FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE RNAV (RNP) 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.

ORIGINAL/AMENDMENT PROCEDURE NAME **CITY STATE AIRPORT ID** RNAV (RNP) Z RWY 22 ORIG-B MOSES LAKE WA **KMWH AIRPORT ELEVATION TDZE SUPERSEDED ORIGINAL/AMENDMENT DATED MAG VAR EPOCH YEAR** 1189 1166 RNAV (RNP) Z RWY 22 ORIG-A 08/21/2014 18E 1995

REQUIRED EFFECTIVE DATE **FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE** CANCEL/SUSPEND **RNAV** ROUTINE

24 MARCH 2022

TERMINAL ROUTES

FROM	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB RNP		<u>COURSE</u>	DISTANCE	ALTITUDE
SUBDY	IAF	MALEE		TF	FB	1.00	252.00	11.29	4000
MALEE		OPMIE		TF	FB	0.30	216.36	4.20	3100
EPH VORTAC	IAF	YERUD		TF	FB	1.00	063.25	7.94	4000
YERUD		OPMIE		RF	FB	0.30	(3.90 NM RADIUS CW (CFTTT))	10.40	3100
OPMIE	IF	IPROF	PFAF	TF	FB	0.30	216.30	1.99	2800
IPROF	PFAF	RW22	MAP	TF	FO	0.30	216.27	5.01	
RW22	MAP	ONPIC		TF	FO	1.00	216.19	12.85	4000

MISSED APPROACH

MAP: RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 ON TRACK 216.19 TO ONPIC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY 10

<u>AIRPO</u> KM			JRE NAME P) Z RWY 22	<u>0</u>	RIGINAL/AMENDMEN ORIG-B	<u>T</u>	<u>CITY</u> MOSES LAKE	<u>STATE</u> WA	
KIVI	VVI I	NIVAV (NIVE	-) Z NVV I ZZ		ONIG-B		WOJEJ LAKE		
PROFILE:									
1. PT	SIDE OF COURSE	OUTE	BOUND	FT WITHIN	MILES OF	(IAF)			
2. PROFILE S	TARTS AT OPMIE								
3. FAC: 216	.27	PFAF: IPROF		DIST PFAF	TO MAP:	DIST P	FAF TO THLD:		
4. MIN ALT:	OPMIE 3100, IPROF 2800								
5. DIST TO T	HLD FROM PFAF: 5.01	MM:	IM:	150 HAT:	255 HAT: 0.68	GS ANT:			
6. MIN GP IN	CPT : 2800 GP	ALT AT PFAF:	PROF 2800		OM:		MM:	IM:	
7. GP ANGLE	3. 00 34:1:	IS CLEAR	20:1: IS CLE	AR TCH:	50.0				
8. MSA FROM	1: RW22 4300								
PBN REQUIR	EMENTS NOTE:								
RNP AR APCI	H - GPS.								
NOTES:									
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C OR ABOVE 54°C. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUBDY ON T268 AND V2-448 NORTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EPH VORTAC ON RADIALS 060 CW 135. CHART PLANVIEW NOTE AT YERUD: DO NOT EXCEED 210 KIAS UNTIL OPMIE. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 036.01 INBOUND.									

MINIMUMS:

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

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

CATEGORY:	CATEGORY: A		В			С			D			E			
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA	<u>DA/MDA</u>	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA
						AUTHO	DRIZATION F	REQUIRED							
RNP 0.10 DA	1421	3/4	255	1421	3/4	255	1421	3/4	255	1421	3/4	255			
RNP 0.30 DA	1508	1	342	1508	1	342	1508	1	342	1508	1	342			
														JAL17L	

AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEKMWHRNAV (RNP) Z RWY 22ORIG-BMOSES LAKEWA

CHANGES - REASONS

- 1. INCORPORATED NOTAM 1/6866 DA/HATS CHANGED
- 2. TERMINAL ROUTES: RF SEGMENT YEROD TO OPMIE CNF FIX NAME CHANGED FROM QUZRU TO CFTTT NEW CNF FIX NAMING CRITERIA
- 3. MISSED APPROACH: CHANGED MAP FROM "MAP: DA" TO "RNP: DA" 8260.19I 8-6-6. C. (1)
- 4. MISSED APPROACH: CHANGED MA INSTRUCTIONS FROM "CLIMB TO 4000 ON TRACK 216.20 TO ONPIC AND HOLD." TO "CLIMB TO 4000 ON TRACK 216.19 TO ONPIC AND HOLD." NEW TARGETS BUILD
- 5. PROFILE LINE 5: ADDED DISTANCE TO THLD FROM 255 HAT: 0.68 AND REMOVED FROM ADDITIONAL FLIGHT DATA "DISTANCE TO THLD FROM 250 HATH: 0.83 NM" NEW CRITERIA FORMAT/NEW HAT
- 6. PROFILE LINE 7: ADDED 20:1 IS CLEAR NO 20:1 OBSTACLE PENETRATIONS
- 7. LANDING MINIMUMS: CHANGED RNP 0.10 DA/HAT/VIS FROM "1416/250/ 3/4" TO "1421/255/ 3/4" NEW CONTROLLING OBSTACLE/MA PENETRATOR/VISIBILITY CHECKS
- 8. LANDING MINIMUMS: CHANGED RNP 0.30 DA/HAT/VIS FROM "1476/310/1" TO "1508/342/1" NEW CONTROLLING OBSTACLE/MA PENETRATOR/VISIBILITY CHECKS
- 9. NOTES/EQUIPMENT REQUIREMENTS: ADDED "RNP AR APCH GPS. FROM EPH VORTAC: RF REQUIRED"; REMOVED "CHART PLANVIEW NOTE ADJACENT TO EPHRATA VORTAC: RF REQUIRED", REMOVED "GPS REQUIRED" FROM NOTES; REMOVED "ROUTE TYPE; A, R", "ROUTE TYPE QUALIFIER1: P" AND "ROUTE TYPE QUALIFIER2: S" FROM ADDITIONAL FLIGHT DATA NEW PBN DESIGNATIONS AND FORMAT
- 10. NOTES: CHANGED "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C (2F) OR ABOVE 46C (114F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C OR ABOVE 54C" NEW 5-YR HISTORICAL TEMPERATURE CALCULATION
- 11. NOTES: CHANGED FROM "CHART PLANVIEW NOTE AT YEROD: MAX 210 KIAS" TO "CHART PLANVIEW NOTE AT ZIRVO: DO NOT EXCEED 210 KIAS UNTIL OPMIE" 8260.19I, 4-6-10. G. NEW FORMAT
- 12. NOTES: CHANGED PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT SUBDY ON V2-448 EAST BOUND" TO "PROCEDURE NA FOR ARRIVALS AT SUBDY ON T268 AND V2-448 NORTHEAST BOUND" NEW LOW RNAV ROUTE/COURSE 232 IS NE DIRECTION
- 13. ADDITIONAL FLIGHT DATA: REMOVED #TCH 1203.4 (DO NOT CHART)" NO LONGER REQUIRED BY CRITERIA
- 14. ALTERNATE MINIMUMS: ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" NEW FORMAT PER 8260.19I, 8-6-11

COORDINATED WITH:

A4A X ALPA X	AOPA X APA X	HAI NBAA X	DTHER: ZSE ARTCC, MWH ATCT, MWH APP	,	signed by ENTON
FLIGHT CHECKED BY			OFFICE	DATE	9. 2021
	HNICAL SUPPORT GROUP	(AJF-17) MEMO DATED 07/07/20:	21, SUBJECT: GUIDANCE FOR PROCEDURAL		-, -
JOEL F HAWKLEY	Digitally signed by		FPO	12/15/2021	
DEVELOPED BY	APRIL T SARMENTO		<u>OFFICE</u>	DATE	
APRIL SARMENTO	Oct 28, 2021		AJV-A432	09/29/2021	
APPROVED BY		Digitally signed by	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART		JON DENTON	AJV-A430		MANAGER
		Nov 09, 2021			

OVALITY 10 CHECKED