

**FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 ILS STANDARD INSTRUMENT APPROACH PROCEDURE
 TITLE 14 CFR PART 97.29**

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> ILS OR LOC 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SUPERSEDED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> ILS OR LOC RWY 35	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 11/05/2020	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-AVL	<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>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SUG VORTAC		NURUE INT/I-AVL 11.42 DME					232.27	12.73	6200
FREEZ INT/SUG 18.40 DME		NURUE INT/I-AVL 11.42 DME					052.27	5.67 (SUG R-232)	6200
SPA VORTAC		TUXDO INT/I-AVL 19.76 DME					287.14	24.59	5700
TUXDO INT/I-AVL 19.76 DME	IAF	NURUE INT/I-AVL 11.42 DME	NOPT				346.83	8.34 (I-AVL R-167)	5100
NURUE INT/I-AVL 11.42 DME	IF/IAF	UMUXE INT/I-AVL 7.25 DME/RADAR					346.83	4.17 (I-AVL R-167)	4000

MISSED APPROACH

MAP:

ILS: DA
 LOC: 5.74 NM AFTER UMUXE INT/I-AVL 7.25 DME/RADAR OR AT I-AVL 1.51 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 THEN CLIMBING RIGHT TURN TO 6800 ON HEADING 020.00 AND ON SUG VORTAC R-313 TO JUNOE INT/SUG 24.48 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6800.
 *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 340 FEET PER NM TO 4200.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. REMOVED ABOVE FIX MINIMUMS AND ASSOCIATED NOTES - MISSED APPROACH PENETRATION INCREASES THE MDA TO THAT OF ABOVE FIX CROSSING ALTITUDE AND RENDERS THE ADDITIONAL LINE OF MINIMA MUTE.
2. ADDED AN ADDITIONAL S-ILS 35 LINE OF MINIMA WITH A HIGH DA AND A STANDARD MISSED APPROACH CLIMB GRADIENT - TO MITIGATE SECTION 2 MISSED PENETRATIONS.
3. RAISED S-ILS 35 DA FROM 2334 TO 2360 AND ADDED A MISSED APPROACH CLIMB GRADIENT TO MITIGATE SECTION 2 MISSED PENETRATIONS - IAW 8260.19I PARA 8-6-6-F(2).
4. REMOVED CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC-35 ABOVE FIX MINIMUMS CAT C/D VISIBILITY TO 1 5/8 SM - NO LONGER REQUIRED.
5. MOVED VDP FROM CHART VDP AT 3.16 DME, DISTANCE VDP TO THLD 1.65 NM TO READ 4.71 DME, AND 3.20 NM - DUE TO MDA INCREASE.
6. CHANGED TDZE FROM 2131 TO 2141 - UPDATED AIRNAV DATA.
7. CHANGED S-LOC 35 MDA/HAT FROM 3140/976 TO 3200/1059 - DUE TO MISSED APPROACH PENETRATIONS.

COORDINATED WITH:

A4A
ALPA
AOPA
APA
HAI
NBAA
OTHER: AVL APP CON, AVL ATCT, AVL ARPT MGR, ZTL

FLIGHT CHECKED BY

PENDING

Digitally signed by

JOHN BORDY

Jan 26, 2021

OFFICE

DATE

DEVELOPED BY

JOHN LINDSEY

Digitally signed by

JOHN BORDY

Jan 26, 2021

OFFICE

AJV-A422

DATE

12/22/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Jan 26, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

