

**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, HAO, 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> KTYL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> TAYLOR	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 5823	<u>TDZE</u> 5758	<u>SUPERSEDED</u> GPS RWY 21	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 05/02/2013	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<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>
HOZER		DPAUL		TF	FB	1.00	008.59	20.95	9900
SJN VORTAC		DPAUL		TF	FB	1.00	267.29	33.81	9200
AVANS		BANZO		TF	FB	1.00	117.63	22.79	8400
DPAUL	IAF	CAMBA	NOPT	TF	FB	1.00	299.89	9.75	8000
BANZO	IAF	CAMBA	NOPT	TF	FB	1.00	132.87	9.19	8000
CAMBA	IF	BOLYN	PFAF	TF	FB	1.00	211.38	4.92	7400
BOLYN	FAF	ZUKUV/1.78 NM TO RW21		TF	FB	0.30	212.84	3.33	
ZUKUV/1.78 NM TO RW21		RW21	MAP	TF	FO	0.30	212.84	1.78	
RW21	MAP	6300 MSL		CA			212.84		6300
6300 MSL		CAMBA		DF	FO	1.00			8000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6300 THEN CLIMBING RIGHT TURN TO 8000 DIRECT CAMBA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NE CAMBA, RT, 211.38 INBOUND, 8000 FT. IN LIEU OF PT (IAF), MAX 13000.

3. FAC: 212.84PFAF: BOLYNDIST PFAF TO MAP: 5.11DIST PFAF TO THLD: 5.11

4. MIN ALT: CAMBA 8000, BOLYN 7400, ZUKUV/1.78 NM TO RW21 6340

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.74GS ANT:

6. MIN GP INCPT: 7400GP ALT AT PFAF : BOLYN 7400OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 52.0

8. MSA FROM: RW21 8900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 26°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

FAS OBST: 5792 AAO 342700N/1100609W.
CHART VDP AT 1.27 NM TO RW21.
WAAS CHANNEL # 53344
REFERENCE PATH ID: W21A
CHART CIRCLING ICON.
LTP HAE: 1719.3 M

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
LPV DA	6008	3/4	250	6008	3/4	250	6008	3/4	250	6008	3/4	250			
LNAV/VNAV DA	6008	3/4	250	6008	3/4	250	6008	3/4	250	6008	3/4	250		QUALITY 10 CHECKED	
LNAV MDA	6180	1	422	6180	1	422	6180	1 1/4	422	6180	1 1/4	422			
CIRCLING	6320	1	497	6440	1	617	6440	1 3/4	617	6480	2	657			

CHANGES - REASONS

1. AMENDED PROCEDURE NAME FROM "GPS RWY 21" TO "RNAV (GPS) RWY 21" - 8260.19I 8-7-1 A
2. ALL COURSES CHANGED BY 3 DEGREES - AIRPORT MAG VAR CHANGED FROM "E12/2020" TO "E9/2025".
3. DELETED LINE OF MINIMUM S-21 - NO LONGER REQUIRED.
4. AMENDED AIRPORT ELEVATION/TDZE FROM "5820/5759" TO "5823/5758" - TO MATCH AIRNAV.
5. ADDED LPV, LNAV/VNAV AND LNAV LINE OF MINIMUMS - PER FPT CHECKLIST.
6. AMENDED DISTANCE/ALTITUDE FOR TERMINAL ROUTE HOZER TO DPAUL FROM "22.92/9800" TO "20.95/9900" - MOVED DPAUL 4.76 NM SE AND PER FPT CHECKLIST.
7. AMENDED DISTANCE FOR TERMINAL ROUTE SJN VORTAC TO DPAUL FROM "37.99" TO "33.81" - MOVED DPAUL 4.76 NM SE AND FPT CHECKLIST.
8. AMENDED DISTANCE/ALTITUDE FOR TERMINAL ROUTE AVANS TO BANZO FROM "26.76/8900" TO "22.79/8400" - MOVED BANZO 4.38 NM NW AND FPT CHEKLIST.
9. AMENDED DISTANCE/ALTITUDE FOR TERMINAL ROUTE DPAUL TO CAMBA FROM "5.00/7700" TO "9.75/8000" - MOVED DPAUL 4.76 NM SE AND FPT CHECKLIST.
10. AMENDED DISTANCE/ALTITUDE FOR TERMINAL ROUTE BANZO TO CAMBA FROM "5.00/7700" TO "9.19/8000" - MOVED BANZO 4.38 NM NW AND FPT CHECKLIST.
11. AMENDED DISTANCE/ALTITUDE FOR TERMINAL ROUTE CAMBA TO BOLYN FROM "5.00/7300" TO "4.92/7400" - MOVED BOLYN 0.11 NM SOUTH AND FPT CHECKLIST.
12. ADDED TERMINAL ROUTE SEGMENT "ZUKUV TO RW21" - 8260.19I 8-7-1B (2)
13. AMENDED MAP FROM "MAP: RW21" TO "MAP: LPV: DA, LNAV/VNAV: DA, LNAV: RW21" - 8260.19I 8-6-6C (1).
14. ADDED MISSED APPROACH CA AND DF LEGS TO TERMINAL ROUTES SEGMENTS - 8260.58A 3-5-2.
15. AMENDED PROFILE LINE 2 FROM "HOLD NE OF CAMBA WP. RT. 209.17 INBOUND, 7700 FT IN LIEU OF PT (IAF)" TO "HOLD NE OF CAMBA, RT 211.38 INBOUND, 8000 FT IN LIEU OF PT (IAF), MAX 13000" - MAGVAR CHANGED AND PER FPT CHECKLIST.
16. AMENDED PROFILE LINE 3 FAC FROM "209.13" TO "212.84"; DIST FAF TO THLD FROM "5.00" TO "5.11" - MAG VAR CHANGED AND PER FPT CHECKLIST FAC MOVED.
17. ADDED TO PROFILE LINE 3 "DIST FAF TO MAP "5.11" - 8260.19I 8-6-7 C (3).
18. AMENDED PROFILE LINE 4 MIN. ALT FROM "CAMBA WP 7700, BOLYN WP 7300" TO "CAMBA 8000, BOLYN 7400, ZUKUV/1.78 NM TO RW21 6340" - 8260.19I 8-6-7 D (2).
19. ADDED "DIST TO THLD FROM FAF "250 HAT: 0.74" TO PROFILE LINE 5" - 8260.19I 8-6-7 E
20. ADDED "MIN GP INCPT: 7400" AND "GP ALT AT FAF: BOLYN" TO PROFILE LINE 6 - 8260.19I 8-6-7 F.
21. ADDED "GP ANGLE: 3.00, 34:1: IS CLEAR, 20:1 IS CLEAR, TCH: 52.0" TO PROFILE LINE 7- NO PENETRATIONS EXIST, PER 8260.19I 8-6-7 G.
22. ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS - IAW 8260.19I 8-6-8.B. (1).
23. ADDED CHART NOTE "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C OR ABOVE 54C." - 8260.19I 8-6-7 R.
24. ADDED CHART PROFILE NOTE "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - 8260.19I 8-6-7 M (1).
25. ADDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA." - 8260.19I 8-6-9 F (4).
26. AMENDED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING RIGHT TURN TO 7700 DIRECT TO CAMBA WP AND HOLD" TO "CLIMB TO 6300 THEN CLIMBING RIGHT TURN TO 8000 DIRECT CAMBA AND HOLD" - 8260.19I 8-6-6 D (11).
27. ADDED FAS DATA BLOCK INFORMATION - PER 8260.19I 8-6-7 I (3)
28. AMENDED CHART FAS OBS FROM "5869 WATER TWR 342747/1100558" TO "5792 AAO 342700N/1100609W" TO ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10 C.
29. DELETED ADDITIONAL FLIGHT DATA "BOLYN WP TO RW21: 2.92/35" - VDA NOT DOCUMENTED ON PRECISION PROCEDURES.
30. AMENDED CIRCLING CAT A HAA FROM "500" TO "497", CAT B MDA/HAA FROM "6380/560" TO "6440/617", CAT C FROM "6380/560" TO "6440/617" AND CAT D HAA FROM "660" TO "657" - NEW CONTROLLING OBSTACLES WITH 2C ACCURACY PER FPT CHECKLIST.
31. AMENDED VIS CAT C FROM "1 1/2" TO "1 3/4" - NEW VISCHECK EVALUATION.
32. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA APPLIED. 8260.19I 8-6-10 S.
33. AMENDED PROFILE LINE 8 MSA FROM "10400" TO "8900" - NEW OBSTACLE.
34. ADDED "LTP HAE: 1719.3M" TO ADDITIONAL FLIGHT DATA. - 8260.19I 2-11-6 B.
35. ADDED "CHART VDP: 1.27 NM TO RW21" TO ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10 N (2).
36. REMOVED CHART NOTE "PROCEDURE NA AT NIGHT" - VISUAL AREAS ARE CLEAR AND SURVEY SUPPORTS NIGHT OPERATIONS.
37. ADDED THE WORD "STANDARD" TO ALTERNATE MINIMUMS - 8260.19I 8-6-11 B (4).

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZAB, ARPT MANAGER, STATE AVIATION DIRECTOR

FLIGHT CHECKED BY

BRYAN VEIT

Digitally signed by

MARK D ADAMS

Sep 20, 2021

OFFICE

FPO

DATE

09/16/2021

DEVELOPED BY

ANA VEGA

Digitally signed by

ANA Y VEGA

Jul 21, 2021

OFFICE

AJV-A411

DATE

06/30/2021

APPROVED BY

JULIE MORGAN

Digitally signed by

MARK D ADAMS

Sep 20, 2021

OFFICE

AJV-A410

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTYL
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	342735.6400N
LTP/FTP LONGITUDE	1100626.2800W
LTP/FTP ELLIPSOIDAL HEIGHT	+17193
FPAP LATITUDE	342629.0955N
FPAP LONGITUDE	1100738.0800W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	FAC80DB0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+17433
FPAP ORTHOMETRIC HEIGHT	+17433

