

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</u> AUSTIN-BERGSTROM INTL	<u>AIRPORT ID</u> KAUS	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 17R	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> AUSTIN	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 542	<u>TDZE</u> 542	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 17R	<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>	<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>
TRPPN	IAF	RUBZZ		TF	FB	1.00	354.66	3.14	5000
RUBZZ	IF	PEAYR		TF	FB	1.00	354.66	3.26	3800
PEAYR		MAYHL		RF	FB	1.00	(2.36 NM RADIUS CW (CFTZL))	5.93	2000
MAYHL		ELLBJ		RF	FB	1.00	(2.36 NM RADIUS CW (CFTZL))	1.49	1600
HOUKM	IAF	UTEEE		TF	FB	1.00	147.56	7.68	2500
JEDYE	IAF	UTEEE		TF	FB	1.00	204.74	4.54	2500
UTEEE	IF	BRAZA		TF	FB	1.00	174.70	1.00	2200
BRAZA		ELLBJ		TF	FB	1.00	174.69	2.00	1600
XWING	IF	ALLOU		TF	FB	1.00	291.51	3.04	3200
SMRFF	IF	RGGLS		TF	FB	1.00	354.74	4.04	3900
RGGLS		ALLOU		RF	FB	1.00	(2.43 NM RADIUS CCW (CFCHJ))	2.69	3200
ALLOU		OVUKE		RF	FB	1.00	(3.00 NM RADIUS CCW (CFCGB))	1.39	2900
OVUKE		BOUGR		TF	FB	1.00	264.90	1.14	2500
BOUGR		RODNT		RF	FB	1.00	(2.00 NM RADIUS CCW (CFNXT))	1.79	1900
RODNT		ELLBJ		RF	FB	1.00	(2.00 NM RADIUS CCW (CFNXT))	1.36	1600
ELLBJ	PFAF	RW17R	MAP	TF	FO	0.30	174.68	3.14	
RW17R	MAP	1000 MSL		CA			174.68		1000
1000 MSL		GARDS		DF	FO	1.00			3500

QUALITY
6
CHECKED

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1000 THEN CLIMBING RIGHT 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 ELLBJ					
3. FAC: 174.68	PFAF: ELLBJ		DIST PFAF TO MAP:		DIST PFAF TO THLD:
4. MIN ALT:					
5. DIST TO THLD FROM OM: 3.14	MM:	IM:	150 HAT:	341 HAT: 0.89	GS ANT:
6. MIN GP INCPT: 1600	GP ALT AT PFAF : ELLBJ 1600		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 59.3		
8. MSA FROM: RW17R 3100					

PBN REQUIREMENTS NOTE:

RNP AR APCH.
RF REQUIRED.
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 PLANVIEW NOTE ADJACENT TO TRPPN IAF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO XWING: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO SMRFF: RF REQUIRED.
CHART PLANVIEW NOTE AT TRPPN: MAX 210 KIAS UNTIL ELLBJ.
CHART SPEED ICON IN PLANVIEW AT HOUKM : MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT JEDYE : MAX 210 KIAS.
CHART PLANVIEW NOTE AT SMRFF : MAX 210 KIAS UNTIL ELLBJ.
CHART PLANVIEW NOTE AT XWING : MAX 210 KIAS UNTIL ELLBJ.

ADDITIONAL FLIGHT DATA:

CHART: MANDATORY 5000 AT HOUKM AND SMRFF.
CHART: MANDATORY 4000 AT JEDYE AND XWING.
CHART: MANDATORY 6000 AT TRPPN.
HOLD SW, RT, 042.05 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 0.30 DA	883	4000	341	883	4000	341	883	4000	341	883	4000	341			

CHANGES - REASONS

1. RAISED DA/HAT FROM 861/319 TO 883/341 - NEW CONTROLLING OBSTACLE 582 TOWER (48-144442) 4D. CLEARS T-NOTAM.

2. CHANGED 319 HAT: 0.82 TO 341 HAT: 0.89 IN PROFILE VIEW - HIGHER HAT RESULTED IN DA MOVING 0.07 NM BACK FROM THRESHOLD.

3. ADDED 20:1 IS CLEAR TO PROFILE VIEW - REQUIRED FOR RNAV APPROACHES PER 8260.19H PARA. 8-6-7 G(3).

4. ADDED 'RNP AR APCH' AND 'RF REQUIRED' TO PBN REQUIREMENT NOTES - PER 8260.19H PARA. 8-6-8 B(1)(2).

5. MOVED PLANVIEW NOTE 'RADAR REQUIRED' TO PBN REQUIREMENT NOTES - PER 8260.19H PARA. 8-6-8. ORIGINALLY REQUESTED BY ATC AS AN OPTION TO VECTOR AIRCRAFT TO FINAL APPROACH COURSE.

6. REMOVED NOTE 'GPS REQUIRED' - NOT REQUIRED FOR RNP APPROACHES.

7. 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.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER:

FLIGHT CHECKED BY GARY BELL	<i>Digitally signed by</i> JOHN BORDY Nov 02, 2020	OFFICE FICO	DATE 11/1/2020	
DEVELOPED BY RALPH DUMAR	<i>Digitally signed by</i> RALPH DUMAR May 22, 2020	OFFICE AJV-A422	DATE 04/20/2020	
APPROVED BY MARLON ROBINSON	<i>Digitally signed by</i> JOHN BORDY Nov 02, 2020	OFFICE AJV-A420	DATE	TITLE MANAGER



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AUSTIN-BERGSTROM INTL	KAUS	RNAV (RNP) Z RWY 17R	1A	AUSTIN	TX	542	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
TRPPN

TO
RUBZZ

RNP DISTANCE PAT MAP HAT HMAS
1.00 3.14

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.AAO	301218.00N/0974830.00W	952	164	98	4E	1000				AC98 AT2950	5000
2.TERRAIN	301218.00N/0974830.00W	752 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
HOUKM

TO
UTEEE

RNP DISTANCE PAT MAP HAT HMAS
1.00 7.68

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
8.AAO	302527.00N/0974630.00W	1152	164	98	4E	1000				AC98	2300
9.TERRAIN	302527.00N/0974630.00W	952 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM
JEDYE

TO
UTEEE

<u>RNP</u> 1.00	<u>DISTANCE</u> 4.54	<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>
10.TOWER (48-020599)	302046.10N/0973808.04W		1049	500	50	5D	1000				AC50 AT401	2500
11.TERRAIN	302221.00N/0974112.00W		755 (800)								AS1500	2300

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
RUBZZ

TO
PEAYR

<u>RNP</u> 1.00	<u>DISTANCE</u> 3.26	<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.BLDG (48-024132)	301553.30N/0974440.42W		1156	500	50	5D	500				AC50 AT2094	3800
4.TERRAIN	301648.00N/0974836.00W		758 (800)								AS1500	2300

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

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

PEAYR

TO

MAYHL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
1.00	5.93											
<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.BLDG (48-024132)		301553.30N/0974440.42W	1156	500	50	5D	500				AC50 AT294	2000
5.TERRAIN		301836.00N/0974730.00W	906 (900)								AS1000	1900

<u>COMPUTATIONS</u>												
<u>RF SEGMENT</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
PEAYR-MAYHL	3800	210	228	3259	44.9	5.93	25					(CFTZL)/2.36 NM

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

MAYHL

TO

ELLBJ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
1.00	1.49											
<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>
6.AAO		301912.00N/0974133.00W	857	164	98	4E	500				AC98	1500
7.TERRAIN		301736.00N/0974030.00W	591 (600)								AS1000	1600

<u>COMPUTATIONS</u>												
<u>RF SEGMENT</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
MAYHL-ELLBJ	2000	210	221.9	1459	30	1.49	25					(CFTZL)/2.36 NM

SEGMENT REMARKS:



INTERMEDIATE

FROM
UTEEE

TO
BRAZA

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
1.00	1.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12.AAO	301936.00N/0974224.00W		922	164	98	4E	500				AC98	1600
13.TERRAIN	301936.00N/0974224.00W		722 (700)								AS1500	2200

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

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM
BRAZA

TO
ELLBJ

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
1.00	2.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
14.AAO	301842.00N/0974300.00W		857	164	98	4E	500				AC98	1500
15.TERRAIN	301754.00N/0974300.00W		598 (600)								AS1000	1600

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

XWING

TO

ALLOU

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
1.00	3.04											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
16.AAO	301830.00N/0973545.00W		834	164	98	4E	500				AC98 AT1768	3200
17.TERRAIN	301830.00N/0973545.00W		634 (600)								AS1500	2100

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

SEGMENT REMARKS:

INTERMEDIATE

FROM

SMRFF

TO

RGGLS

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
1.00	4.04											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
18.AAO	301621.00N/0973600.00W		758	164	98	4E	500				AC98 AT2544	3900
19.TERRAIN	301621.00N/0973600.00W		558 (600)								AS1500	2100

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

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

RGGLS

TO

ALLOU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
1.00	2.69											
<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>
16.AAO		301830.00N/0973545.00W	834	164	98	4E	500				AC98 AT1768	3200
17.TERRAIN		301830.00N/0973545.00W	634 (600)								AS1500	2100

<u>COMPUTATIONS</u>												
<u>RF SEGMENT</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
RGGLS-ALLOU	3900	210	228.4	3359	45.8	2.69	24					(CFCHJ)/2.43 NM

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

ALLOU

TO

OVUKE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
1.00	1.39											
<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>
20.TOWER (48-012369)		301837.66N/0973651.18W	1049	50	20	2C	500				AC20 AT1331	2900
21.TERRAIN		301954.00N/0973748.00W	673 (700)								AS1500	2200

<u>COMPUTATIONS</u>												
<u>RF SEGMENT</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
ALLOU-OVUKE	3200	210	226.1	2359	45.8	1.39	20					(CFCGB)/3 NM

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

OVUKE

TO

BOUGR

<u>RNP</u> 1.00	<u>DISTANCE</u> 1.14	<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>
20.TOWER (48-012369)	301837.66N/0973651.18W	1049	50	20	2C	500				AC20 AT931	2500
22.TERRAIN	302000.00N/0973754.00W	673 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

BOUGR

TO

RODNT

<u>RNP</u> 1.00	<u>DISTANCE</u> 1.79	<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>
23.AAO	301957.00N/0973751.00W		873	164	98	4E	500				AC98 AT429	1900
24.TERRAIN	301954.00N/0973748.00W		673 (700)								AS1000	1700

COMPUTATIONS

RF SEGMENT

BOUGR-RODNT

ALT

2500

KIAS

210

KTAS

223.6

HAA

1959

VKTW

30

TR

1.79

BA

25.12

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

(CFNXT)/2 NM

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM
RODNT

TO
ELLBJ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
1.00	1.36											
<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>
25.AAO	301903.00N/0974133.00W		850	164	98	4E	500				AC98	1500
26.TERRAIN	301654.00N/0974300.00W		591 (600)								AS1000	1600

COMPUTATIONS													
RF SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	
RODNT-ELLBJ	1940	210	221.7	1359	30	1.36	25					(CFNXT)/2 NM	

SEGMENT REMARKS:

FINAL

FROM
ELLBJ

TO
RW17R

<u>RNP</u> 0.30	<u>DISTANCE</u> 3.14	<u>PAT</u>	<u>MAP</u> RW17R	<u>HAT</u> 341			<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>
27.TOWER (48-144442)	301337.75N/0974052.01W		582	250	50	4D		20.61:1			AC50	883

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

SEGMENT REMARKS:



MISSED APPROACH

FROM

1000 MSL

TO

GARDS

RNP	DISTANCE	PAT	MAP	HAT	HMAS						
0.30-1.00											
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3500
28.TWR (48-005076)	300243.00N/0975251.00W	2049	500	50	5D	1000				AC50	3100
29.TERRAIN	300357.00N/0975800.00W	985 (1000)								AS1500	2500

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

MSA

CENTER

RW17R

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (48-005076)	300243.00N/0975251.00W	222	14.5	2049	500	50	5D	1000			3100

MSA REMARKS:



<u>AIRPORT</u>	<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>
AUSTIN-BERGSTROM INTL	KAUS	RNAV (RNP) Z RWY 17R	1A	AUSTIN	TX	542	RNAV

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

SIMULTANEOUS APPROACH AUTHORIZED WITH ILS & RNAV PROCEDURES TO RWY 17L PER FAAO 8260.3D APPENDIX E.

BACKUP ALTIMETER SOURCE NOT ESTABLISHED: RNP PROCEDURE.

VEGETATION HEIGHT: 75 FT

RNP 0.30 OCS SLOPE = 20.61:1, OCS ORIGIN DIST: 3511'

ALL INTERMEDIATE DESCENT GRADIENTS COMPUTED TO BE LESS THAN FINAL APPROACH DESCENT GRADIENT IAW 8260.58A FORMULA 1-3-1.

PROCEDURE CONNECTED TO RNAV STAR, RADAR REQUIRED NOTE PER ATC REQUEST.

VKTW OBTAINED FROM 99% HISTORICAL WIND DATA (MITRE) IAW 8260.58A APPENDIX A.
VKTW AS PER FAAO 8260.58A FORMULA 1-2-8 APPLIED TO FIX ALTITUDES 2000 FT AGL OR LESS FROM AIRPORT ELEVATION (30 KTS).

THE FOLLOWING OBSTACLES CONTAINED 0/0 ACCURACY CODES,
AFFECTED MULTIPLE SEGMENTS IN WORK AREA, MADE 5/E FOR
PROCEDURE DEVELOPMENT (NONE ARE CONTROLLING
OBSTACLES):
48-007390, 48-021579, 48-004012, 48-006180, 48-006181, 48-006193, 48-006719, 48-006721, 48-006731, 48-006732, 48-007275, 48-007394, 48-007400, 48-007402, 48-007403, 48-007404, 48-007405, 48-007407, 48-007408.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
AUS APP CON, AUS TOWER, ZHU ARTCC

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

WX REMARKS:

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW		BSC-G	
RW17L - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17R - MALS, HIRL, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW35L - MALSR, HIRL, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW35R - TDZ, MALSR, HIRL, C/LINE, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 541.4	<u>TCH</u> 59.3	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 60.1
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -5C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -5C	<u>APT ISA</u> +13.93C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2015-2019).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 962 HIGH TEMP 1269.

"VISUAL PORTION OF FINAL" PENETRATIONS



AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AUSTIN-BERGSTROM INTL	KAUS	RNAV (RNP) Z RWY 17R	1A	AUSTIN	TX	542	RNAV

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 - RNP PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

QUALITY
6
CHECKED

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AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AUSTIN-BERGSTROM INTL	KAUS	RNAV (RNP) Z RWY 17R	1A	AUSTIN	TX	542	RNAV

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	2.82
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	178.68
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	5.54
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	178.70
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	700

THRESHOLD
COORDINATES
(IF STR-IN)

301249.02N/0974045.71W

ARP COORDINATES

301140.30N/0974011.55W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 17R DISTANCE 1.24 NM

FAF
COORDINATES

301557.69N/0974050.71W

FIX NAME
COORDINATES

IF UTEEE: 301858.20N/0974055.44W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED
INTERMEDIATE: IF UTEEE TO FAF ELLBJ

QUALITY
6
CHECKED

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AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AUSTIN-BERGSTROM INTL	KAUS	RNAV (RNP) Z RWY 17R	1A	AUSTIN	TX	542	RNAV

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	2.82
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	178.68
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	*RF TRACK 3.69
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	268.90
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	700

THRESHOLD COORDINATES (IF STR-IN)

301249.02N/0974045.71W

ARP COORDINATES

301140.30N/0974011.55W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 17R DISTANCE 1.24 NM

FAF COORDINATES

301557.69N/0974050.71W

FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED
INTERMEDIATE: SDF OVUKE TO FAF ELLBJ
*RF FLT TRACK RADIUS 2.00 CENTERED ON CFNXT.
OVUKE: 301802.05N/0973715.65W
CFNXT: 301600.44N/0973832.06W

QUALITY
6
CHECKED

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AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AUSTIN-BERGSTROM INTL	KAUS	RNAV (RNP) Z RWY 17R	1A	AUSTIN	TX	542	RNAV

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	2.82
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	178.68
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	*RF TRACK 4.61
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	*
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)

301249.02N/0974045.71W

ARP COORDINATES

301140.30N/0974011.55W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 17R DISTANCE 1.24 NM

FAF COORDINATES

301557.69N/0974050.71W

FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED
INTERMEDIATE: SDF PEAYR TO FAF ELLBJ
*RF FLT TRACK RADIUS 2.36 CENTERED ON CFTZL.
PEAYR: 301551.10N/0974617.78W
CFTZL: 301554.40N/0974334.19W

QUALITY
6
CHECKED

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FACILITY
RNAV

TITLE
AERONAUTICAL INFORMATION SPECIALIST