

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
TCC	VOR RWY 21	7	TUCUMCARI	NM	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
4065	4047	VOR RWY 21	10/08/2020	12E	1965
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
TCC			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>
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MISSED APPROACH

MAP:

TCC VORTAC

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5500 THEN CLIMBING LEFT TURN TO 6500 DIRECT TCC VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT L SIDE OF COURSE 021.00 OUTBOUND 5800 FT WITHIN 10 MILES OF TCC VORTAC (IAF)
-
- FAC: 201.00 FAF: DIST FAF TO MAP: DIST FAF TO THLD:
- MIN ALT: FETUR/TCC 2.33 DME 4700
- MSA FROM: TCC VORTAC 090-360 6800, 360-090 5900

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D N OF RWY 8 AND NW OF RWY 21.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

ADDITIONAL FLIGHT DATA:

CHART DIST FETUR TO RW21: 2.33 NM
CHART 6100 PRIOR TO TCC VORTAC IN PROFILE.
HOLD NE, RT, 246.00 INBOUND.
FAS OBST: 4244 TREE 351315N/1033454W.
FAC CROSSES RWY C/L EXTENDED 1040 FT FROM THLD.
FETUR TO RW21: 3.00/52.



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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-21	4700	1	653	4700	1	653	4700	1 7/8	653	4700	1 7/8	653			
CIRCLING	4700	1	635	4700	1	635	4700	1 7/8	635	4700	2	635			
FETUR FIX MINIMUMS															
S-21	4580	1	533	4580	1	533	4580	1 1/2	533	4580	1 1/2	533			
CIRCLING	4580	1	515	4580	1	515	4580	1 1/2	515	4640	2	575			

CHANGES - REASONS

1. INCREASED S-21 MDA/HAT FROM 4600/553 TO 4700/653, VISIBILITY FROM CAT C 1 1/2, CAT D 1 3/4 TO 1 7/8. – NEW OBSTACLE EVALUATION.
2. INCREASED CIRCLING MDA/HAA FROM 4600/535 TO 4700/635; VISIBILITY CAT C FROM 1 1/2 TO 1 7/8. – CANNOT BE LOWER THAN STRAIGHT-IN MINIMUMS.
3. INCREASED S-21 FETUR FIX MINIMUMS MDA/HAT FROM 4480/433 TO 4580/533; VISIBILITY CAT C FROM 1 1/4 TO 1 1/2. – NEW OBSTACLE EVALUATION.
4. MISSED APPROACH INSTRUCTIONS: UPDATED FROM "CLIMB TO 5100 THEN CLIMBING LEFT TURN TO 6100 DIRECT TCC VORTAC AND HOLD" TO "CLIMB TO 5500 THEN CLIMBING LEFT TURN TO 6500 DIRECT TCC VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6500." – INITIAL ALTITUDE INCREASED TO AVOID 5054 TOWER (35-001198) IN CLIMB-IN-HOLD SLOPED SURFACE; END ALTITUDE INCREASED FOR AIRSPACE REQUIREMENT; CLIMB-IN-HOLD REQUIRED.
5. LINE 4: UPDATED MIN ALT FROM FETUR/TCC 2.00 DME 4600 TO FETUR/TCC 2.33 DME 4700. – FINAL STEPDOWN FETUR MOVED FOR OBSTACLE AVOIDANCE AND TO MATCH VGSI GPA/TCH.
6. LINE 8: UPDATED MSA FROM "TCC VORTAC 360-090 5500, 090-360 6800" TO "TCC VORTAC 090-360 6800, 360-090 5900." – NEW OBSTACLE EVALUATION, TO REMOVE NOTAM FDC 5/8863.
7. UPDATED CHART NOTE: FROM "IF LOCAL ALTIMETER SETTNG NOT RECEIVED, PROCEDURE NA" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA." – IAW 8260.19K 8-6-10 F(4).
8. ADDITIONAL FLIGHT DATA: UPDATED CHART DIST FETUR TO RW21: FROM 1.56 NM TO 2.33 NM. - FINAL STEPDOWN FETUR MOVED FOR OBSTACLE AVOIDANCE.
9. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM "4229 TREES 351324N /1033545W, 4254 TREES 351633N /1033233W" TO "4244 TREE 351315N/1033454W." – NEW FINAL CONTROLLING OBSTACLE.
10. ADDITIONAL FLIGHT DATA: UPDATED FAC CROSSES RWY C/L EXTENDED 1182 FROM THLD TO 1040 FT FROM THLD. – UPDATED EVALUATION COMPLETED.
11. ADDITIONAL FLIGHT DATA: UPDATED FETUR TO RW21 FROM "3.03/52" TO "3.00/52." - UPDATED TO MATCH VGSI GPA/TCH.
12. ADDITIONAL FLIGHT DATA: REMOVED CHART: AIRPORT ELEV 4065, CHART: TDZE 4047. – NO LONGER REQUIRED.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAB, AMGR, ST AV DIR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY
CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by
CASIMIR L TABAKA
Feb 11, 2026

OFFICE
AJV-A432

DATE
11/03/2025

APPROVED BY
CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Feb 11, 2026

OFFICE
AJV-A430

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
TCC	VOR RWY 21	7	TUCUMCARI	NM	4065	TCC

PART A: OBSTRUCTION DATA SEGMENTS

FINAL: PT

FROM 10 NM **TO** FETUR/TCC 2.33 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	7.67						653				
<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>
AAO	351639.00N/1033221.00W	4400	215	8	4B	300					4700

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: STEPDOWN

FROM FETUR/TCC 2.33 DME **TO** TCC VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	2.33		TCC VORTAC				533				
<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>
TREE	351315.00N/1033454.00W	4244	215	8	4B	250				MA75	4580

COMPUTATIONS

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

SEGMENT REMARKS:

PROCEDURE TURN

FROM
TCC VORTAC

TO
10 NM

<u>RNP</u>	<u>DISTANCE</u>	<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>
AAO	352636.00N/1033727.00W	4452	215	8	4B	1000				AT348	5800
TERRAIN	352636.00N/1033727.00W	4251 (4300)								AS1000	5300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH PT

FROM

TO
TCC VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<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>
							ASC				6500
AAO	350757.00N/1034200.00W	5158	215	8	4B	1000					6200
TERRAIN	350757.00N/1034200.00W	4957 (5000)								AS1500	6500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH

FROM

TCC VORTAC

TO

TCC VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (35-001198)	350803.40N/1034155.40W	5054	250	50	4D		ASC				6500
AAO	350757.00N/1034200.00W	5158	215	8	4B	1000					6200
TERRAIN	350757.00N/1034200.00W	4957 (5000)								AS1500	6500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	351157.00N/1033754.00W	1.37	635/515	4276	215	8	4B	300		SI	4700/4580
CATEGORY B											
TREE	351157.00N/1033754.00W	1.96	635/515	4276	215	8	4B	300		SI	4700/4580
CATEGORY C											
TREE	351157.00N/1033754.00W	3.09	635/515	4276	215	8	4B	300		SI	4700/4580
CATEGORY D											
AAO	351406.00N/1033315.00W	4.05	635/575	4338	215	8	4B	300		SI	4700/4640

CIRCLING REMARKS:

MSA

CENTER

TCC VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-360	AAO	345900.00N/1040806.00W	234	29.0	5781	215	8	4B	1000			6800
360-090	AAO	353839.00N/1032721.00W	002	28.5	4866	215	8	4B	1000			5900

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAB ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	TCC	24	TCC		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
TCC VORTAC	MOCC	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW08 - MIRL (PCL)	NPI-F	
RW26 - MIRL (PCL)	NPI-F	
RW03 - MIRL (PCL)	NPI-P	
RW21 - MIRL (PCL), VASI-4L (PCL)	NPI-P	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					3.00	52.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	1040FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - VDP IS LESS THAN 0.5 NM AFTER STEPDOWN.

ALL TREES ASSUMED TO BE 60 FT.

HOLDING PATTERN LOCATED ALONG AIRSPACE OF V-264. THIS WILL PERMIT ON HOLDING PATTERN FOR PROCEDURE TURNS FOR VOR RWY 21 & VOR RWY 26. EXISTING AIRSPACE USED.

CHART ALTITUDE 6100 PRIOR TO TCC VORTAC IN PROFILE. DUE TO 5054 TWR (35-001198), 350803.40N/1034155.40W - LOCATED IN ENTRY AREA OF PROCEDURE TURN SEGMENT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	213.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	4200
DISTANCE FROM	THLD	TO 1500FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	213.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	4200

THRESHOLD COORDINATES (IF STR-IN)	351119.20N/1033539.61W
ARP COORDINATES	351058.00N/1033611.50W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 3 DISTANCE 0.61 NM
FAF COORDINATES	
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (BARBARA GORMAN)	AJV-A432	11/03/2025	AERONAUTICAL INFORMATION SPECIALIST