

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (RNP) 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 ID</u> KAUS	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 36L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> AUSTIN	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 542	<u>TDZE</u> 496	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 35L	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 4E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> 04/22/2021	<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>
LAMAS	IAF	CAMDY		TF	FB	1.00	354.69	4.00	4000
CAMDY	IAF	BIIRD		TF	FB	1.00	354.69	6.33	2500
BIIRD	IF	FUNNN	PFAF	TF	FB	1.00	354.70	3.00	1600
LIPSS	IF	POIMM		TF	FB	1.00	115.13	4.98	3100
LAIDY	IF	ANGGS		TF	FB	1.00	174.66	3.25	3900
ANGGS		POIMM		RF	FB	1.00	(2.36 NM RADIUS CCW (CFFFP))	2.45	3100
POIMM		SUKEY		RF	FB	0.80	(2.36 NM RADIUS CCW (CFLDZ))	2.96	2200
SUKEY		FUNNN		RF		1.00	(2.36 NM RADIUS CCW (CFFFQ))	2.00	1600
SMRFF	IF	SQWCH		TF	FB	1.00	174.78	4.15	3900
SQWCH		ZILKR		RF	FB	1.00	(2.28 NM RADIUS CW (CFFTB))	3.49	2800
BOWTZ	IF	ZILKR		TF	FB	1.00	262.47	3.66	2800
ZILKR		HEGVO		TF	FB	1.00	262.21	1.00	2400
HEGVO		ODINE		RF	FB	1.00	(2.53 NM RADIUS CW (CFFDX))	2.19	2200
ODINE		FUNNN		RF		1.00	(2.53 NM RADIUS CW (CFRDH))	1.89	1600
FUNNN	PFAF	RW36L	MAP	TF	FO	0.30	354.69	3.32	
RW36L	MAP	1700 MSL		CA			354.69		1700
1700 MSL		GARDS		DF	FO	1.00			3500

QUALITY  
47  
CHECKED

MISSED APPROACH

MAP:  
RNP: DA

MISSED APPROACH INSTRUCTIONS:  
CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 3500 DIRECT GARDS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT FUNNN					
3. FAC: 354.69	PFAF: FUNNN		DIST PFAF TO MAP:		DIST PFAF TO THLD:
4. MIN ALT: FUNNN 1600					
5. DIST TO THLD FROM PFAF: 3.32	MM:	IM:	150 HAT:	262 HAT: 0.68	GS ANT:
6. MIN GP INCPT: 1600	GP ALT AT PFAF : FUNNN 1600		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 54.3		
8. MSA FROM: RW36L 3100					

PBN REQUIREMENTS NOTE:

RNP AR APCH.  
RADAR REQUIRED.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5°C OR ABOVE 54°C.  
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE ADJACENT TO LIPSS: RF REQUIRED.  
CHART PLANVIEW NOTE ADJACENT TO LAIDY: RF REQUIRED.  
CHART PLANVIEW NOTE ADJACENT TO SMRFF: RF REQUIRED.  
CHART PLANVIEW NOTE ADJACENT TO BOWTZ: RF REQUIRED.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 4500 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 5500.  
CHART PLANVIEW NOTE AT LAIDY: DO NOT EXCEED 210 KIAS UNTIL FUNNN.  
CHART PLANVIEW NOTE AT SMRFF: DO NOT EXCEED 210 KIAS UNTIL FUNNN.  
CHART PLANVIEW NOTE AT BOWTZ: DO NOT EXCEED 210 KIAS UNTIL FUNNN.  
CHART PLANVIEW NOTE AT LIPSS: DO NOT EXCEED 210 KIAS UNTIL FUNNN.  
CHART PLANVIEW NOTE AT LIPSS: RNP 0.80.  
CHART PLANVIEW NOTE AT LAIDY: RNP 0.80.

ADDITIONAL FLIGHT DATA:

CHART: MANDATORY 5000 AT LAIDY AND SMRFF.  
CHART: MANDATORY 4000 AT BOWTZ, CAMDY AND LIPSS.  
CHART: MINIMUM 5000 AT LAMAS.  
HOLD SW, RT, 042.05 INBOUND.



**AIRPORT ID**  
KAUS

**PROCEDURE NAME**  
RNAV (RNP) Z RWY 36L

**ORIGINAL/AMENDMENT**  
2

**CITY**  
AUSTIN

**STATE**  
TX

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ STANDARD

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
AUTHORIZATION REQUIRED															
RNP 0.11 DA	758	4000	262	758	4000	262	758	4000	262	758	4000	262			
RNP 0.30 DA	858	4000	362	858	4000	362	858	4000	362	858	4000	362			



## CHANGES - REASONS

1. UPDATED PROCEDURE NAME FROM RNAV (RNP) Z RWY 35L TO RNAV (RNP) Z RW 36L- RWY RENUMBERING PROJECT.
2. UPDATED ANGSS TO POIMM CF FIX FROM CFLDZ TO CFFFP- NEW ANGSS COORDINATES.
3. UPDATED POIMM TO SUKEY RNP VALUE FROM 1.0 TO 0.80- TO ACCOMODATE BANK ANGLE ABOVE 20 DEGREES PER 8260.58B 1-2-5.
4. UPDATED SUKEY TO FUNNN CF FIX FROM CFLDZ TO CFFFQ- CFLDZ USED FOR PRIOR RF LEG AND TARGETS DATA GENERATED NEW CNF CENTER POINT.
5. UPDATED SMRFF TO SQWCH COURSE/DISTANCE FROM 174.76/4.06 TO 174.78/4.15-NEW SQWCH COORDINATES.
6. REPLACED FIX MYOPE WITH ZILKR, ALT REMAINS AT 2800 AND FIX MOVED 0.08 EAST OF OLD MYOPE TO 1 NM FROM HEGVO - REVISED CRITERIA.
7. REMOVED LEG SQWCH TO MYOPE AND ADDED LEG SQWCH TO ZILKR RF SEGMENT 2.28 NM RADIUS CW (CFFDF) 3.49 NM- FIX ZILKR ADDED PER FPT REQUEST.
8. REMOVED LEG BOWTZ TO MYOPE AND ADDED LEG BOWTZ TO ZILKR TF SEGMENT COURSE 262.47/3.66 NM- FIX ZILKR ADDED PER FPT REQUEST.
9. REMOVED LEG MYOPE TO HEGVO AND ADDED ZILKR TO HEGVO TF SEGMENT COURSE 262.21/1.00 NM- FIX ZILKR ADDED PER FPT REQUEST.
10. UPDATED HEGVO TO ODINE CF FIX FROM CFRDH TO CFFDX- NEW HEGVO AND ODINE FIX LOCATIONS.
11. ADDED NEW IAF SEGMENT LAMAS TO CAMDY AT OR ABOVE 5000- PER FPT REQUEST.
12. LOWERED ALTITUDE AT CAMDY FROM 4400 TO 4000- TO ALLOW TRANSITION FROM STARS FOR KAUS PROCEDURES.
13. ADDED CHART PLANVIEW NOTE FOR .8 RNP VALUE AT LIPSS AND LAIDY- 8260.19I 4-6-10F.
14. CHANGED NOTE 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5C (22F) OR ABOVE 54C (130F)' TO 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5C OR ABOVE 54C' - FAHRENHEIT TEMPERATURE REMOVAL PER 8260.19H PARA. 8-6-9S. LOW TEMPERATURE CHANGE FROM -6C TO -5C PER UPDATED 5-YEAR WEATHER HISTORY CALCULATION.
15. REMOVED NOTE 'GPS REQUIRED' - NOT REQUIRED FOR RNP APPROACHES.
16. MOVED PLANVIEW NOTE 'RADAR REQUIRED' TO PBN REQUIREMENT NOTES - PER 8260.19H PARA. 8-6-8.
17. ADDED 'RNP AR APCH' TO PBN REQUIREMENT NOTES - PER 8260.19H PARA. 8-6-8 B(1).
18. ADDED 20:1 IS CLEAR- REQUIRED FOR RNAV APPROACHES PER 8260.19H PARA. 8-6-7 G(3).
19. CHANGED LINE 5 FROM DIST TO THLD FROM OM: 3.32 TO DIST TO THLD FROM PFAF: 3.32 - REVISED CRITERIA..
20. REMOVED ADDITIONAL FLIGHT DATA NOTES #TCH 541.6 MSL (DO NOT CHART), ROUTE TYPE: A, H, ROUTE TYPE QUALIFIER 1: F, ROUTE TYPE QUALIFIER 2: S- NO LONGER REQUIRED.
21. LINE 7 CHANGED TCH FROM 54.3# TO 54.3 - # NO LONGER REQUIRED.
22. LOWERED RNP 0.11 MDA/HAT FROM 765/269 TO 758/262- NEW TARGETS CALCULATIONS.
23. LOWERED RNP 0.30 MDA/HAT FROM 952/456 TO 858/362- NEW TARGETS EVALUATIONS.
24. CHANGED 269 HAT: 0.67 TO 262 HAT: 0.68- LOWER HAT RESULTED IN DA MOVING 0.01 NM.
25. CHANGED RNP 0.11 VIS FROM RVR 2400 TO RVR 4000 AND RNP 0.30 VIS FROM RVR 6000 TO RVR 4000 - HAT CHANGE AND MALSR CHANGED TO MALS.
26. UPDATED SEGMENT BIIRD TO FUNNN COURSE FROM 354.71 TO 354.70 - BIIRD MOVED 4.39 FEET EAST.
27. ADDED ADDITIONAL FLIGHT DATA ENTRY CHART MINIMUM 5000 AT LAMAS - ADDED LAMAS AS AN IAF AND FIX ALTITUDE REQUIRED BY ATC.
28. CHANGED NOTE FROM FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 4500 AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 SM TO FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 4500 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 5500 - RNP 0.11 AND 0.30 DA/HAT LOWERED AND ALS CHANGED FROM MALSR TO MALS.
29. CHART PLANVIEW NOTE AT LAIDY, SMRFF, BOWTZ AND LIPSS CHANGED FROM MAX 210 KIAS UNTIL FUNNN TO DO NOT EXCEED 210 KIAS UNTIL FUNNN - REVISED CRITERIA.
30. REMOVED CHART: MINIMUM 4400 AT CAMDY - ENTRY NOT REQUIRED, ADDED IAF LAMAS TO CAMDY.

THIS IS AN UPDATED COPY OF THE FORMS DEVELOPED ON 12/08/2020.

1. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 04/22/2021.

## COORDINATED WITH:

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, AUS ATCT, AUS APP CON, ARPT MGR, ST. AV. DIR.

*Digitally signed by*

**FLIGHT CHECKED BY**  
PENDING

**ALLAN WILL**

**OFFICE**

**DATE**

Mar 16, 2021

*Digitally signed by*

**DEVELOPED BY**  
MICHAEL W HARRIS

**ALLAN WILL**

**OFFICE**

**DATE**

AJV-A423

12/08/2020

Mar 16, 2021

**APPROVED BY**  
MARLON ROBINSON

*Digitally signed by*

**ALLAN WILL**

**OFFICE**

**DATE**

AJV-A420

**TITLE**  
MANAGER

Mar 16, 2021

QUALITY  
47  
CHECKED