

**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> KMPV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> BARRE/MONTPELIER	<u>STATE</u> VT		
<u>AIRPORT ELEVATION</u> 1166	<u>TDZE</u> 1135	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 07/14/2022	<u>MAG VAR</u> 16W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 11 AUGUST 2022	<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>
MPV VOR/DME		REGGI		TF	FO	1.00	345.47	26.52	6000
PLOTT		HUSAV		TF	FB	1.00	283.70	20.16	6000
BTV VOR/DME		EWVAP		TF	FB	1.00	059.85	13.66	6000
VUYUD	IAF	REGGI	NOPT	TF	FB	1.00	097.44	6.00	6000
HUSAV	IAF	REGGI	NOPT	TF	FB	1.00	237.60	6.00	6000
EWVAP	IAF	OCIVA	NOPT	TF	FB	1.00	107.39	6.30	6000
OCIVA		REGGI		TF	FB	1.00	173.96	6.00	6000
REGGI	IF/IAF	JIPDO		TF	FB	0.50	167.54	3.91	5000
JIPDO		ZAXOL		TF	FB	0.50	167.57	4.16	4200
ZAXOL	FAF	WANUX/5.80 NM TO RW17		TF	FB	0.30	167.61	3.80	
WANUX/5.80 NM TO RW17		RW17	MAP	TF	FO	0.30	167.61	5.80	
RW17	MAP	1720 MSL		CA			167.61		1720
1720 MSL		MPV VOR/DME		DF	FO	1.00			5200



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1720 THEN CLIMB TO 5200 DIRECT MPV VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5200.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD N REGGI, LT, 167.54 INBOUND, 6000 FT. IN LIEU OF PT (IAF), MAX 14000.					
3. FAC: 167.61	FAF: ZAXOL	DIST FAF TO MAP: 9.60	DIST FAF TO THLD: 9.60		
4. MIN ALT: REGGI 6000, JIPDO 5000, ZAXOL 4200, WANUX/5.80 NM TO RW17 2980					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	374 HAT: 1.13	GS ANT:
6. MIN GP INCPT: 4200	GP ALT AT PFAF : ZAXOL 4200	OM:	MM:	IM:	
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS NOT CLEAR	TCH: 55.0		
8. MSA FROM: RW17 5600					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY AT VUYUD.

NOTES:

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B.
CHART NOTE: BARO-VNAV NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MPV VOR/DME AIRWAY RADIALS 315 CW 037.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: STRAIGHT-IN RWY 17 NA AT NIGHT, CIRCLING RWY 5, 17, 35 NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
HOLD N, RT, 165.46 INBOUND.
CHART FAS OBST: 1381 TREE (50-053659) 441255N/0723527W.
2460 AAO 442042N/0724017W, 1800 AAO 441736N/0723800W.
CHART R-6501 A & B.
WAAS CHANNEL # 69611
REFERENCE PATH ID: W17A
LTP HAE: 305.1 M



MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 900-2, CAT C 1600-3, CAT D 1800-3, 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	1509	1	374	1509	1	374	1509	1	374	1509	1	374			
LNAV/VNAV DA	1624	1	489	1624	1	489	1624	1	489	1624	1	489			
LNAV MDA	1680	1	545	1680	1	545	1680	1 1/8	545	1680	1 1/8	545			
CIRCLING	1980	1 1/4	814	1980	1 1/4	814	2700	3	1534	2920	3	1754			

CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM AMDT 1B.
2. TERMINAL ROUTES: UPDATED CA LEG ALTITUDE FROM 1700 TO 1720 - TO MEET LPV MA SECTION 2 START ALTITUDE; IAW 8260.58 3-5-1A(2).
3. PROFILE LINE 4: UPDATED WANUX/5.80 NM TO RW17 ALTITUDE FROM 2980* TO 2980 - - NO LONGER REQUIRED IAW 8260.19I 8-6-7 D(6)(A).
4. PROFILE LINE 5: UPDATED 374 HAT FROM 1.02 TO 1.13 - UPDATED EVALUATION.
5. PROFILE LINE 7: UPDATED TCH FROM 49.9 TO 55 - MITIGATES VGS PENETRATION.
6. PBN REQUIREMENTS NOTE: UPDATED FROM RNP APCH TO RNP APCH - GPS - IAW 8260.19I 8-6-8 B.
7. EQUIPMENT REQUIREMENTS NOTE: ADDED "RADAR REQUIRED FOR PROCEDURE ENTRY AT VUYUD"; NOTE REMOVED FROM PLANVIEW -
8. NOTES: ADDED BARO-VNAV NA - PRECIPITOUS TERRAIN IN FINAL SEGMENT.
9. NOTES: CHANGE NOTE FROM "CIRCLING RWY 5, 35 NA AT NIGHT" TO "STRAIGHT-IN RWY 17 NA AT NIGHT, CIRCLING RWY 5, 17, 35 NA AT NIGHT"
10. NOTES: UPDATED RWY 17 HELICOPTER VISIBILITY REDUCTION NOTE FROM 3/4 SM TO 1 SM - 20:1 PENETRATIONS FOUND.
11. NOTES: DELETED "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C OR ABOVE 54C" - BARO/VNAV NA.
12. NOTES: UPDATED FROM "FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 MILES" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM" - UPDATED EVALUATION; IAW 8260.3 TABLE 3-3-1.
13. NOTES: ADDED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MPV VOR/DME AIRWAY RADIALS 315 CW 037 - TURNS EXCEED 90 DEGREES.
14. NOTES: ADDED: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B - IAW 8260.3 TABLES 3-3-1, 3-3-3, 3-3-4; DOCUMENTED IAW 8260.19 8-6-11 O(3)(C)
15. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "1359 TREE 441255N/0723528W" TO "1381 TREE (50-053659) 441255N/0723527W" - UPDATED EVALUATION.
16. UPDATED 7:1 AAO OBSTACLES FROM "2457 AAO 442042N/0724017W" TO "2460 AAO 442042N/0724017W, 1800 AAO 441736N/0723800W" - UPDATED EVALUATION.
17. ADDITIONAL FLIGHT DATA: *LNAV ONLY - NO LONGER REQUIRED IAW 8260.19I 8-6-7 D(6)(A).
18. ADDITIONAL FLIGHT DATA: DELETED VDP AT 1.68 NM TO RW17 - NOT PUBLISHABLE DUE TO 20:1 PENETRATIONS.
19. ALTERNATE MINIMUMS: UPDATED FROM NA TO CAT A, B 900-2, CAT C 1600-3, CAT D 1800-3, NA WHEN LOCAL WEATHER NOT AVAILABLE - PRIMARY ALTIMETER/WEATHER ON WMSCR.
20. MINIMUMS: UPDATED LPV VISIBILITY ALL CATS FROM 3/4 TO 1 - UPDATED EVALUATION; IAW 8260.3 TABLE 3-3-1.
21. MINIMUMS: UPDATED LNAV/VNAV VISIBILITY ALL CATS FROM 1 1/4 TO 1 - UPDATED EVALUATION; IAW 8260.3 TABLE 3-3-1.
22. MINIMUMS: UPDATED LNAV VISIBILITY CATS A/B FROM 1 1/4 TO 1 AND CATS C/D FROM 1 1/4 TO 1 1/8 - UPDATED EVALUATION; IAW 8260.3 TABLES 3-3-1, 3-3-3, 3-3-4.
23. MINIMUMS: UPDATED CIRCLING VISIBILITY CAT B FROM 1 1/2 TO 1 1/4 - UPDATED EVALUATION; IAW 8260.3 TABLE 3-3-7.
24. FAS DATA: UPDATE FPAP LAT/LONG FROM "441105.3925N 0723305.2755W" TO "441105.3810N 0723305.2640W" - UPDATED EVALUATION.
25. FAS DATA: UPDATED CRC REMAINDER FROM "3B6F7165" TO "B9BD3022" - FPAP AND TCH UPDATED.



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW,AMGR

FLIGHT CHECKED BY

MICHAEL G CAMPBELL

Digitally signed by

JASON KRETSCHMER

Jun 23, 2022

OFFICE

FPO

DATE

06/22/2022

DEVELOPED BY

JASON KRETSCHMER (PATRICK COMBS)

Digitally signed by

JASON KRETSCHMER

May 10, 2022

OFFICE

AJV-A421

DATE

04/11/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

May 10, 2022

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMPV
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	441223.8210N
LTP/FTP LONGITUDE	0723404.0130W
LTP/FTP ELLIPSOIDAL HEIGHT	+03051
FPAP LATITUDE	441105.3810N
FPAP LONGITUDE	0723305.2640W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B9BD3022

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03327
FPAP ORTHOMETRIC HEIGHT	+03327

