

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>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
NORTH CENTRAL WEST VIRGINIA	KCKB	RNAV (GPS) RWY 21	2A	CLARKSBURG	WV	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1224	1224	RNAV (GPS) RWY 21	2	04/02/2015	8W	1995
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		15 AUGUST 2019	ROUTINE			

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-15 AND AS A CORRECTED COPY IN TL 19-16.

<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>
EKN VORTAC		FONTZ		TF	FO	1.00	006.34	34.74	4400
MGW VOR/DME	IAF	FONTZ	NOPT	TF	FB	1.00	260.77	12.67	3800
TEDDS	IAF	FONTZ	NOPT	TF	FB	1.00	148.27	11.28	3800
FONTZ	IF/IAF	JIREV		TF	FB	1.00	210.90	7.04	2900
JIREV	FAF	HEPUG/2.43 NM TO RW21		TF	FB	0.30	210.86	2.65	
HEPUG/2.43 NM TO RW21		RW21	MAP	TF	FO	0.30	210.86	2.43	
RW21	MAP	1424 MSL		CA			210.86		
1424 MSL		JITUK		DF	FO	1.00			3900

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3900 DIRECT JITUK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE FONTZ, RT, 210.90 INBOUND, 3800 FT. IN LIEU OF PT (IAF), MAX 8000.

3. FAC: 210.86FAF: JIREVDIST FAF TO MAP: 5.08DIST FAF TO THLD: 5.08

4. MIN ALT: FONTZ 3800, JIREV 2900, HEPUG/2.43 NM TO RW21 2020*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.44GS ANT:

6. MIN GP INCPT: 2900GP ALT AT FAF : JIREV 2900OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 59.8

8. MSA FROM: RW21 4700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON EKN VORTAC AIRWAY RADIALS 305 CW 077.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MGW VOR/DME AIRWAY RADIALS 201 CW 307. ←
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEDDS ON V37 NORTHBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS C AND D VISIBILITY TO 1 5/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.61 NM TO RW21*
*LNAV ONLY
WAAS CHANNEL #82504
REFERENCE PATH ID: W21A
CHART FAS OBST: 1629 TWR 391912N/0801356W.
CHART: 1717 TOWER 392247N/0801119W.
HOLD SW, RT, 030.75 INBOUND
LTP HAE: 340.5 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C, D 1100-3

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	1424	2400	200	1424	2400	200	1424	2400	200	1424	2400	200			
LNAV/VNAV DA	1786	1 3/8	562	1786	1 3/8	562	1786	1 3/8	562	1786	1 3/8	562			
LNAV MDA	1800	2400	576	1800	2400	576	1800	1 1/4	576	1800	1 1/4	576			
CIRCLING	1940	1	716	2040	1 1/4	816	2320	3	1096	2320	3	1096			



CHANGES - REASONS

1. ALL REFERENCES TO MGW VORTAC CHANGED TO MGW VOR/DME - TACR PROJECT.
2. DELETED NOTE: "DME/DME RNP-0.3 NA - REPLACED WITH PBN REQUIREMENTS NOTE: "RPN APCH".
3. REMOVED ALTIMETER ADJUSTMENT AND ASSOCIATED NOTES - WEATHER DATA TRANSMITTED ON WMSCR AND DEEMED RELIABLE.

THIS DOES NOT QUALIFY AS A PERIODIC REVIEW - TACR PROJECT.

06/07/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 05/07/2019

1. CHANGED LENGTH OFFSET FROM 0372 TO 0376 IN FAS DATA.

06/20/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 05/07/2019

1. CHANGED CHART PLANVIEW NOTE FROM: "PROCEDURE NA FOR ARRIVAL ON MORGANTOWN VOR/DME AIRWAY RADIALS 201 CW 307" TO: "PROCEDURE NA FOR ARRIVAL ON MGW VOR/DME AIRWAY RADIALS 201 CW 307."

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB, CKB APP CON, AMGR, ATA

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Jun 21, 2019

DEVELOPED BY

WARDELL HENNING (CHARLES CTR THIBODEAUX)

Digitally signed by

WARDELL HENNING

Jun 21, 2019

OFFICE

AJV-A432

DATE

02/19/2019

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

WARDELL HENNING

Jun 21, 2019

OFFICE

A43

DATE**TITLE**

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCKB
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	391827.0850N
LTP/FTP LONGITUDE	0801319.8650W
LTP/FTP ELLIPSOIDAL HEIGHT	+03405
FPAP LATITUDE	391704.8900N
FPAP LONGITUDE	0801404.3895W
THRESHOLD CROSSING HEIGHT (TCH)	00059.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 781888F8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03729
FPAP ORTHOMETRIC HEIGHT	+03729

