

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> MID-OHIO VALLEY RGNL	<u>AIRPORT ID</u> KPKB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> PARKERSBURG	<u>STATE</u> WV
<u>AIRPORT ELEVATION</u> 859	<u>TDZE</u> 857	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 10/12/2017	<u>MAG VAR</u> 8W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

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>
JPU VOR/DME		OWAVE		TF	FO	2.00	024.03	6.11	3000
CADRE	IAF	OWAVE	NOPT	TF	FB	1.00	170.59	11.10	3000
WEELD	IAF	OWAVE	NOPT	TF	FB	1.00	233.33	14.42	3000
OWAVE	IF/IAF	MIDCO		TF	FB	1.00	210.04	6.03	2800
MIDCO	FAF	MARII/3.00 NM TO RW21		TF	FB	0.30	210.03	2.93	
MARII/3.00 NM TO RW21		RW21	MAP	TF	FO	0.30	210.02	3.00	
RW21	MAP	1137 MSL		CA			210.02		
1137 MSL		UNSAW		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT UNSAW AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD NE OWAVE, RT, 210.04 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	210.03	FAF: MIDCO	DIST FAF TO MAP: 5.93	DIST FAF TO THLD: 5.93	
4. MIN ALT:	OWAVE 3000, MIDCO 2800, MARII/3.00 NM TO RW21 1860*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	280 HAT: 0.70	GS ANT:
6. MIN GP INCPT: 2800	GP ALT AT FAF : MIDCO 2800			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1:	TCH: 56.0		
8. MSA FROM:	RW21 2800				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ATHENS/ALBANY ALTIMETER SETTING.
CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C OR ABOVE 38C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JPU VOR/DME AIRWAY RADIALS 324 CW 121.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATHENS/ALBANY ALTIMETER SETTING AND INCREASE LPV DA TO 1249, LNAV/VNAV DA TO 1237, AND ALL MDA 100 FEET: INCREASE LPV ALL CATS VISIBILITY TO 1 1/8 SM, LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY TO 1 3/8 SM, AND CIRCLING CAT C TO 1 3/4 SM.
CHART NOTE: CIRCLING RWY 10, 28 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.02 NM TO RW21*
*LNAV ONLY
WAAS CHANNEL #86727
REFERENCE PATH ID: W21A
CHART FAS OBST: 985 TREE 392215N/0812526W.
HOLD SW, RT, 029.93 INBOUND
LTP HAE: 227 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	1149	7/8	292	1149	7/8	292	1149	7/8	292	1149	7/8	292			
LNAV/VNAV DA	1137	7/8	280	1137	7/8	280	1137	7/8	280	1137	7/8	280			
LNAV MDA	1240	1	383	1240	1	383	1240	1 1/8	383	1240	1 1/8	383			
CIRCLING	1320	1	461	1340	1	481	1360	1 1/2	501	1420	2	561			



CHANGES - REASONS

- 1. PROFILE LINE 2: ADDED "MAX 6000" - MAX HOLDING ALTITUDE IS NOW REQUIRED TO BE DOCUMENTED ON FORM.
- 2. PROFILE LINE 7: CHANGED FROM "34:1 IS CLEAR" TO "34:1: IS NOT CLEAR" - NEW SURVEY/RWY 21 NOW HAS 34:1 VISUAL SURFACE PENETRATIONS.
- 3. DELETED NOTE "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH" - IAW CURRENT CRITERIA.
- 4. ADDED HELICOPTER VISIBILITY REDUCTION NOTE: "RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - NEW SURVEY/RWY 21 NOW HAS 34:1 VISUAL SURFACE PENETRATIONS.
- 5. UPDATED LOCAL ALTIMETER SETTING NOTE - NOTE UPDATED TO REFLECT REQUIREMENTS DUE TO CHANGED MINIMA.
- 6. DELETED SEPARATE BARO-VNAV NA AND VDP NA NOTES WHEN USING ATHENS/ALBANY ALTIMETER SETTING AND ADDED NOTE WITH BOTH BARO-VNAV AND VDP NA WHEN USING ATHENS/ALBANY ALTIMETER SETTING - COMBINES NOTES TO KEEP INFORMATION TOGETHER/REDUCE CHART SPACE TAKEN UP BY NOTES.
- 7. DELETED DEGREES FAHRENHEIT FROM UNCOMPENSATED BARO-VNAV SYSTEMS NOTE - DEGREES FAHRENHEIT ARE NOT REQUIRED IN THE NOTE.
- 8. DELETED "CHART FAS OBST: 1002 TREE 391923N/0812750W" FROM ADDITIONAL FLIGHT DATA - NOT REQUIRED/LNAV OBSTACLE IS LISTED.
- 9. DELETED "CHART FAS OBST: 960 TREE 392206N/0812539W" FROM ADDITIONAL FLIGHT DATA AND ADDED FAS OBSTACLE "CHART FAS OBST: 985 TREE 392215N/0812526W" - NEW SURVEY/NEW LNAV FINAL CONTROLLING OBSTACLE.
- 10. DELETED ADDITIONAL FLIGHT DATA "DISTANCE TO THLD FROM 250 HAT: 0.61 NM" AND ADDED PROFILE LINE 7 DIST TO THLD FROM 280 HAT: 0.70 - NEW FORM DOCUMENTATION.
- 11. ADDITIONAL FLIGHT DATA: CHANGED VDP FROM 0.96 NM TO 1.02 NM - CURRENT EVALUATION.
- 12. ADDED NOTE: "CIRCLING RWY 10, 28 NA AT NIGHT" - RWY 10/28 BOTH HAVE 20:1 VISUAL SURFACE PENETRATIONS.
- 13. MINIMUMS: CHANGED LPV ALL CATS DA/ VIS /HAT FROM 1107/ 3/4 / 250 TO 1149/ 7/8 / 292 - NEW SURVEY/NEW CONTROLLING OBSTACLE.
- 14. MINIMUMS: CHANGED LNAV ALL CATS MDA/HAT FROM 1220/363 TO 1240/383 AND CHANGED LNAV CAT C/D VISIBILITY FROM 1 TO 1 3/8 - NEW SURVEY/NEW CONTROLLING OBSTACLE.
- 15. MINIMUMS: CIRCLING CAT C MDA/HAA CHANGE FROM 1340/481 TO 1360/501 - NEW SURVEY/NEW CONTROLLING OBSTACLE.
- 16. FAS DATA: CRC REMAINDER CHANGED FROM "A5003E20" TO "284005F8" - LTP AND FPAP LAT/LONG UPDATED.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZID, PKB ATCT, ARPT MGR, ATA

FLIGHT CHECKED BY

BOB S PRESSLER

DEVELOPED BY

JOHN THORNTON

APPROVED BY

JULIE MORGAN

Digitally signed by

BEV L BORDY

Feb 25, 2019

Digitally signed by

JOHN R THORNTON

Jul 20, 2018

Digitally signed by

BEV L BORDY

Feb 25, 2019

OFFICE

FICO

OFFICE

AJV-5421

OFFICE

AJV-5420

DATE

8/11/18

DATE

07/09/2018

DATE

TITLE

MANAGER



