

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</u>		<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
NORTH CENTRAL WEST VIRGINIA		KCKB	ILS OR LOC RWY 21	4A	CLARKSBURG	WV
<u>AIRPORT ELEVATION</u>		<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>
1224		1224	ILS OR LOC RWY 21	4	04/02/2015	8W
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
CKB			ROUTINE			

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>
CKB VOR/DME		FONTZ INT/CKB VOR/DME 15.96 DME					029.31	15.96	4400
EKN VORTAC		FONTZ INT/CKB VOR/DME 15.96 DME					005.34	34.74	4400
MGW VOR/DME	IAF	FONTZ INT/CKB VOR/DME 15.96 DME	NOPT				257.77	12.67	3800
FONTZ INT/CKB VOR/DME 15.96 DME	IF/IAF	ARCAT OM/CKB VOR/DME 8.76 DME/RADAR					210.83	7.22 (I-CKB)	2900

MISSED APPROACH

MAP:

ILS: DA

LOC: 4.90 NM AFTER ARCAT OM/CKB VOR/DME 8.76 DME/RADAR OR AT CKB VOR/DME 3.89 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3200 DIRECT CKB VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3200.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4500 DIRECT MGW VOR/DME AND HOLD.



PROFILE:

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

2. HOLD NE FONTZ, RT, 210.83 INBOUND, 3800 FT. IN LIEU OF PT (IAF), MAX 5600.

3. **FAC:** 210.83 **FAF:** ARCAT OM/CKB **DIST FAF TO MAP:** 4.90 **DIST FAF TO THLD:** 4.90
VOR/DME 8.76
DME/RADAR

4. **MIN ALT:** FONTZ INT/CKB VOR/DME 15.96 DME 3800, ARCAT OM/CKB VOR/DME 8.76 DME/RADAR 2900, HEPUG/CKB VOR/DME 6.30 DME/RADAR 2020*

5. **DIST TO THLD FROM OM:** 4.90 **MM:** **IM:** **150 HAT:** **GS ANT:** 1352

6. **MIN GS INCPT:** 2900 **GS ALT AT FAF :** **OM:** 2878 **MM:** **IM:**

7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 59.8

8. **MSA FROM:** CKB VOR/DME 4800

EQUIPMENT REQUIREMENTS NOTES:**NOTES:**

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MGW VOR/DME AIRWAY RADIALS 201 CW 307.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 21 CAT C/D VISIBILITY TO 2 1/2 SM, AND HEPUG FIX MINIMUMS CAT C/D VISIBILITY TO 1 3/8 SM.

CHART NOTE: DME FROM CKB VOR/DME.

ADDITIONAL FLIGHT DATA:

CHART MGW VOR/DME 12.67 DME AT FONTZ.

CHART CIRCLING ICON.

CHART VDP AT 5.30 DME*

DISTANCE VDP TO THLD 1.43 NM

* LOC ONLY

CHART FAS OBST: 1478 TREE 392006N/0801233W.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E MGW VOR/DME, RT, 260.77 INBOUND.

HOLD SW, RT, 042.00 INBOUND

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT B 900-2, CAT C, D 1100-3, NA WHEN CONTROL TOWER CLOSED.

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
S-ILS 21	1424	2400	200	1424	2400	200	1424	2400	200	1424	2400	200			
S-LOC 21	2020	2400	796	2020	4000	796	2020	1 3/4	796	2020	1 3/4	796			
CIRCLING	2020	1	796	2040	1 1/4	816	2320	3	1096	2320	3	1096			
HEPUG FIX MINIMUMS (DME OR RADAR REQUIRED)															
S-LOC 21	1740	2400	516	1740	2400	516	1740	5500	516	1740	5500	516			
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. REMOVED ALTIMETER ADJUSTMENT AND ASSOCIATED NOTES - WEATHER DATA TRANSMITTED ON WMSCR AND DEEMED RELIABLE.
- 3. REMOVED ** FROM DME CKB VOR/DME ADDITIONAL FLIGHT DATA NOTE - REDUNDANT

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

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

- 1. CHANGED IN ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: "ALTERNATE MA HOLDING, HOLD NW MGW VOR/DME, LT, 127.25 INBOUND" TO: "ALTERNATE MA HOLDING, HOLD E MGW VOR/DME, RT, 260.77 INBOUND."
- 2. REMOVED "DME FROM CKB VOR/DME" FROM ADDITIONAL FLIGHT DATA.
- 3. ADDED "CHART NOTE: DME FROM CKB VOR/DME" TO NOTES.

COORDINATED WITH:

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

FLIGHT CHECKED BY

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

DEVELOPED BY

WARDELL HENNING (CHARLES CTR THIBODEAUX)

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
WARDELL HENNING
Jun 21, 2019

OFFICE

Digitally signed by

WARDELL HENNING

OFFICE

AJV-A432

OFFICE

A43

DATE

Jun 21, 2019

DATE

02/20/2019

DATE

TITLE
MANAGER



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> NORTH CENTRAL WEST VIRGINIA	<u>AIRPORT ID</u> KCKB	<u>PROCEDURE NAME</u> ILS OR LOC RWY 21	<u>AMDT NO.</u> 4A	<u>CITY</u> CLARKSBURG	<u>STATE</u> WV	<u>AIRPORT ELEVATION</u> 1224	<u>FACILITY</u> CKB
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
CKB VOR/DME

TO
FONTZ INT/CKB VOR/DME 15.96 DME

<u>RNP</u>	<u>DISTANCE</u> 15.96	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (54-000011)	391706.00N/0801946.00W		2044	250	50	4D	2000				AT356	4400
2.TERRAIN	391824.00N/0800836.00W		1736 (1700)								AS1500	3200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM
EKN VORTAC

TO
FONTZ INT/CKB VOR/DME 15.96 DME

<u>RNP</u>	<u>DISTANCE</u> 34.74	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TREE	385506.00N/0800118.00W		2515	250	125	4E	2000				MT-115	4400
4.TERRAIN	385506.00N/0800118.00W		2415 (2400)								AS1500	3900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

MGW VOR/DME

TO

FONTZ INT/CKB VOR/DME 15.96 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	12.67											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.AAO	393324.00N/0795139.00W		2530	164	98	4E	1000					3600
6.TERRAIN	393324.00N/0795139.00W		2330 (2300)								AS1500	3800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

FONTZ INT/CKB VOR/DME 15.96 DME (IF/IAF)

TO

ARCAT OM/CKB VOR/DME 8.76 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	7.22											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
7.AAO	392721.00N/0800433.00W		1828	164	98	4E	500				AC98 AT474	2900
8.TERRAIN	392721.00N/0800433.00W		1628 (1600)								AS1000	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RF CENTER FIX/DISTANCERF CENTER FIX/DISTANCE

QUALITY
18
CHECKED

FINAL: LOC STEPDOWN

FROM

HEPUG/CKB VOR/DME 6.30 DME/RADAR

TO

4.90 NM AFTER ARCAT OM/CKB VOR/DME 8.76 DME/RADAR OR AT CKB VOR/DME 3.89 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	2.43		4.90 NM AFTER ARCAT OM/CKB VOR/DME 8.76 DME/RADAR OR AT CKB VOR/DME 3.89 DME	516	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
10.TREE (KCKBT0218)	392005.68N/0801233.28W	1478	50	20	2C	250					1740

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

FONTZ

TO

P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-5			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
11.TOWER (54-000721)	393149.83N/0800133.32W	1850	20	3	2C	1000				AT950	3800
12.TERRAIN	393806.00N/0800927.00W	1634 (1600)								AS1500	3100

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



MISSED APPROACH : ILS

FROM

DA

TO

CKB VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 1254				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3200
13.TOWER (54-000328)	391631.30N/0801728.70W	1701	50	20	2C	1000					2800
14.TERRAIN	391715.00N/0801730.00W	1536 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LOC

FROM

4.90 NM AFTER ARCAT OM/CKB VOR/DME 8.76 DME/RADAR OR AT CKB VOR/DME 3.89 DME

TO

CKB VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 1490					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				3200
13.TOWER (54-000328)	391631.30N/0801728.70W		1701	50	20	2C	1000					2800
14.TERRAIN	391715.00N/0801730.00W		1536 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



SEGMENT REMARKS:

FACILITY
CKB

Page 7 of 11

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



QUALITY
18
CHECKED

FACILITY
CKB

NAME
WARDELL HENNING (CHARLES CTR
THIBODEAUX)

TITLE
AERONAUTICAL INFORMATION SPECIALIST

