

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> KGCK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> GARDEN CITY	<u>STATE</u> KS		
<u>AIRPORT ELEVATION</u> 2891	<u>TDZE</u> 2889	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 10/08/2020	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 11/3/2022	<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>
GCK VORTAC		WEMDI		TF	FO	1.00	355.84	12.79	4700
TOKIE	IAF	WEMDI	NOPT	TF	FB	1.00	261.00	16.80	4700
YANUK	IAF	WEMDI	NOPT	TF	FB	1.00	089.60	7.03	4700
WEMDI	IF/IAF	ZABOL		TF	FB	1.00	175.42	6.02	4700
ZABOL	FAF	OCOKE/1.67 NM TO RW17		TF	FB	0.30	175.42	3.89	
OCOKE/1.67 NM TO RW17		RW17	MAP	TF	FO	0.30	175.42	1.67	
RW17	MAP	3089 MSL		CA			175.42		
3089 MSL		PIRIY		DF	FO	1.00			4800

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4800 DIRECT PIRIY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
20
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N WEMDI, RT, 175.42 INBOUND, 4700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 175.42FAF: ZABOLDIST FAF TO MAP: 5.56DIST FAF TO THLD: 5.56

4. MIN ALT: WEMDI 4700, ZABOL 4700, OCOKE/1.67 NM TO RW17 3460

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.51GS ANT:

6. MIN GP INCPT: 4700GP ALT AT PFAF : ZABOL 4700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 39.0

8. MSA FROM: RW17 5000

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 355.42 INBOUND.
CHART FAS OBST: 2931 POLE (20-022612) 375711N/1004347W.
CHART VDP AT 0.85 NM TO RW17.
WAAS CHANNEL # 42803
REFERENCE PATH ID: W17A
CHART CIRCLING ICON.
LTP HAE: 854.8 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	3089	3/4	200	3089	3/4	200	3089	3/4	200	3089	3/4	200			
LNAV/VNAV DA	3139	3/4	250	3139	3/4	250	3139	3/4	250	3139	3/4	250			
LNAV MDA	3200	1	311	3200	1	311	3200	7/8	311	3200	7/8	311			
CIRCLING	3320	1	429	3360	1	469	3480	1 1/2	589	3480	2	589			



CHANGES - REASONS

1. CHANGED MAG VAR FROM 9E TO 5E - MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025.
2. CHANGED PBN REQUIREMENTS NOTE FROM RNP APCH TO RNP APCH-GPS PER FAAO 8260.19H, PARA 8-6-8.B.(2).
3. CHANGED RNAV CHART NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20°C OR ABOVE 43°C TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20°C OR ABOVE 54°C - UTILIZED 5-YEAR ACT AND AHT TEMPERATURES FROM 2017 TO 2021, TARGETS CALCULATED.
4. CHANGED TERMINAL ROUTE FROM GCK VORTAC TO WEMDI COURSE FROM 351.86 TO 355.84 - MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025 AND NEW SURVEY DATA CHANGED ALIGNMENT.
5. CHANGED TERMINAL ROUTE FROM TOKIE TO WEMDI COURSE FROM 257.00 TO 261.00 - MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025.
6. CHANGED TERMINAL ROUTE FROM YANUK TO WEMDI COURSE FROM 85.60 TO 89.60 - MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025.
7. CHANGED TERMINAL ROUTE FROM WEMDI TO ZABOL COURSE FROM 171.42 TO 175.42; AND CHANGED DISTANCE FROM 6.10 TO 6.02 - MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025; AND TARGETS CALCULATED PFAF MOVED 530 FT NORTH.
8. CHANGED TERMINAL ROUTE FROM ZABOL TO RW17 TO ZABOL TO OCOKE/1.67 NM TO RW17; CHANGED COURSE FROM 171.42 TO 175.42; AND CHANGED DISTANCE FROM 5.45 TO 3.89 - TARGETS CALCULATED PFAF, ZABOL MOVED 529 FT NORTH; TARGETS CALCULATED SDF SEGMENT ADDED; AND MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025.
9. ADDED TERMINAL ROUTE "FROM OCOKE/1.67 NM TO RW17 TO RW17" COURSE 175.42, DISTANCE 1.67 NM - TARGETS CALCULATED SDF SEGMENT ADDED TO MITIGATE NEW FINAL SEGMENT CONTROLLING OBSTACLE 3105 FT AAO.
10. CHANGED TERMINAL ROUTE FROM RW17 TO 3139 MSL TO RW17 TO 3089; CHANGED COURSE FROM 171.42 TO 175.42 - LPV DA LOWERED FROM 3139 TO 3089; AND MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025.
11. CHANGED PROFILE LINE 2 FROM "HOLD N WEMDI, RT, 171.42 INBOUND, 4700 FT. IN LIEU OF PT (IAF), MAX 6000" TO "HOLD N WEMDI, 175.42 INBOUND, 4700 FT IN LIEU OF PT (IAF), MAX 6000" - MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025.
12. CHANGED PROFILE LINE 3 FROM FAC 171.42 TO 175.42; CHANGED DIST FAF TO MAP/DIST FAF TO THLD FROM 5.48 TO 5.56; AND - MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025; AND TARGETS CALCULATED PFAF MOVED 530 FT NORTH.
13. ADDED TO PROFILE LINE 4 "OCOKE/1.67 NM TO RW17 3460" - ADDED TARGETS CALCULATED SDF TO MITIGATE NEW FINAL SEGMENT CONTROLLING OBSTACLE 3105 FT AAO.
14. CHANGED PROFILE LINE 5 FROM "HAT 250: 0.66 NM" TO "HAT 200: 0.51 NM" - OCS IS CLEAR, CFPT APPROVED LOWERING HAT FROM 250 TO 200.
15. CHANGED VDP PROFILE VIEW NOTE FROM "CHART VDP *0.92 NM TO RW17" TO "CHART VDP 0.85 NM TO RW17" - ASTERISK REMOVED, NO LONGER REQUIRED AND TARGETS CALCULATED PFAF MOVED 529 FT NORTH.
16. CHANGED ADDITIONAL FLIGHT DATA FROM "HOLD S, RT, 351.42 INBOUND" TO "HOLD S, RT, 355.42 INBOUND" - MAGVAR ROTATION FROM E9/EPOCH YEAR 1985 TO E5/EPOCH YEAR 2025.
17. CRC REMAINDER CHANGED FROM C24E47AA TO 1B629974 - VERTICAL ALERT LIMIT (VAL) CHANGED FROM 50 TO 35 AND FPAP LONGITUDE CHANGED FROM 1004322.9785W TO 1004322.9715W.
18. LOWERED LPV DA/HAT FROM 3139/250 TO 3089/200 - LPV FINAL OCS IS CLEAR, CFPT APPROVED LOWERING HAT FROM 250 TO 200.
19. LOWERED LNAV/VNAV DA/HAT FROM 3217/328 TO 3139/250 - LNAV/VNAV FINAL OCS IS CLEAR, CFPT APPROVED LOWERING HAT FROM 328 TO 250.
20. LOWERED LNAV MDA/HAT FROM 3220/331 TO 3200/311 - FINAL STEP-DOWN FIX ADDED TO RETAIN/LOWER MINIMA.
21. LOWERED LPV ALL CATS VISIBILITY FROM 1 SM TO 3/4 SM - PER FAAO 8260.3E, TABLE 3-3-1, CFPT APPROVED TO LOWER TO NOT LESS THAN 1/2 SM.
22. LOWERED LNAV/VNAV ALL CATS VISIBILITY FROM 1 1/4 SM TO 3/4 SM - PER FAAO 8260.3E, TABLE 3-3-1, CFPT APPROVED TO LOWER TO NOT LESS THAN 1/2 SM.
23. LOWERED LNAV CATS C/D VISIBILITY FROM 1 SM TO 3/4 SM - PER FAAO 8260.3E, TABLE 3-3-1, CFPT APPROVED TO LOWER TO NOT LESS THAN 1/2 SM.
24. REMOVED "LNAV ONLY" FROM ADDITIONAL FLIGHT DATA - PER FAAO 8260.19I, ASTERISK NO LONGER REQUIRED FOR VDP NOTE.

COORDINATED WITH:

AAA ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HA** ☐ **NBAA** ☒ **OTHER:** AMGR, GCK ATCT, ZKC, KS STATE AERO.

FLIGHT CHECKED BY

PENDING

OFFICE**DATE**

Digitally signed by
DONALD E SMITH
Aug 23, 2022

DEVELOPED BY

WILLIAM HANBY

Digitally signed by
WILLIAM HANBY
Aug 05, 2022

OFFICE

AJV-A412

DATE

06/27/2022

APPROVED BY

JULIE MORGAN

OFFICE

AJV-A410

DATE

TITLE
MANAGER

Digitally signed by
DONALD E SMITH
Aug 23, 2022

QUALITY
20
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGCK
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	375621.2945N
LTP/FTP LONGITUDE	1004322.1520W
LTP/FTP ELLIPSOIDAL HEIGHT	+08548
FPAP LATITUDE	375452.0965N
FPAP LONGITUDE	1004322.9715W
THRESHOLD CROSSING HEIGHT (TCH)	00039.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	1B629974

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+08804
FPAP ORTHOMETRIC HEIGHT	+08804

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

<u>AIRPORT ID</u> KGCK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> 1	<u>CITY</u> GARDEN CITY	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 2891	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
GCK VORTAC

TO
WEMDI

<u>RNP</u>	<u>DISTANCE</u> 12.79	<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>
AAO	380136.00N/1004534.00W		3125	50	20	2C	1000				AT575	4700
TERRAIN	380657.00N/1004548.00W		2923 (2900)								AS1500	4400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
TOKIE

TO
WEMDI

<u>RNP</u>	<u>DISTANCE</u> 16.80	<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>
AAO	380927.00N/1004430.00W		3120	164	98	4E	1000				AT580	4700
TERRAIN	380951.00N/1004324.00W		2919 (2900)								AS1500	4400

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM

YANUK

TO

WEMDI

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	7.03											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-001193)	380949.00N/1004803.00W		3222	500	50	5D	1000				AT478	4700
TERRAIN	380936.00N/1004845.00W		2956 (3000)								AS1500	4500

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

INTERMEDIATE

FROM

WEMDI (IF/IAF)

TO

ZABOL

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.02											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	381039.00N/1004521.00W		3130	164	98	4E	500				AC98 AT972	4700
TERRAIN	380657.00N/1004548.00W		2923 (2900)								AS1500	4400

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



FINAL: LPV

FROM

ZABOL

TO

RW17

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	5.56		DA	200								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3089

COMPUTATIONS

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

PER AIRPORT/CFPT, VGS PENETRATIONS ARE REILS. THESE ARE ACCEPTABLE OBSTACLES. 1. REILS LISTED AS "GENERAL UTILITY" (20-022581) 375621.69N/1004323.71W 2890 FT MSL/ 3 FT AGL. 2. REILS LISTED AS "GENERAL UTILITY" (20-022603) 375621.68N/1004320.57W 2890 FT MSL/ 2 FT AGL.

FINAL: LNAV/VNAV

FROM

ZABOL

TO

RW17

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	5.56		DA	250								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3139

COMPUTATIONS

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

PER AIRPORT/CFPT, VGS PENETRATIONS ARE REILS. THESE ARE ACCEPTABLE OBSTACLES. 1. REILS LISTED AS "GENERAL UTILITY" (20-022581) 375621.69N/1004323.71W 2890 FT MSL/ 3 FT AGL. 2. REILS LISTED AS "GENERAL UTILITY" (20-022603) 375621.68N/1004320.57W 2890 FT MSL/ 2 FT AGL.

FINAL: LNAV

FROM
ZABOL

TO
OCOKE/1.67 NM TO RW17

<u>RNP</u>	<u>DISTANCE</u> 3.89	<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>
AAO	375946.00N/1004337.00W		3105	50	20	2C	250				DG105	3460

COMPUTATIONS

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

FINAL: LNAV STEPDOWN

FROM
OCOKE/1.67 NM TO RW17

TO
RW17

<u>RNP</u>	<u>DISTANCE</u> 1.67	<u>PAT</u>	<u>MAP</u> RW17	<u>HAT</u> 311			<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>
POLE (20-022612)	375710.52N/1004347.10W		2931	20	3	1A	250					3200

COMPUTATIONS

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



HOLD-IN-LIEU OF PT

FROM
WEMDI

TO
P-6

RNP	DISTANCE	PAT P-6	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-001193)	380949.00N/1004803.00W		3222	500	50	5D	1000				AT478	4700
TERRAIN	381648.00N/1004921.00W		2988 (3000)								AS1500	4500

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
PIRIY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2924					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4800
AAO	374727.00N/1004554.00W		3075	164	98	4E	1000					4100
TERRAIN	375648.00N/1004409.00W		2903 (2900)								AS1500	4400

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
PIRIY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2978					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4800
AAO	374727.00N/1004554.00W		3075	164	98	4E	1000					4100
TERRAIN	375648.00N/1004409.00W		2903 (2900)								AS1500	4400

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

MISSED APPROACH : LNAV

FROM
RW17

TO
PIRIY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 3100					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4800
AAO	374727.00N/1004554.00W		3075	164	98	4E	1000					4100
TERRAIN	375648.00N/1004409.00W		2903 (2900)								AS1500	4400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
TANK (20-022616)	375547.97N/1004302.97W	1.34	429	3016	20	3	1A	300			3320
CATEGORY B											
ELEVATOR (20-022584)	375727.13N/1004449.41W	1.91	469	3027	20	3	1A	300		HA33	3360
CATEGORY C											
TOWER (20-002560)	375524.89N/1003956.22W	3.02	589	3169	20	3	1A	300			3480
CATEGORY D											
TOWER (20-002560)	375524.89N/1003956.22W	3.95	589	3169	20	3	1A	300			3480

CIRCLING REMARKS:

MSA

CENTER
RW17

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (20-002610)	374643.08N/1005344.99W	216	12.7	3930	250	50	4D	1000			5000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TAA NA PER ATC REQUEST.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZKC ARTCC, GCK TOWER, ICT FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KGCK	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KGCK	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3P	<u>LOCATION</u> K19S	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> K19S	<u>DISTANCE</u> 26.32	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 64

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KGCK 2891
K19S 2911
RA = 63.4

<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>
RW12 - MIRL (PCL), REIL (PCL), PAPI-2L		NPI-G	
RW17 - HIRL (PCL), REIL (PCL), VASI-4L		NPI-G	
RW30 - MIRL (PCL), REIL (PCL), PAPI-2L		NPI-G	
RW35 - MALSR (PCL), HIRL (PCL), VASI-4L		PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 2888.6	<u>TCH</u> 39.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 39.0
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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> -20C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -20C	<u>APT ISA</u> +9.28C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2017-2021).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 994 HIGH TEMP 1312.



"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PER CFPT, VEGETATION HEIGHT 60 FT.
CONTINGENCY ALTIMETER SOURCE SETTING IS SUBLETTE MUNI (K19S) SUBLETTE, KS:
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SUBLETTE ALTIMETER SETTING AND INCREASE LPV DA TO 3153 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 3203 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.
NOTE: BARO-VNAV AND VDP NA WHEN USING SUBLETTE ALTIMETER SETTING.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KGCK	PROCEDURE NAME RNAV (GPS) RWY 17	AMDT NO. 1	CITY GARDEN CITY	STATE KS	AIRPORT ELEVATION 2891	FACILITY RNAV
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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	3.05
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	180.42
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	2900
DISTANCE FROM	THLD	TO 1500FT POINT	4.96
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.57
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	180.42
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	2900

THRESHOLD
COORDINATES
(IF STR-IN)

375621.29N/1004322.15W

ARP COORDINATES

375539.10N/1004327.90W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 17 DISTANCE 0.71 NM

FAF
COORDINATES

380155.55N/1004319.05W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

QUALITY
20
CHECKED

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PART E: PREPARED BY

<u>NAME</u> WILLIAM HANBY	<u>OFFICE</u> AJV-A412	<u>DATE</u> 06/27/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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