

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
BLV	RNAV (RNP) Z RWY 32L	1	BELLEVILLE	IL		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
459	439	RNAV (RNP) Z RWY 32L	ORIG	11/27/2025	2W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV			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>
JMEOW	IF	JBELL		TF	FB	1.00	138.59	5.00	5000
JBELL		PETEA		RF	FB	1.00	(2.48 NM RADIUS CCW (CFLGJ))	7.80	3000
WITKR	IF	PARLY		TF	FB	1.00	138.62	5.00	5000
PARLY		PETEA		RF	FB	1.00	(2.87 NM RADIUS CW (CFLGK))	9.03	3000
BUFFE	IF	PETEA		TF	FB	1.00	318.66	4.00	3000
PETEA		BLVIL	PFAF	TF	FB	1.00	318.62	2.00	2400
BLVIL	PFAF	RW32L	MAP	TF	FO	0.30	318.60	5.99	
RW32L	MAP	1500 MSL		CA			318.60		1500
1500 MSL		BUFFE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT BUFFE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE		OUTBOUND		FT WITHIN		MILES OF		(IAF)		
2. PROFILE STARTS AT PETEA											
3. FAC: 318.60	PFAF: BLVIL				DIST FAF TO MAP:			DIST FAF TO THLD:			
4. MIN ALT: PETEA 3000, BLVIL 2400											
5. DIST TO THLD FROM PFAF:	5.99	MM:		IM:		150 HAT:		307 HAT:	0.79	GS ANT:	
6. MIN GP INCPT: 2400	GP ALT AT PFAF: BLVIL 2400							OM:	MM:		IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR		20:1: IS CLEAR		TCH: 56.5						
8. MSA FROM: RW32L 2700											

QUALITY
40
CHECKED

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM JBELL, PARLY: RF

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C OR ABOVE 54°C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 4500
CHART SPEED ICON IN PLANVIEW AT JMEOW: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT WITKR: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 318.66 INBOUND.

MINIMUMS:

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

ALTERNATE: NA ☒

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 0.15 DA	746	2400	307	746	2400	307	746	2400	307	746	2400	307			
RNP 0.30 DA	820	3500	381	820	3500	381	820	3500	381	820	3500	381			

CHANGES - REASONS

1. PROFILE: LINE 4: REMOVED PARLY 5000 - FIX NOT ON FINAL, IAW .19K, 8-6-7,D.
2. PROFILE: LINE 5: CHANGED 304 HAT/0.78 TO 307HAT/0.79 - RNP 0.15 DA INCREASED.
3. TERMINAL ROUTES: CHANGED RNP 0.15 DA/HAT FROM 743 DA/ 304 HAT TO 746 DA/307 HAT - NEW CONTROLLING OBSTACLE.
4. TERMINAL ROUTES: CHANGED RNP 0.30 DA/HAT FROM 802 DA/ 363 HAT TO 820 DA/381 HAT - NEW CONTROLLING OBSTACLE.
5. NOTES: REMOVED CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500 - UPDATED VISIBILITY EVALUATION.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZKC, SCOTT TOWER, STL APP CON, HQ AMC TERPS, ANG/DOBA, AMGR

FLIGHT CHECKED BY

OFFICE DATE

DEVELOPED BY
JANTZEN TAYLOR

OFFICE DATE
AJV-A422 02/19/2026

APPROVED BY
RAKE MCGRAW

OFFICE DATE TITLE
AJV-A422 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>
BLV	RNAV (RNP) Z RWY 32L	1	BELLEVILLE	IL	459	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM JMEOW **TO** JBELL

RNP 1.00 **DISTANCE** 5.00 **PAT** **MAP** **HAT** **HMAS**

<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 (17-001871)	382555.56N/0894842.06W	745	50	20	2C	500				AC20 AT3735	5000
TERRAIN	382403.00N/0895148.00W	544 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM JBELL **TO** PETEA

RNP 1.00 **DISTANCE** 7.80 **PAT** **MAP** **HAT** **HMAS**

<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 (17-003823)	382322.01N/0894318.62W	734	50	20	2C	500				AC20 AT1746	3000
TERRAIN	382251.00N/0894045.00W	439 (400)								AS1500	1900

COMPUTATIONS

RF SEGMENT **ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**
JBELL-PETEA 5000 210 232.25 4540.90 50.91 2.48 25.21 0.00 0.00 (CFLGJ)/7.8 NM

SEGMENT REMARKS:



INTERMEDIATE

FROM

WITKR

TO

PARLY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	5.00				

<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 (17-002746)	383127.00N/0894258.00W	709	500	50	5D	500				AC50 AT3741	5000
TERRAIN	383330.00N/0894315.00W	508 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM

PARLY

TO

PETEA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	9.03				

<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 (17-000975)	383121.00N/0893644.00W	653	500	50	5D	500				AC50 AT1797	3000
TERRAIN	383003.00N/0893806.00W	472 (500)								AS1500	2000

COMPUTATIONS

RF SEGMENT

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

PARLY-PETEA

5257

210

233.17

4797.96

34.16

2.87

19.92

0.00

0.00

(CFLGK)/9.03 NM

SEGMENT REMARKS:



INTERMEDIATE

FROM

BUFFE

TO

PETEA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	4.00										
<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 (17-003823)	382322.01N/0894318.62W	734	50	20	2C	500				AC20 AT1746	3000
TERRAIN	382309.00N/0894039.00W	439 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM

PETEA

TO

BLVIL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	2.00										
<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	382833.00N/0894536.00W	666	215	8	4B	500				AC8 AT1226	2400
TERRAIN	382809.00N/0894233.00W	462 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL

FROM

BLVIL

TO

RW32L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.15	5.99		DA				307				
<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 (17-056624)	383156.43N/0894955.84W	534	20	3	1A		21.63:1			AC3	746

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM

BLVIL

TO

RW32L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.99		DA				381				
<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 (17-080855)	383203.12N/0894935.85W	547	20	3	1A		21.61:1			AC3	820

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LEVEL SURFACE

FROM

DA

TO

BUFFE

RNP 0.15-1.00	DISTANCE	PAT	MAP			HAT	HMAS 585				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (17-002868)	383333.00N/0900052.00W	982	500	50	5D	1000					2000
TERRAIN	383309.00N/0895418.00W	672 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LEVEL SURFACE

FROM

DA

TO

BUFFE

RNP 0.30-1.00	DISTANCE	PAT	MAP			HAT	HMAS 659				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (17-002868)	383333.00N/0900052.00W	982	500	50	5D	1000					2000
TERRAIN	383309.00N/0895418.00W	672 (700)								AS1500	2200

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

RW32L

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (29-000382)	383450.00N/0901945.00W	279	23.0	1649	250	50	4D	1000			2700

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ATIS	BLV	24	BLV		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW14L - HIRL, REIL, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW14R - ALSF-1, HIRL, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW32L - ALSF-1, HIRL, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW32R - MALSR, HIRL, PAPI-4L		PIR-G	APPROACH, ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	437.1	56.5			3.00	49.8

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	184
ON CENTERLINE	X	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-15C	+54C	-15C	+14.09C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 961 HIGH TEMP 1267.

"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 - RNP PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100' TREE HEIGHT USED PER FPT.

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	3.16
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	316.60
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	4.73
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	316.60
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN)	383210.46N/0895035.28W
ARP COORDINATES	383242.62N/0895006.67W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 32R DISTANCE 1.32 NM
FAF COORDINATES	382749.33N/0894520.77W
FIX NAME COORDINATES	

REMARKS

THLD DISPLACED 184FT, ACTUAL COORDINATES: 383209.14N/0895033.68W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JANTZEN TAYLOR	AJV-A422	02/19/2026	AERONAUTICAL INFORMATION SPECIALIST

