

**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 36R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> AUSTIN	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 542	<u>TDZE</u> 480	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 35R	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 4E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
BALLD	IAF	SSHOE		TF	FB	1.00	354.70	8.73	2500
SSHOE	IF	FNNLY	PFAF	TF	FB	1.00	354.70	3.02	1600
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
LIPSS	IF	POIMM		TF	FB	1.00	115.13	4.98	3100
POIMM		RFRCE		RF	FB	1.00	(2.36 NM RADIUS CCW (CFFKG))	1.22	3100
RFRCE		BLURG		TF	FB	1.00	085.63	1.21	2700
BLURG		TREKS		RF	FB	1.00	(2.26 NM RADIUS CCW (CFLHH))	1.68	2200
TREKS		FNNLY		RF	FB	1.00	(2.26 NM RADIUS CCW (CFFJS))	1.90	1600
SMRFF	IF	WRRDD		TF	FB	1.00	174.74	4.07	3800
WRRDD		MYOPE		RF	FB	1.00	(2.36 NM RADIUS CW (CFMGD))	3.62	2800
BOWTZ	IF	MYOPE		TF	FB	1.00	262.47	3.74	2800
MYOPE		APALE		RF	FB	1.00	(2.36 NM RADIUS CW (CFFKH))	1.90	2200
APALE		FNNLY		RF	FB	1.00	(2.36 NM RADIUS CW (CFMFD))	1.90	1600
FNNLY	PFAF	RW36R	MAP	TF	FO	0.30	354.70	3.37	
RW36R	MAP	1000 MSL		CA			354.70		1000
1000 MSL		HOOKK		DF	FO	1.00			3000



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT HOOKK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT FNNLY					
3. FAC: 354.70	PFAF: FNNLY	DIST PFAF TO MAP:	DIST PFAF TO THLD:		
4. MIN ALT: FNNLY 1600					
5. DIST TO THLD FROM PFAF: 3.37	MM:	IM:	150 HAT:	264 HAT: 0.68	GS ANT:
6. MIN GP INCPT: 1600	GP ALT AT PFAF: FNNLY 1600	OM:	MM:	IM:	
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 52.4		
8. MSA FROM: RW36R 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: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART PLANVIEW NOTE ADJACENT TO LAIDY: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO LIPSS: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO SMRFF: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO BOWTZ: RF REQUIRED.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 4500, RNP 0.16 ALL CATS VISIBILITY TO RVR 6000, AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/4 SM.
 CHART PLANVIEW NOTE AT LAIDY: DO NOT EXCEED 210 KIAS UNTIL FNNLY.
 CHART PLANVIEW NOTE AT LIPSS: DO NOT EXCEED 210 KIAS UNTIL FNNLY.
 CHART PLANVIEW NOTE AT BOWTZ: DO NOT EXCEED 210 KIAS UNTIL FNNLY.
 CHART PLANVIEW NOTE AT SMRFF: DO NOT EXCEED 210 KIAS UNTIL FNNLY.

ADDITIONAL FLIGHT DATA:

CHART: MINIMUM 4000 AT BALLD.
 CHART: MANDATORY 5000 AT LAIDY.
 CHART: MANDATORY 4000 AT BOWTZ.
 CHART: MANDATORY 5000 AT SMRFF.
 CHART: MANDATORY 4000 AT LIPPS.
 HOLD E, RT, 267.66 INBOUND.



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
AUTHORIZATION REQUIRED															
RNP 0.11 DA	744	2400	264	744	2400	264	744	2400	264	744	2400	264			
RNP 0.16 DA	862	3500	382	862	3500	382	862	3500	382	862	3500	382			
RNP 0.30 DA	915	4000	435	915	4000	435	915	4000	435	915	4000	435			

CHANGES - REASONS

1. UPDATED PROCEDURE NAME FROM RNAV (RNP) Z RWY 35R TO RNAV (RNP) Z RWY 36R- RUNWAY RENUMBERING PROJECT.
2. CHANGED NOTE 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -6°C (22°F) OR ABOVE 54°C (130°F)' TO 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5°C OR ABOVE 54°C' - FAHRENHEIT TEMPERATURE REMOVAL PER 8260.19H PARA. 8-6-9S. LOW TEMPERATURE CHANGE FROM -6°C TO -5°C PER UPDATED 5-YEAR WEATHER HISTORY CALCULATION ADDED.
3. ADDED 20:1 IS CLEAR TO PROFILE VIEW - REQUIRED FOR RNAV APPROACHES PER 8260.19I PARA. 8-6-7 G(3).
4. REMOVED NOTE 'GPS REQUIRED' - NOT REQUIRED FOR RNP APPROACHES.
5. MOVED PLANVIEW NOTE 'RADAR REQUIRED' TO PBN REQUIREMENT NOTES - PER 8260.19H PARA. 8-6-8.
6. ADDED 'RNP AR APCH' TO PBN REQUIREMENT NOTES - PER 8260.19H PARA. 8-6-8 B(1).
7. REMOVED ADDITIONAL FLIGHT DATA NOTES #TCH 526.0 MSL (DO NOT CHART), ROUTE TYPE: A, H, ROUTE TYPE QUALIFIER 1: F, ROUTE TYPE QUALIFIER 2: S- NO LONGER REQUIRED.
8. CHANGED INOP ALS NOTE TO READ CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 4500, RNP 0.16 ALL CATS VISIBILITY TO RVR 6000, AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/4 SM- NEW VIS CHECK DATA APPLIED.
9. CHANGED LINE 5 FROM DIST TO THLD FROM OM: 3.37 TO DIST TO THLD FROM PFAF: 3.37 - SIAP UPDATE.
10. CHANGED POIMM TO RFRCE CNF FROM CFLDZ TO CFFKG- FIX COORDINATES UPDATED.
11. CHANGED TREKS TO FNNLY CNF FIX FROM CFLHH TO CFFJS- FIX COORDINATES UPDATED.
12. CHANGED MYOPE TO APALC CNF FIX FROM CFMGM TO CFFKH- FIX COORDINATES UPDATED.
13. DECREASED LAIDY TO ANGG DISTANCE FROM 3.26 TO 3.25- NEW FIX COORDINATES AND TARGETS DATA.
14. LOWERED RNP 0.11 DA/HAT FROM 751/271 TO 744/264 - NEW TARGETS CALCULATIONS.
15. LOWERED RNP 0.16 MDA/HAT FROM 873/393 TO 862/382- NEW TARGETS CALCULATIONS.
16. LOWERED RNP 0.30 MDA/HAT FROM 951/471 TO 915/435- NEW TARGETS CALCULATIONS.
17. CHART PLANVIEW NOTE AT LAIDY, SMRFF, BOWTZ AND LIPSS CHANGED FROM MAX 210 KIAS UNTIL FNNLY TO DO NOT EXCEED 210 KIAS UNTIL FNNLY - REVISED CRITERIA
18. CHANGED SEGMENT LIPSS TO POIMM ALT FROM 3500 TO 3100 - PER 8260.19I PARA 8-6-4C(2).
19. CHANGED TERMINAL ROUTES FROM "FNNLY TO RW35R" TO "FNNLY TO RW36R" AND FROM "RW35R TO 1000 MSL" TO "RW36R TO 1000 MSL - RUNWAY RENUMBERED.
20. LINE 7 TCH CHANGED FROM 52.4# TO 52.4 - # NO LONGER REQUIRED.
21. CHANGED RNP 0.16 DA VIS FROM RVR 4500 TO RVR 3500 AND RNP 0.30 VIS FROM RVR 6000 TO RVR 4000 - LOWER MINIMUMS.
22. CHANGED DISTANCE TO THLD FROM 271 HAT: 0.71 NM TO 264 HAT: 0.68 - LOWERED DA.
23. CHANGED SEGMENT FROM "ANGGS TO RFRCE RF FB 1.00 COURSE/DIST (2.36 NM RADIUS CCW (CFLDZ/3.67 ALT 3100)" TO "ANGGS TO POIMM RF FB 1.00 COURSE/DIST 2.36 NM RADIUS CCW (CFFFP) 2.45 ALT 3100" AND POIMM TO RFRCE RF FB 1.00 COURSE/DIST 2.36 NM RADIUS CCW (CFFKG) 1.22 ATL 3100 - PER ATC REQUEST.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZHU, AUS ATCT, AUS APP CON, ARPT MGR, ST. AV. DIR.

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Mar 15, 2021

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Jan 28, 2021

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