

**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> KAVL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ASHEVILLE	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 2164	<u>TDZE</u> 2141	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 02/25/2021	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> 04/22/2021	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 257/30 CW 077/30	NOPT	257/7 CW 077/7		7100
2. 257/7 CW 077/7		AVEBE	IF/IAF	6200
3. 077/30 CW 167/30		077/12 CW 167/12		8600
4. 077/12 CW 167/12		ZIKOL	IAF	7100
5. 167/30 CW 257/30		167/10 CW 257/10		8900
6. 167/10 CW 257/10		FIMOV	IAF	6200

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZIKOL	IAF	AVEBE	NOPT	TF	FB	1.00	076.80	7.60	6200
FIMOV	IAF	AVEBE	NOPT	TF	FB	1.00	256.97	7.60	6200
AVEBE	IF/IAF	ZICZU		TF	FB	1.00	346.89	3.71	4200
ZICZU		UMUXE		TF	FB	1.00	346.86	3.71	4000
UMUXE	FAF	OBOVE/3.04 NM TO RW35		TF	FB	0.30	346.85	2.70	
OBOVE/3.04 NM TO RW35		RW35	MAP	TF	FO	0.30	346.85	3.04	
RW35	MAP	2342 MSL		CA			346.85		
2342 MSL		ONZIQ		DF	FO	1.00			6800



MISSED APPROACH**MAP:**

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6800 DIRECT ONZIQ AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6800.

ALTERNATE MISSED APPROACH INSTRUCTIONS:**PROFILE:**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD S AVEBE, RT, 346.89 INBOUND, 6200 FT. IN LIEU OF PT (IAF), MAX 10000.

3. FAC: 346.85 FAF: UMUXE DIST FAF TO MAP: 5.74 DIST FAF TO THLD: 5.74

4. MIN ALT: AVEBE 6200, ZICZU 4200, UMUXE 4000, OBOVE/3.04 NM TO RW35 3140

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.54 GS ANT:

6. MIN GP INCPT: 4000 GP ALT AT FAF : UMUXE 4000 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.6

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA W OF RWY 17-35.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 166.76 INBOUND.
CHART FAS OBST: 2324 POLE 352428N/0823240W.
CHART 2562 TOWER 352018N/0822901W, 2441 TREE 352227N/0823047W.
CHART VDP AT 1.53 NM TO RW35
WAAS CHANNEL # 48941
REFERENCE PATH ID: W35A
CHART CIRCLING ICON.
LTP HAE: 615.3 M



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 1300-3, CAT D 1600-3

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	2342	4000	201	2342	4000	201	2342	4000	201	2342	4000	201			
LNAV/VNAV DA	2577	4000	436	2577	4000	436	2577	4000	436	2577	4000	436			
LNAV MDA	2660	4000	519	2660	4000	519	2660	5500	519	2660	5000	519			
CIRCLING	2800	1	636	2880	1	716	3460	3	1296	3720	3	1556			

CHANGES - REASONS

1. CORRECTED LNAV/VNAV HMAS FROM 2416 TO 2446 - PER TARGETS EVALUATION.
2. CHANGED FPAP COORDINATE FROM 352656.6300N/0823252.3115W TO 352656.6285N/0823252.3075W - DUE TO RWY DATA CHANGE IN AIRNAV.
3. CHANGED CRC REMAINDER FROM 62CFD2C8 TO 1014D744 - DUE TO NEW CALCULATIONS WITH NEW DATA.
4. LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +06133 TO +06153 - AIRNAV DATA CHANGED.
5. REMOVED "CHART NOTE: *LNAV ONLY" FROM ADDITIONAL FLIGHT DATA, THE * FROM LINE 4, AND THE* FROM THE CHARTED VDP IN PROFILE VIEW- NO LONGER REQUIRED IAW 8260.19I.
6. CHANGED THE LPV DA/HAT FROM 2334/203 TO 2342/201 AND THE LNAV/VNAV DA FROM 2567/436 TO 2577/436 - DUE TO AIRNAV RWY ELEV CHANGES.
7. CHANGED LNAV/VNAV CRITIAL LOW TEMP FROM -13C TO -12C - NEW CALCULATIONS IN TARGETS REFERENCE SOFTWARE FOR DA/HAT CHANGE.

COORDINATED WITH:A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: AVL APP CON, AVL ATCT, AVL ARPT MGR, ZTL**FLIGHT CHECKED BY**

PENDING

DEVELOPED BY

JOHN LINDSEY

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Jan 26, 2021

Digitally signed by

JOHN BORDY

Digitally signed by Jan 26, 2021

JOHN BORDY

Jan 26, 2021

OFFICEOFFICE
AJV-A422OFFICE
AJV-A420**DATE**DATE
12/17/2020**DATE**TITLE
MANAGERQUALITY
16
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAVL
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	352532.8660N
LTP/FTP LONGITUDE	0823214.7025W
LTP/FTP ELLIPSOIDAL HEIGHT	+06153
FPAP LATITUDE	352656.6285N
FPAP LONGITUDE	0823252.3075W
THRESHOLD CROSSING HEIGHT (TCH)	00055.6
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	1014D744

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+06454
FPAP ORTHOMETRIC HEIGHT	+06454

