

**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 ID</u> KMWH	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 4	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> MOSES LAKE	<u>STATE</u> WA		
<u>AIRPORT ELEVATION</u> 1189	<u>TDZE</u> 1189	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 4	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 18E	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<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>
MWH VOR/DME		ONPIC		TF	FO	1.00	214.77	12.23	4000
EDSEW	IAF	ONPIC	NOPT	TF	FB	1.00	087.90	10.25	4000
RUBEL	IAF	ONPIC	NOPT	TF	FB	1.00	027.43	4.80	4000
ONPIC	IF/IAF	UBGUY		TF	FB	1.00	036.01	6.30	2800
UBGUY	FAF	ZOBEM/1.40 NM TO RW04		TF	FB	0.30	036.10	3.50	
ZOBEM/1.40 NM TO RW04		RW04	MAP	TF	FO	0.30	036.10	1.40	
RW04	MAP	1389 MSL		CA			036.10		
1389 MSL		YELUG		DF	FB	1.00			
YELUG		WIPES		TF	FO	1.00	359.95	8.73	4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT YELUG AND ON TRACK 359.95 TO WIPES AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SW ONPIC, RT, 036.01 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 8000.

3. FAC: 036.10FAF: UBGUYDIST FAF TO MAP: 4.90DIST FAF TO THLD: 4.90

4. MIN ALT: ONPIC 4000, UBGUY 2800, ZOBEM/1.40 NM TO RW04 1680

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.47GS ANT:

6. MIN GP INCPT: 2800GP ALT AT PFAF : UBGUY 2800OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 50.0

8. MSA FROM: RW04 4300

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 9/27, 18/36 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MWH VOR/DME AIRWAY RADIALS 130 CW 253.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 239.61 INBOUND.
CHART FAS OBST: 1300 POLE (53-077854) 471145N/1192128W.
WAAS CHANNEL # 42809
REFERENCE PATH ID: W04A
CHART CIRCLING ICON.
LTP HAE: 341.7 M

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	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1389	3/4	200	1389	3/4	200	1389	3/4	200	1389	3/4	200			
LNAV/VNAV DA	1461	7/8	272	1461	7/8	272	1461	7/8	272	1461	7/8	272			
LNAV MDA	1560	1	371	1560	1	371	1560	1	371	1560	1	371			
CIRCLING	1660	1	471	1660	1	471	1680	1 1/2	491	1820	2	631			



CHANGES - REASONS

1. INCORPORATED NOTAM 1/6342
2. MISSED APPROACH: CHANGED CA SEGMENT HEADING FROM 036.15 TO 036.17 - NEW EVALUATION
3. PROFILE LINE 2: ADDED MAX 8000 - CRITERIA UPDATE .19I 8-6-7. B. (2).
4. PROFILE LINE 4: REMOVED “*” AND REMOVED *LNAV ONLY FROM NOTES - NO LONGER A REQUIREMENT
5. PROFILE LINE 5: ADDED DISTANCE TO THLD FROM 200 HAT: 0.47 AND REMOVED “DISTANCE TO THLD FROM 200 HATH: 0.47 NM” FROM ADDITIONAL FLIGHT DATA - NEW FORMAT
6. PROFILE LINE 7: ADDED 20:1 IS CLEAR
7. PBN REQUIREMENTS NOTE: CHANGED FROM “RNP APCH” TO “RNP APCH - GPS” - NEW PBN DESIGNATIONS
8. NOTES: CHANGED “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C OR ABOVE 36C” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C” - NEW 5-YR HISTORICAL TEMPERATURE CALCULATION
9. NOTES: CHANGED AND MOVED TO 8260-9 “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPHRATA ALTIMETER SETTING; INCREASE ALL DA 36 FEET AND INCREASE ALL MDA 40 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY, AND LNAV CAT C AND D VISIBILITY 1/8 SM AND CIRCLING CAT D 1/4 SM” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPHRATA ALTIMETER SETTING; INCREASE ALL DA 36 FEET AND INCREASE ALL MDA 40 FEET, INCREASE LNAV CAT C AND D VISIBILITY 1/8 SM AND CIRCLING CAT D VISIBILITY 1/4 SM” - NEW DA AND VISIBILITY CHECKS.
10. NOTES: ADDED CHART NOTE CIRCLING RWY 9/27, 18/36, NA AT NIGHT - NO SURVEY
11. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON - NEW CIRCLING CRITERIA APPLIED
12. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM “1281 ANT 471123N/1191925W” TO “1300 POLE (53-077854) 471145N/1192128W” - NEW CONTROLLING OBSTACLE - 8260.19I, 8-6-10. S.
13. LANDING MINIMUMS: CHANGED LNAV/VNAV DA/HAT/VIS FROM “1442/253/ 3/4” TO “1461/272/ 7/8” - NEW CONTROLLING OBSTACLE/VISIBILITY CHECKS
14. LANDING MINIMUMS: CHANGED LNAV MDA/HAT/VIS FROM “1540/351/1” TO “1560/371/1” - NEW CONTROLLING OBSTACLE/VISIBILITY CHECKS
15. CRC REMAINDER CHANGED FROM C29706E4 TO D09A0A0C - FPAP LAT/LONG CHANGED FROM 471245.9800N/1191801.1000W TO 471245.9880N/1191801.0885W

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZSE, MWH APP CON, MWH ATCT, AMGR

FLIGHT CHECKED BY

JOEL F HAWKLEY

*Digitally signed by***JON DENTON**

Dec 16, 2021

OFFICE

FPO

DATE

12/15/2021

DEVELOPED BY

APRIL SARMENTO

*Digitally signed by***APRIL T SARMENTO**

Nov 02, 2021

OFFICE

AJV-A432

DATE

10/29/2021

APPROVED BY

LONNIE EVERHART

*Digitally signed by***JON DENTON**

Dec 16, 2021

OFFICE

AJV-A430

DATE**TITLE**
MANAGERQUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMWH
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	471148.2345N
LTP/FTP LONGITUDE	1191958.5325W
LTP/FTP ELLIPSOIDAL HEIGHT	+03417
FPAP LATITUDE	471245.9880N
FPAP LONGITUDE	1191801.0885W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D09A0A0C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+03623
FPAP ORTHOMETRIC HEIGHT	+03623



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

<u>AIRPORT ID</u> KMWH	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 4	<u>AMDT NO.</u> 1D	<u>CITY</u> MOSES LAKE	<u>STATE</u> WA	<u>AIRPORT ELEVATION</u> 1189	<u>FACILITY</u> RNAV
---------------------------	---	-----------------------	---------------------------	--------------------	----------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
MWH VOR/DME

TO
ONPIC

<u>RNP</u>	<u>DISTANCE</u> 12.23	<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>
												AAO	470551.00N/1193006.00W	1483	164	98	4E	1000				AT1517	4000
												TERRAIN	470551.00N/1193009.00W	1283 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
EDSEW

TO
ONPIC

<u>RNP</u>	<u>DISTANCE</u> 10.25	<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>
												TOWER (53-000724)	470636.00N/1194921.00W	1537	500	50	5D	1000				AT1463	4000
												TERRAIN	470915.00N/1194712.00W	1280 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM

RUBEL

TO

ONPIC

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.80											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	470715.00N/1193409.00W		1444	164	98	4E	1000				AT1556	4000
TERRAIN	470239.00N/1193515.00W		1241 (1200)								AS1500	2700

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

SEGMENT REMARKS:

INTERMEDIATE

FROM

ONPIC (IF/IAF)

TO

UBGUY

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.30											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	470551.00N/1193006.00W		1483	164	98	4E	500				AC98	2100
TERRAIN	470551.00N/1193009.00W		1283 (1300)								AS1500	2800

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

SEGMENT REMARKS:



FINAL: LPV

FROM

UBGUY

TO

RW04

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	4.90		DA	200								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				1389

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

UBGUY

TO

RW04

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	4.90		DA	272								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
POLE (53-077854)	471145.16N/1192128.18W		1300	50	3	2A	161					1461

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

SEGMENT REMARKS:



FINAL: LNAV

FROM

UBGUY

TO

ZOBEM/1.40 NM TO RW04

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	3.50											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	470920.68N/1192559.75W		1379	50	20	2C	250				RA36	1680

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

ZOBEM/1.40 NM TO RW04

TO

RW04

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	1.40		RW04	371								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
POLE (53-077854)	471145.16N/1192128.18W		1300	50	3	2A	250					1560

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

ONPIC

TO

P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	465740.90N/1193709.70W		1960	1000	20	6C	1000				AT1040	4000
TERRAIN	465740.90N/1193709.70W		1760 (1800)								AS1500	3300

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

WIPES

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 1224					
<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
AAO	472403.00N/1190406.00W		1877	164	98	4E	1000					2900
TERRAIN	472403.00N/1190406.00W		1676 (1700)								AS1500	3200

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

WIPE5

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1300					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4000
AAO	472403.00N/1190406.00W		1877	164	98	4E	1000					2900
TERRAIN	472403.00N/1190406.00W		1676 (1700)								AS1500	3200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW04

TO

WIPE5

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1460					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4000
AAO	472403.00N/1190406.00W		1877	164	98	4E	1000					2900
TERRAIN	472403.00N/1190406.00W		1676 (1700)								AS1500	3200

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											
TANK (53-023470)	471017.00N/1191905.73W	1.31	471	1335	20	3	1A	300		XP20	1660
CATEGORY B											
TANK (53-023470)	471017.00N/1191905.73W	1.85	471	1335	20	3	1A	300		XP20	1660
CATEGORY C											
TOWER (53-000467)	470948.00N/1192142.00W	2.91	491	1369	50	3	2A	300			1680
CATEGORY D											
AAO	471425.00N/1191310.00W	3.80	631	1510	50	20	2C	300			1820

CIRCLING REMARKS:

XP=MATCH CURRENT MINS .

MSA

CENTER	RADIUS
RW04	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	472712.00N/1195606.00W	284	29.0	3235	164	98	4E	1000			4300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZSE ARTCC, MWH TOWER, MWH APP CON

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	KMWH	24	KMWH	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	KEPH	24	KEPH	10.03	Y	36

WX REMARKS:

RASS PRESSURE PATTRNS THE SAME
KMWH 1189, KEPH 1276
RA=35.4

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW14R		BSC-G	
RW18 - MIRL		BSC-G	
RW32L		BSC-G	
RW36 - MIRL		BSC-G	
RW04 - MIRL, REIL (PCL), PAPI-4L		NPI-G	
RW22 - MIRL, REIL, VASI-4L		NPI-G	
RW14L - HIRL, REIL, PAPI-4L (PCL)		PIR-G	
RW32R - MALSR (PCL), HIRL (PCL), PAPI-4L		PIR-G	APPROACH

<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>
3.00	1188.6	50.0			3.00	49.3

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	



CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-15C	+54C	-15C	+12.65C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2016).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 971 HIGH TEMP 1281.

"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 - LESS THAN 0.5 NM FROM SDF.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

NO SURVEY DATA FOR RWYS 18/36, 9/27 - 20:1 AND 34:1 OBSTACLES ARE ASSUMED 20 FT VEGETATION USED WITHIN 5 NM

BARO-VNAV NA WHEN USING EPHRATA ALTIMETER SETTING.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPHRATA ALTIMETER SETTING; INCREASE ALL DA 36 FEET AND INCREASE ALL MDA 40 FEET, INCREASE LNAV CAT C AND D

VISIBILITY 1/8 SM AND CIRCLING CAT D 1/4 SM.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<div>AIRPORT ID</div> <div>KMWH</div>	<div>PROCEDURE NAME</div> <div>RNAV (GPS) Y RWY 4</div>	<div>AMDT NO.</div> <div>1D</div>	<div>CITY</div> <div>MOSES LAKE</div>	<div>STATE</div> <div>WA</div>	<div>AIRPORT ELEVATION</div> <div>1189</div>	<div>FACILITY</div> <div>RNAV</div>
---------------------------------------	---	-----------------------------------	---------------------------------------	--------------------------------	--	-------------------------------------

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	3.33
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	054.10
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	MAP	TO 1500FT POINT	4.90
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.14
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	054.10
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN)

471148.23N/1191958.53W

ARP COORDINATES

471230.90N/1191908.90W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 32R DISTANCE 1.15 NM

FAF COORDINATES

470855.96N/1192547.96W

FIX NAME COORDINATES

IF/IAF ONPIC: 470514.27N/1193315.84W, IAF EDSEW: 470803.57N/1194741.35W, IAF RUBEL: 470152.48N/1193815.96W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY

10

CHECKED

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

Electronic Version

Page 10 of 11

PART E: PREPARED BY

<u>NAME</u> APRIL SARMENTO	<u>OFFICE</u> AJV-A432	<u>DATE</u> 09/22/2021	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
-------------------------------	---------------------------	---------------------------	---

