

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</u> MAHLON SWEET FIELD	<u>AIRPORT ID</u> KEUG	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 16R	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> EUGENE	<u>STATE</u> OR
<u>AIRPORT ELEVATION</u> 374	<u>TDZE</u> 364	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 16R	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 15E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> 09/13/2018	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
CVO VOR/DME	IAF	HOCUM		TF	FB	1.00	134.00	5.87	4000
SHEDD	IAF	HOCUM		TF	FB	1.00	223.23	6.84	4000
HOCUM	IF	WATAL		TF	FB	1.00	164.38	11.83	2000
WATAL	FAF	WENIT/2.98 NM TO RW16R		TF	FB	0.30	164.38	2.01	
WENIT/2.98 NM TO RW16R		RW16R	MAP	TF	FO	0.30	164.38	2.98	
RW16R	MAP	564 MSL		CA			164.38		
564 MSL		TIPIE		DF	FB	1.00			
TIPIE		VAUGN		TF	FO	1.00	229.17	11.15	5000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW16R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT TIPIE AND ON TRACK 229.17 TO VAUGN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT HOCUM

3. FAC: 164.38

FAF: WATAL

DIST FAF TO MAP: 4.99

DIST FAF TO THLD: 4.99

4. MIN ALT: HOCUM 4000, WATAL 2000, WENIT/2.98 NM TO RW16R 1360*

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.48

GS ANT:

6. MIN GP INCPT: 2000

GP ALT AT FAF : WATAL 2000

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 51.2

8. MSA FROM: RW16R 5300

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C OR ABOVE 54C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CVO VOR/DME AIRWAY RADIALS 081 CW 217.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHEDD ON V23 NORTHBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, INCREASE LNAV CAT C/D VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 0.97 NM TO RW16R*
*LNAV ONLY
WAAS CHANNEL #86518
REFERENCE PATH ID: W16B
CHART FAS OBST: 463 TREE 440838N/1231230W.
519 AAO 441124N/1231230W.
HOLD SW, LT, 029.50 INBOUND
LTP HAE: 86.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2

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	564	1800	200	564	1800	200	564	1800	200	564	1800	200			
LNAV/VNAV DA	628	2400	264	628	2400	264	628	2400	264	628	2400	264			
LNAV MDA	720	2400	356	720	2400	356	720	3000	356	720	3000	356			
CIRCLING	820	1	446	840	1	466	1000	1 3/4	626	1140	2 1/2	766			

QUALITY
24
CHECKED

CHANGES - REASONS

- 1. ADDED PBN EQUIPMENT REQUIREMENTS NOTE; "RNP APCH" - EQUIPMENT REQUIREMENTS NOTE APPLIED PER 8260.58A, CHANGE 1.
- 2. DELETED CHART NOTE "DME/DME RNP-0.3 NA" - 8260.19H, PARA 1-1-5F(14), REMOVED THE REQUIREMENT FOR THIS NOTE.
- 3. CHANGED CHART NOTE FROM " FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -9C (16F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C OR ABOVE 54C" - UPDATED CHART NOTE DELETES ALL FAHRENHEIT VALUES AND TEMPERATURES UPDATED TO REFLECT MOST CURRENT CONSECUTIVE 5 YEAR HISTORY (2013-2017).
- 4. ADDED 20:1 CLEAR TO LINE 7 - UPDATED REQUIREMENTS REQUIRES STATUS OF BOTH THE 20:1 AND 34:1 SURFACES.
- 5. (IAF) CVO VOR/DME INBOUND COURSE CHANGED FROM "133.00" TO "134.00" - MAG VAR CHANGE FROM -16 TO -15.
- 6. (IAF) SHEDD INBOUND COURSE CHANGED FROM "222.23" TO "223.23" - MAG VAR CHANGE FROM -16 TO -15.
- 7. (IF) HOCUM INBOUND COURSE CHANGED FROM "163.38" TO "164.38" - MAG VAR CHANGE FROM -16 TO -15.
- 8. (FAF) WATAL INBOUND COURSE CHANGED FROM "163.38" TO "164.38" - MAG VAR CHANGE FROM -16 TO -15.
- 9. (SDF) WENIT INBOUND COURSE CHANGED FROM "163.38" TO "164.38" - MAG VAR CHANGE FROM -16 TO -15.
- 10. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 5000 DIRECT TIPIE AND ON TRACK 228.17 TO VAUGN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" TO "CLIMB TO 5000 DIRECT TIPIE AND ON TRACK 229.17 TO VAUGN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" - MAG VAR CHANGE FROM -16 TO -15.
- 11. ADDED CHART NOTE " FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, INCREASE LNAV CAT C/D VISIBILITY TO RVR 5500" - NOTE REQUIRED FOR NO-LIGHT VISIBILITY MINIMA.
- 12. (MISSED APPROACH HOLDING FIX) VAUGN INBOUND COURSE CHANGED FROM "028.50" TO "029.50" - MAG VAR CHANGE FROM -16 TO -15.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZSE, CASCADE APP/DEP CON, AMGR, EUG ATCT

FLIGHT CHECKED BY

OFFICE Digitally signed by DAVID TEFFETELLER

Aug 07, 2018

DEVELOPED BY Digitally signed by JAMES LAFFERTY Jun 18, 2018

OFFICE DATE
AJV-5433 05/16/2018

APPROVED BY
PATRICK MULQUEEN

Digitally signed by DAVID TEFFETELLER Aug 07, 2018

OFFICE
AJV-5430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEUG
RUNWAY	RW16R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16B
LTP/FTP LATITUDE	440807.6145N
LTP/FTP LONGITUDE	1231308.9325W
LTP/FTP ELLIPSOIDAL HEIGHT	+00867
FPAP LATITUDE	440638.5160N
FPAP LONGITUDE	1231307.5860W
THRESHOLD CROSSING HEIGHT (TCH)	00051.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	3D1332F1
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01098
FPAP ORTHOMETRIC HEIGHT	+01098

