

**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, 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> SGF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> SPRINGFIELD	<u>STATE</u> MO
<u>AIRPORT ELEVATION</u> 1268	<u>TDZE</u> 1268	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>DATED</u> 11/12/2015	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2000
			<u>CANCEL/SUSPEND</u>	

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 229/30 CW 049/30	NOPT	229/8 CW 049/8		4600
2. 229/8 CW 049/8		RETHA	IF/IAF	3200
3. 049/30 CW 229/30		049/8 CW 229/8		4600
4. 049/8 CW 229/8		RETHA	IF/IAF	3200

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>
RETHA	IF/IAF	APELL		TF	FB	1.00	318.87	6.03	2900
APELL	FAF	RW32	MAP	TF	FO	0.30	318.83	4.96	
RW32	MAP	1518 MSL		CA			318.83		
1518 MSL		JOGPU		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT JOGPU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD SE RETHA, RT, 318.87 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	318.83	FAF:	APELL	DIST FAF TO MAP:	4.96	DIST FAF TO THLD:	4.96							
4.	MIN ALT:	RETHA 3200, APELL 2900													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.62	GS ANT:				
6.	MIN GP INCPT:	2900	GP ALT AT PFAF:	APELL 2900					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	51.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HFJ ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HFJ ALTIMETER SETTING AND INCREASE LPV DA TO 1608 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 1820 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT C AND D 1/2 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 138.68 INBOUND.
CHART FAS OBST: 1490 TOWER (29-000490) 371128N/0931946W.
CHART 1692 TOWER (29-000583) 371014N/0931927W.
CHART VDP AT 1.37 NM TO RW32.
WAAS CHANNEL # 72933
REFERENCE PATH ID: W32A
CHART CIRCLING ICON.
LTP HAE: 357.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	1518	3/4	250	1518	3/4	250	1518	3/4	250	1518	3/4	250			
LNAV/VNAV DA	1730	1 3/8	462	1730	1 3/8	462	1730	1 3/8	462	1730	1 3/8	462			
LNAV MDA	1740	1	472	1740	1	472	1740	1 3/8	472	1740	1 3/8	472			
CIRCLING	1760	1	492	1820	1	552	1820	1 1/2	552	1920	2	652			



<u>AIRPORT ID</u> SGF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> SPRINGFIELD	<u>STATE</u> MO
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CHANGES - REASONS

1. PROFILE: LINE 5 ADDED “250 HAT: 0.62” – UPDATED CRITERIA MOVED FROM ADDITIONAL FLIGHT DATA.

2. PROFILE: LINE 7 ADDED “TCH: 51.0” – 8260.19J, 8-6-7.G(2).

3. PBN REQUIREMENTS: ADDED “RNP APCH – GPS” – 8260.19J, 8-6-8, D.

4. NOTES: DELETED “CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MONETT ALTIMETER SETTING” – KSGF ASOS REPORTS TO WMSCR, SPRINGFIELD APPROACH CONTROL AND TOWER OPEN CONTINUOUSLY.

5. NOTES: CHANGED “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (4F) OR ABOVE 54C (130F)” TO “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C” – CRITICAL TEMPERATURES DOCUMENTED IN CELSIUS ONLY IAW 8260.19J, 8-6-10.R.

6. NOTES: ADDED "BARO-VNAV AND VDP NA WHEN USING HFJ ALTIMETER SETTING" – IAW 8260.19J 8-6-10.E.(8) AND (9).

7. NOTES: CHANGED “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONETT ALTIMETER SETTING AND INCREASE ALL DA 90 FEET AND ALL MDA 100 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS 3/8 MILE, LNAV CATS C AND D 1/4 MILE AND CIRCLING CAT C 1/4 MILE AND CAT D 1/2 MILE” TO “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HFJ ALTIMETER SETTING AND INCREASE LPV DA TO 1608 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 1820 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT C AND D 1/2 SM” – IAW 8260.19I 8-6-10.F(4).

8. NOTES: DELETED “DME/DME RNP-0.3 NA” – UPDATED CRITERIA.

9. NOTES: CHANGED “CHART PROFILE NOTE: VGSI AND RNAV GUIDEPATH NOT COINCIDENT” TO “CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})” – 8260.19J, 8-6-10.M.

10. ADDITIONAL FLIGHT DATA: CHANGED “CHART: 1696 TOWER 371016N/0931928W” TO “CHART 1692 TOWER (29-000583) 371014N/0931927W” – 8260.19J IMPLEMENTATION MESSAGE ATTACHMENT 4 PAR 11.

11. ADDITIONAL FLIGHT DATA: DELETED “DISTANCE TO THLD FROM 200 HATH: 0.47 NM” – DATA MOVED TO PROFILE.

12. ADDITIONAL FLIGHT DATA: DELETED “*LNAV ONLY” – UPDATED CRITERIA.

13. MINIMUMS: LNAV/VNAV DA/HAT INCREASED FROM “1660/392” TO “1730/462” – NEW CONROLLING OBSTACLE, CANCELS T-NOTAM 4/6118.

14. MINIMUMS: LNAV/VNAV VISIBILITY ALL CATEGORIES INCREASED FROM “1 1/4” TO “1 3/8” – NEW CONROLLING OBSTACLE, CANCELS T-NOTAM 4/6118.

15. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM "61290AE2" TO "F5DA2B20" – LTP/FTP LAT/LONG CHANGED FROM "371416.7175N/0932300.6365W" TO "371416.7175N/0932300.6355W"; FPAP LAT/LONG CHANGED FROM "371526.8100N/0932409.6700W" TO "371526.8105N/0932409.6670W".

16. FAS DATA BLOCK INFORMATION: VERTICAL ALERT LIMIT (VAL) INCREASED FROM "35.0" TO "50.0" - LPV HAT WAS RAISED FROM 200 TO 250 PER AMDT 2A, RAISING VAL IAW 8260.19J APPENDIX K.4.X.

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZKC, SGF APCH, AMGR, MO AERO

FLIGHT CHECKED BY

JEFFREY J SCORSE

Digitally signed by

CASIMIR L TABAKA

May 08, 2025

OFFICE

AJF

DATE

05/07/2025

DEVELOPED BY

CASIMIR L. TABAKA (RONALD K. STROBACH)

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CASIMIR L TABAKA

May 08, 2025

OFFICE

AJV-A432

DATE

03/26/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

May 08, 2025

OFFICE

AJV-A432

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSGF
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	371416.7175N
LTP/FTP LONGITUDE	0932300.6355W
LTP/FTP ELLIPSOIDAL HEIGHT	+03572
FPAP LATITUDE	371526.8105N
FPAP LONGITUDE	0932409.6670W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F5DA2B20

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03865
FPAP ORTHOMETRIC HEIGHT	+03865



**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>
SGF	RNAV (GPS) RWY 32	2C	SPRINGFIELD	MO	1268	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 229/30 CW 049/30 **TO** 229/8 CW 049/8

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (29-000537)	371309.00N/0925657.00W	3571	250	50	4D	1000					4600
TERRAIN	371336.00N/0924427.00W	1736 (1700)								AS1500	3200

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 229/8 CW 049/8 **TO** RETHA

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (29-002557)	371217.00N/0930823.00W	1981	500	50	5D	1000				AT219	3200
TERRAIN	370621.00N/0930218.00W	1483 (1500)								AS1500	3000

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
10
CHECKED

STRAIGHT-IN AREA

FROM

049/30 CW 229/30

TO

049/8 CW 229/8

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (29-000537)	371309.00N/0925657.00W	3571	250	50	4D	1000					4600
TERRAIN	371312.00N/0925615.00W	1598 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM

049/8 CW 229/8

TO

RETHA

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (29-000186)	371325.00N/0931431.00W	1983	50	20	2C	1000				AT217	3200
TERRAIN	370700.00N/0930509.00W	1480 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

RETHA (IF/IAF)

TO

APELL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	6.03										
<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 (29-000583)	371016.00N/0931928.00W	1696	100	20	3C	500				AT704	2900
TERRAIN	370942.00N/0931548.00W	1329 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

APELL

TO

RW32

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.96		DA		250						
<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>
TERRAIN (29-036386)	371416.39N/0932255.19W	1276	20	3	1A		34.00:1				1518

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

APELL

TO

RW32

RNP 0.30	DISTANCE 4.96	PAT	MAP DA	HAT 462	HMAS						
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (29-089808)	371305.09N/0932238.68W	1441	20	3	1A		23.28:1				1730

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

APELL

TO

RW32

RNP 0.30	DISTANCE 4.96	PAT	MAP RW32	HAT 472	HMAS						
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (29-000490)	371128.00N/0931946.00W	1490	100	20	3C	250					1740

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
RETHA

TO
P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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>
TOWER (29-001056)	370406.00N/0931832.00W	1843	500	50	5D	1000				AT357	3200
TERRAIN	370539.00N/0930536.00W	1451 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM
DA

TO
JOGPU

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1330			
<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>
							ASC				3000
TOWER (29-002548)	372011.12N/0933212.71W	1757	500	50	5D	1000				SA-57	2700
TERRAIN	371312.00N/0932239.00W	1318 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

JOGPU

RNP 0.30-1.00	DISTANCE	PAT	MAP			HAT	HMAS 1569				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (29-002548)	372011.12N/0933212.71W	1757	500	50	5D	1000				SA-57	2700
TERRAIN	371312.00N/0932239.00W	1318 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW32

TO

JOGPU

RNP 0.30-1.00	DISTANCE	PAT	MAP			HAT	HMAS 1640				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (29-002548)	372011.12N/0933212.71W	1757	500	50	5D	1000				SA-57	2700
TERRAIN	371312.00N/0932239.00W	1318 (1300)								AS1500	2800

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

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (29-089808)	371305.09N/0932238.68W	1.31	492	1441	20	3	1A	300			1760
CATEGORY B											
TOWER (29-003029)	371510.56N/0932601.72W	1.85	552	1505	20	3	1A	300			1820
CATEGORY C											
TOWER (29-003029)	371510.56N/0932601.72W	2.91	552	1505	20	3	1A	300			1820
CATEGORY D											
TOWER (29-002559)	371753.59N/0931957.16W	3.81	652	1608	20	3	1A	300			1920

CIRCLING REMARKS:

MSA/ESA

CENTERRADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZKC ARTCC, SGF APP CON, SGF TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	SGF	24	SGF	0.35	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	HFJ	24	HFJ	36.18	Y	90

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
SGF 1268, HFJ 1314
RA = 89.8.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW32 - HIRL, REIL, PAPI-4L		NPI-G	ROLL OUT
RW02 - MALSR, HIRL, VASI-4L		PIR-G	APPROACH
RW14 - MALSR, HIRL, PAPI-4R		PIR-G	APPROACH
RW20 - MAL, HIRL, PAPI-4L		PIR-G	ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1268.2	51.0			3.00	34.6

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-16C	+54C	-16C	+12.49C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 972 HIGH TEMP 1282.

"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:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT 120 FT AGL PER FPT CHECKLIST.

TCH RAISED TO 51' TO CLEAR VGS PENETRATION.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1692 TOWER (29-000583) 371014.44N/0931926.77W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	2.96
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	321.83
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	4.76
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	321.83
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN)	371416.72N/0932300.64W
ARP COORDINATES	371444.38N/0932319.06W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 14 DISTANCE 0.81 NM
FAF COORDINATES	371022.36N/0931910.15W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (RONALD K. STROBACH)	AJV-A432	03/26/2025	AERONAUTICAL INFORMATION SPECIALIST

