 31 NA AT NIGHT" TO "CHART NOTE: CIRCLING RWY 5, 13, 23, 31 NA AT NIGHT" – RWY 13 20:1 PENETRATION IDENTIFIED IN NEW EVALUATION AND IAW 8260.19K 8-6-12.O.(2).(G).
- NOTES: UPDATED FROM "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" – IAW 8260.19K 8-6-12.K.(2).
- NOTES: UPDATED FROM "1460 WHEN USING FOND DU LAC ALTIMETER SETTING" TO "1460 WHEN USING FLD ALTIMETER SETTING" – IAW 8260.19K 8-6-7.D.(6).(B).
- NOTES: UPDATED FROM "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FOND DU LAC ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-9 CATS C AND D VISIBILITY AND CIRCLING CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE, INCREASE CETOL FIX MINIMUMS CIRCLING CAT D VISIBILITY 1/4 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLD ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND S-9 VISIBILITY CATS C AND D 1/8 SM. CETOL FIX MINIMUMS: INCREASE S-9 VISIBILITY CATS C AND D 1/8 SM, AND CIRCLING VISIBILITY CAT C AND D 1/4 SM" – IAW 8260.19K 8-6-12.N.(1).
- NOTES: UPDATED FROM "CHART NOTE: VDP NA WITH FOND DU LAC ALTIMETER SETTING" TO "CHART NOTE: VDP NA WITH FLD ALTIMETER SETTING" - IAW 8260.19K 8-6-10.E.(9).
- ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - NO LONGER REQUIRED IAW MEMO "REMOVAL OF CIRCLING ICONS" DATED 5/15/2025.
- ADDITIONAL FLIGHT DATA" UPDATED FROM "CHART FAS OBST: 979 TREE 435818N/0883558W" TO "CHART FAS OBST: 1020 ELEVATOR (55-119742) 435902N/0883709W" – IAW 8260.19K 8-6-11.C.
- ADDITIONAL FLIGHT DATA: UPDATED FROM "CHART VDP AT 1.94 DME" TO "CHART VDP AT 2.06 DME" - IAW 8260.19K 8-6-11.M.
- ADDITIONAL FLIGHT DATA: UPDATED FROM "DISTANCE VDP TO THLD 1.23 MILES" TO "DISTANCE VDP TO THLD 1.35 NM" - IAW 8260.19K 8-6-11.M.
- ADDITIONAL FLIGHT DATA: FAC 221R OF RWY C/L EXTENDED 3000 FROM THLD" TO "FAC 222 FT R OF RWY C/L EXTENDED 3000 FT FROM THLD" – IAW 8260.19K 8-6-11.G.(2).
- MINIMUMS: S-09 HAT ALL CATS UPDATED FROM "623" TO "622" - TDZE UPDATED FROM "797" TO "798".
- MINIMUMS: CIRCLING HAA CATS A, B, AND C UPDATED FROM "612" TO "611" AND CAT D UPDATED FROM "632" TO "631" - AIRPORT ELEVATION UPDATED FROM "808" TO "809".
- UPDATED FROM "CETOL FIX MINIMUMS" TO "CETOL FIX MINIMUMS (DME REQUIRED)" – IAW 8260.19K 8-6-12.N.(3).
- MINIMUMS: CETOL FIX MINIMUMS S-09 MDA/HAT ALL CATS UPDATED FROM "1240/443" TO "1280/482" - NEW CONTROLLING OBSTACLE AND CLEARS NOTAM FDC 5/9761.
- MINIMUMS: CETOL FIX MINIMUMS CIRCLING HAA UPDATED FROM "CAT A 472/ CAT B 492/ CAT C 552/ CAT D 632" TO "CAT A 471/ CAT B 491/ CAT C 551/ CAT D 631" - AIRPORT ELEVATION UPDATED FROM "808" TO "809".



AIRPORT ID
OSH

PROCEDURE NAME
VOR RWY 9

ORIGINAL/AMENDMENT
10C

CITY
OSHKOSH

STATE
WI

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZAU, MKE APP CON, OSH TOWER, AMGR

FLIGHT CHECKED BY

Digitally signed by
CASEY D HILL
Feb 09, 2026

OFFICE

AJF

DATE

01/29/2026

DEVELOPED BY

CASEY HILL (GEORGE H. TYLER)

Digitally signed by
CASEY D HILL
Feb 09, 2026

OFFICE

AJV-A421

DATE

10/03/2025

APPROVED BY

CASEY HILL

Digitally signed by
CASEY D HILL
Feb 09, 2026

OFFICE

AJV-A421

DATE

03/19/2026

TITLE

MANAGER



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

<u>AIRPORT ID</u> OSH	<u>PROCEDURE NAME</u> VOR RWY 9	<u>AMDT NO.</u> 10C	<u>CITY</u> OSHKOSH	<u>STATE</u> WI	<u>AIRPORT ELEVATION</u> 809	<u>FACILITY</u> OSH
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PART A: OBSTRUCTION DATA SEGMENTS

FINAL: PT

<u>FROM</u> 10 NM	<u>TO</u> CETOL/OSH 2.60 DME
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<u>RNP</u>	<u>DISTANCE</u> 7.40	<u>PAT</u>	<u>MAP</u>	<u>HAT</u> 622	<u>HMAS</u>
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<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	435736.00N/0884624.00W	1103	215	8	4B	300					1420

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: PT STEPDOWN

<u>FROM</u> CETOL/OSH 2.60 DME	<u>TO</u> OSH VOR/DME
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<u>RNP</u>	<u>DISTANCE</u> 2.60	<u>PAT</u>	<u>MAP</u> OSH VOR/DME	<u>HAT</u> 482	<u>HMAS</u>
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<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>
ELEVATOR (55-119742)	435902.44N/0883709.35W	1020	20	3	1A	250					1280

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
OSH

PROCEDURE NAME
VOR RWY 9

AMDT NO.
10C

CITY
OSHKOSH

STATE
WI

AIRPORT ELEVATION
809

FACILITY
OSH

PROCEDURE TURN

FROM
OSH VOR/DME

TO
10 NM

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (55-000620)	435624.87N/0885605.27W	1452	50	20	2C	1000					2500
TERRAIN	435354.00N/0885451.00W	1033 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH PT

FROM

TO
LEWKO INT/OSH 15.07 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1120

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
WDML (55-002079)	435032.90N/0881639.00W	1477	500	50	5D	1000					2500
TERRAIN	435003.00N/0881615.00W	1089 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

WITHOUT CETOL MINIMUMS.



AIRPORT ID
OSH

PROCEDURE NAME
VOR RWY 9

AMDT NO.
10C

CITY
OSHKOSH

STATE
WI

AIRPORT ELEVATION
809

FACILITY
OSH

MISSED APPROACH PT STEPDOWN

FROM
OSH VOR/DME

TO
LEWKO INT/OSH 15.07 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1030

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
WDML (55-002079)	435032.90N/0881639.00W	1477	500	50	5D	1000					2500
TERRAIN	435003.00N/0881615.00W	1089 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

WITH CETOL MINIMUMS.

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											
TREE	435706.00N/0883451.00W	1.30	611/471	976	215	8	4B	300		SI	1420/1280
CATEGORY B											
TREE	435700.00N/0883500.00W	1.83	611/491	993	215	8	4B	300		SI	1420/1300
CATEGORY C											
TREE	435630.00N/0883600.00W	2.88	611/551	1049	215	8	4B	300		SI	1420/1360
CATEGORY D											
AAO	435451.00N/0883618.00W	3.77	631/631	1119	215	8	4B	300		XP21	1440/1440

CIRCLING REMARKS:

XP: 21 TO MAINTAIN PREVIOUSLY ESTABLISHED MINIMUMS.



AIRPORT ID
OSH

PROCEDURE NAME
VOR RWY 9

AMDT NO.
10C

CITY
OSHKOSH

STATE
WI

AIRPORT ELEVATION
809

FACILITY
OSH

MSA

CENTER **RADIUS**
OSH VOR/DME 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	WMILL (55-020143)	434302.59N/0881949.67W	147	19.1	1659	500	50	5D	1000			2700

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAU ARTCC, OSH TOWER, MKE APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	OSH	24	OSH		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	FLD	24	FLD	13.13	Y	33

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
OSH 809, FLD 795
RA = 32.3

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
OSH VOR/DME	MOCC	24	1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05	BSC-F	
RW13	BSC-F	
RW23	BSC-F	
RW31	BSC-G	
RW09 - HIRL (PCL), PAPI-4L	NPI-G	
RW27 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW18 - REIL, HIRL (PCL), PAPI-4L	PIR-G	ROLL OUT
RW36 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	50.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	3000FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="checkbox"/>	222FT R OF CENTERLINE	



CRITICAL TEMPERATURES

CRITICAL LOW **CRITICAL HIGH** **ACT** **APT ISA**

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 13		
20:1			
783 TERRAIN (55-119446) 435928.82N/0883338.25W (0.80)			
FINAL TYPE	CIRCLING RWY 23		
20:1			
810 TREE (55-028525) 435938.86N/0883249.91W (15.97)	809 TREE (55-028076) 435939.69N/0883250.40W (13.26)		
805 POLE (55-025796) 435938.81N/0883250.19W (11.87)	802 POLE (55-025800) 435940.03N/0883250.83W (6.15)		
830 TREE (55-068348) 435945.35N/0883247.37W (6.15)	804 POLE (55-025803) 435942.05N/0883252.26W (4.60)		
786 TRAVERSE_WAY (55-028524) 435937.85N/0883251.86W (0.63)	860 TREE (55-119597) 435950.49N/0883240.62W (0.30)		
FINAL TYPE	CIRCLING RWY 31		
20:1			
812 TREE (55-069592) 435904.22N/0883259.23W (15.10)	808 TREE (55-067481) 435907.34N/0883256.06W (12.18)		
793 TRAVERSE_WAY (55-061226) 435908.91N/0883258.91W (10.27)	792 TRAVERSE_WAY (55-061227) 435907.45N/0883259.67W (6.72)		
792 TRAVERSE_WAY (55-061228) 435906.43N/0883300.64W (6.18)	800 TREE (55-070816) 435906.47N/0883257.05W (4.17)		
797 TREE (55-028050) 435906.11N/0883257.29W (0.69)			
FINAL TYPE	CIRCLING RWY 5		
20:1			
793 FENCE (55-025980) 435910.99N/0883333.14W (1.22)			
FINAL TYPE	VOR		
34:1			
858 TREE (55-119693) 435926.67N/0883449.44W (2.47)	869 TREE (55-119644) 435931.97N/0883454.70W (2.01)		
864 TREE (55-077786) 435929.46N/0883452.69W (1.40)	862 POLE (55-025878) 435927.01N/0883452.12W (0.69)		

PENETRATIONS REMARKS:



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT 100 FEET PER FPT.

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	FACILITY	TO 1000FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	091.95
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	FACILITY	TO 1500FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	091.95
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)

435929.90N/0883419.67W

ARP COORDINATES

435903.74N/0883325.35W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 36 DISTANCE 1.23 NM

FAF COORDINATES

FIX NAME COORDINATES

MAP OSH VOR/DME 435925.55N/0883321.36W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME

CASEY HILL (GEORGE H. TYLER)

OFFICE

AJV-A421

DATE

10/03/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

