

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23**

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.

<b>AIRPORT</b> GULKANA	<b>AIRPORT ID</b> PAGK	<b>PROCEDURE NAME</b> VOR RWY 15L	<b>ORIGINAL/AMENDMENT</b> ORIG	<b>CITY</b> GULKANA	<b>STATE</b> AK
<b>AIRPORT ELEVATION</b> 1586	<b>TDZE</b> 1586	<b>SUPERSEDED</b>	<b>ORIGINAL/AMENDMENT</b> NONE	<b>DATED</b>	<b>MAG VAR</b> 17E
<b>FACILITY</b> GKN	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b>	<b>REQUIRED EFFECTIVE DATE</b> 07/16/2020	<b>CANCEL/SUSPEND</b>	<b>EPOCH YEAR</b> 2020

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ERWAC/12.00 DME CW	IAF	PEWFY/12.00 DME					12.00 DME ARC		5000
CAVUT/12.00 DME CCW	IAF	PEWFY/12.00 DME					12.00 DME ARC		5000
PEWFY/12.00 DME	IF	WAPRA/5.44 DME					147.96	6.56 (GKN R-328)	3200

**MISSED APPROACH**

**MAP:**

IYICU/0.53 DME FIX

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 4000 DIRECT GKN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

<b>1. PT</b>	<b>SIDE OF COURSE</b>	<b>OUTBOUND</b>	<b>FT WITHIN</b>	<b>MILES OF</b>	<b>(IAF)</b>
<b>2. PROFILE STARTS AT PEWFY</b>					
<b>3. FAC:</b>	147.96	<b>FAF:</b>	WAPRA/5.44 DME	<b>DIST FAF TO MAP:</b>	<b>DIST FAF TO THLD:</b> 4.91
<b>4. MIN ALT:</b>	PEWFY/12.00 DME 5000, WAPRA/5.44 DME 3200, VICSU/2.93 DME 2160				
<b>8. MSA FROM:</b>	GKN VOR/DME 025-115 13100, 115-275 6200, 275-025 4200				

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART NOTE: CIRCLING RWY 15R, 33L NA AT NIGHT.

CHART NOTE: RWY 15L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



**ADDITIONAL FLIGHT DATA:**

WAPRA TO IYICU: 3.00/49  
HOLD NW, RT, 113.00 INBOUND.  
CHART FAS OBST: 1729 TREE 621058N/1452853W.  
CHART GKN R-240 AT ERWAC.  
CHART GKN R-031 AT CAVUT.  
FAC 457 FT L OF RWY C/L EXTENDED 3000 FT FROM THLD.  
CHART CIRCLING ICON.

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ STANDARD

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
S-15L	2040	1	454	2040	1	454	2040	1 3/8	454	2040	1 3/8	454			
CIRCLING	2040	1	454	2080	1	494	2080	1 1/2	494	2200	2	614			

**CHANGES - REASONS**

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, AMGR, AK DOT

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*  
**DONALD H LANIER**  
May 18, 2020

**OFFICE**

FDICO

**DATE**

**DEVELOPED BY**

DONALD H. LANIER (MATTHEW FULKS)

*Digitally signed by*  
**DONALD H LANIER**  
May 18, 2020

**OFFICE**

AJV-A431

**DATE**

03/03/2020

**APPROVED BY**

GEORGE DAVIS

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**DONALD H LANIER**  
May 18, 2020

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER



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

<u>AIRPORT</u> GULKANA	<u>AIRPORT ID</u> PAGK	<u>PROCEDURE NAME</u> VOR RWY 15L	<u>AMDT NO.</u> ORIG	<u>CITY</u> GULKANA	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 1586	<u>FACILITY</u> GKN
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL: ARC

FROM  
ERWAC/12.00 DME CW

TO  
PEWFY/12.00 DME

<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>
AAO	620951.00N/1455918.00W		2399	164	98	4E	1000				AT1601	5000
TERRAIN	620951.00N/1455918.00W		2199 (2200)								AS1500	3700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: ARC

FROM  
CAVUT/12.00 DME CCW

TO  
PEWFY/12.00 DME

<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>
AAO	621800.00N/1450212.00W		2412	164	98	4E	1000				AT1588	5000
TERRAIN	622315.00N/1454012.00W		2109 (2100)								AS1500	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM  
PEWFY/12.00 DME

TO  
WAPRA/5.44 DME

RNP	DISTANCE 6.56	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	621936.38N/1454136.19W		2225	250	50	4D	500				AT475	3200
TERRAIN	621942.00N/1454142.00W		2030 (2000)								AS1000	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM  
WAPRA/5.44 DME

TO  
VICSU/2.93 DME

RNP	DISTANCE 3.26	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	621310.22N/1452849.26W		1850	250	50	4D	250				AC50	2160

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FACILITY  
GKN

QUALITY  
29  
CHECKED

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											
TREE	620815.74N/1452734.89W	1.31	454	1679	250	50	4D	300		AC50	2040
CATEGORY B											
TREE	621057.85N/1452853.01W	1.86	494	1729	250	50	4D	300		AC50	2080
CATEGORY C											
TREE	621057.85N/1452853.01W	2.93	494	1729	250	50	4D	300		AC50	2080
CATEGORY D											
AAO	621310.22N/1452849.26W	3.83	614	1850	250	50	4D	300		AC50	2200

CIRCLING REMARKS:

MSA

CENTER  
GKN VOR/DME

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
025-115	AAO	620657.00N/1443830.00W	078	22.8	12024	164	98	4E	1000			13100
115-275	AAO	614024.00N/1452948.00W	166	28.9	5184	164	98	4E	1000			6200
275-025	AAO	622621.00N/1461542.00W	290	28.6	3172	164	98	4E	1000			4200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

INITIALLY RAN TARGETS WITH TERRAIN + AAO OR VEGETATION IN ALL SEGMENTS. AFTER INITIAL EVALUATION FOLLOWED BY MAP STUDY THE FOLLOWING SEGMENTS TERRAIN FEATURE TURNED OFF:  
INTERMEDIATE TO FINAL AND FINAL STEPDOWN  
VGS  
VISUAL  
CIRCLING CATS A-D



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZAN ARTCC, ENA FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> PAGK	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PAGK	<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:  
NO SUITABLE ALTIMETER AVAILABLE AS THE ONLY AIRPORT LOCATED WITHIN THE MAXIMUM 75 NM IS PAVD LOCATED 65.41 NM SOUTH. PER 8260.3D PARA 3-2-2C THIS AIRPORT CAN'T BE USED SINCE THE ELEVATION DIFFERENTIAL BETWEEN RASS AND LANDING AREA EXCEEDS 6000. ELEVATION DIFFERENCE IS 7966.

<u>PRIMARY NAVAID</u> GKN VOR/DME	<u>MONITOR POINT</u> POCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW15L - MIRL (PCL), VASI-4L (PCL)	NPI-G	
RW33R - MIRL (PCL), VASI-4R (PCL)	NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 49.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	3000	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="checkbox"/>	457	FT L OF CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING 15L/33R
20:1	
THESE 2 RWYS HAVE NO SURVEY AND NO LETTER FROM AIRPORT VERIFYING 20;1 CLEAR.	
Final Type	S-15L
34:1	
1669 TREE (02-028068) 621006.95N/1452740.69W (11.92)	

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 - VDP LOCATED WITHIN 0.5 NM FROM FINAL FIX..

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PER FPT VEGETATION 80 FT.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.





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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	FACILITY	TO 1000FT POINT	3.77				
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.38				
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	164.96				
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1700				
DISTANCE FROM	FACILITY	TO 1500FT POINT	9.00				
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	5.78				
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	164.96				
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2000				
THRESHOLD COORDINATES (IF STR-IN)	620942.15N/1452723.81W						
ARP COORDINATES	620915.61N/1452719.05W						
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 15L DISTANCE 0.45 NM						
FAF COORDINATES	621427.83N/1452951.63W						
FIX NAME COORDINATES							
REMARKS							
NO ADDITIONAL AIRSPACE REQUIRED FACILITY GKN VOR/DME 620913.51N/1452650.51W							



PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DONALD H. LANIER (MATTHEW FULKS)	AJV-A431	03/03/2020	AERONAUTICAL INFORMATION SPECIALIST

