

**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.

<u>AIRPORT ID</u> PAGM	<u>PROCEDURE NAME</u> VOR-A	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> GAMBELL	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 30	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 10E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> ULL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ULL VOR/DME	IAF	HALUG/ULL 9.50 DME	NOPT				268.13	9.50	2500
HALUG/ULL 9.50 DME		MILIO/ULL 19.00 DME					268.13	9.50	2100
MILIO/ULL 19.00 DME	IF/IAF	BIYAY/ULL 27.00 DME					268.13	8.00	1800

MISSED APPROACH

MAP:
OZIYO/ULL 33.07 DME

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2100 HEADING 071 AND ON ULL VOR/DME R-268 TO MILIO/ULL 19.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- 1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- 2. HOLD E MILIO, LT, 268.13 INBOUND, 2100 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
- 3. FAF: 268.13 FAF: BIYAY/ULL 27.00 DME DIST FAF TO MAP: DIST FAF TO THLD:
- 4. MIN ALT: MILIO/ULL 19.00 DME 2100, BIYAY/ULL 27.00 DME 1800
- 8. MSA FROM: ARP PAGM 2900

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:



CHART NOTE: CIRCLING NA E OF RWY 16-34.

ADDITIONAL FLIGHT DATA:

CHART US/RUSSIA MARITIME BOUNDARY.
CHART FAS OBST: 614 TREE 634621N/1714142W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA CAT A, B 1000-2, CAT C, D 1000-3, 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
CIRCLING	1000	1 1/4	970	1000	1 1/2	970	1000	3	970	1000	3	970				

CHANGES - REASONS

ORIG.

08/29/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/22/2023:

1. RAISED CIRCLING MDA/HAA ALL CATS FROM 800/770 TO 1000/970.
2. RAISED CIRCLING VISIBILITY CAT B FROM: 1 1/4 TO: 1 1/2, CAT C FROM: 2 1/4 TO: 3 AND CAT D FROM: 2 1/2 TO: 3.
3. CHANGED FAS OBSTACLE IN ADDITIONAL FLIGHT DATA FROM: "CHART FAS OBST: 529 TREE 634621N/1714142W" TO: "CHART FAS OBST: 614 TREE 634621.00N/1714142.00W".
4. CHANGED ALTERNATE MINIMUMS FROM: "STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO: "CAT A, B 1000-2, CAT C, D 1000-3- NA WHEN LOCAL WEATHER NOT AVAILABLE".

COORDINATED WITH:

~~A4A~~ ~~ALPA~~ ~~AOPA~~ ~~APA~~ ~~HAI~~ ~~NBAA~~ **OTHER:** ZAN, ARPT MGR, NOME FSS

FLIGHT CHECKED BY

KENNETH E JACK

OFFICE

FPO

DATE

06/10/2024

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

CASIMIR L TABAKA

Jun 14, 2024

OFFICE

AJV-A432

DATE

03/22/2023

APPROVED BY

CASIMIR TABAKA

Digitally signed by
CASIMIR L TABAKA

Jun 14, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u> PAGM	<u>PROCEDURE NAME</u> VOR-A	<u>AMDT NO.</u> ORIG	<u>CITY</u> GAMBELL	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 30	<u>FACILITY</u> ULL
---------------------------	--------------------------------	-------------------------	------------------------	--------------------	--------------------------------	------------------------

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM ULL VOR/DME
TO HALUG/ULL 9.50 DME

RNPDISTANCE
9.50PATMAPHATHMAS

<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	633742.00N/1703106.00W	1224	164	98	4E	1000					2300
TERRAIN	633745.00N/1703124.00W	1030 (1000)								AS1500	2500

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM HALUG/ULL 9.50 DME
TO MILIO/ULL 19.00 DME

RNPDISTANCE
9.50PATMAPHATHMAS

<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>
SHIP	634330.00N/1705955.00W	150	50	20	2C	1000				AT950	2100
TERRAIN	634329.38N/1705954.74W	0 (0)								AS1500	1500

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
PAGM

PROCEDURE NAME
VOR-A

AMDT NO.
ORIG

CITY
GAMBELL

STATE
AK

AIRPORT ELEVATION
30

FACILITY
ULL

INTERMEDIATE

FROM
MILIO/ULL 19.00 DME (IF/IAF)

TO
BIYAY/ULL 27.00 DME

RNP DISTANCE PAT MAP HAT HMAS
8.00

<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>
SHIP	634438.00N/1711926.00W	150	50	20	2C	500				AT1150	1800
TERRAIN	634437.75N/1711925.53W	0 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL

FROM
BIYAY/ULL 27.00 DME

TO
OZIYO/ULL 33.07 DME

RNP DISTANCE PAT MAP HAT HMAS
6.07 OZIYO/ULL 33.07 DME

<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	634621.00N/1714142.00W	614	50	20	2C	250				XL4 XP132	1000

COMPUTATIONS

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

SEGMENT REMARKS:

XP: 132 TO MIN MDA: 1000 (FC VALUE).



HOLD-IN-LIEU OF PT

FROM MILIO **TO** P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
SHIP	634330.00N/1705955.00W		150	50	20	2C	1000				AT950	2100
TERRAIN	634406.83N/1711030.06W		0 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH

FROM OZIYO/ULL 33.07 DME **TO** MILIO/ULL 19.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 546					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2100
TREE	634621.00N/1714142.00W		624	164	98	4E	1000					1700
TERRAIN	634621.00N/1714142.00W		614 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
PAGM

PROCEDURE NAME
VOR-A

AMDT NO.
ORIG

CITY
GAMBELL

STATE
AK

AIRPORT ELEVATION
30

FACILITY
ULL

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
TOWER (02-000274)	634656.00N/1714413.00W	1.30	770	89	50	3	2A	300		SI	1000
CATEGORY B											
TOWER (02-000274)	634656.00N/1714413.00W	1.81	770	89	50	3	2A	300		SI	1000
CATEGORY C											
TOWER (02-000274)	634656.00N/1714413.00W	2.84	770	89	50	3	2A	300		SI	1000
CATEGORY D											
AAO	634227.00N/1714200.00W	3.70	770	350	50	20	2C	300		SI	1000

CIRCLING REMARKS:

MSA

CENTER
ARP PAGM **RADIUS**
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	AAO	632239.00N/1714400.00W	172	23.4	1899	164	98	4E	1000			2900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH ZAN ARTCC

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> PAGM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PAGM	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3P	<u>LOCATION</u> PASA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PASA	<u>DISTANCE</u> 33.30	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 82

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
PAGM 30, PASA 59
RA = 81.1.

<u>PRIMARY NAVAID</u> ULL VOR/DME	<u>MONITOR POINT</u> POCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
--------------------------------------	------------------------------	----------------------------	-----------------

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW16 - MIRL (PCL), REIL (PCL), VASI-4L (PCL)	NPI-F	
RW34 - MIRL (PCL), REIL (PCL), VASI-4R (PCL), ODALS (PCL)	NPI-F	

<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>	<u>TCH</u>
-------------------------	---------------------------	------------	------------------------	--------------------------	-------------------	------------

FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
---------------------	----------------------	------------	----------------

CRITICAL TEMPERATURE REMARKS:

"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 - PROCEDURE IS CIRCLING ONLY.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

10' TREES AND 15' BOATS USED WITHIN 20,000 FT OF ALL RUNWAYS; 150' BOATS USED OUTSIDE OF 20,000 FT OF ALL RUNWAYS PER FPT CHECKLIST.

FOR CONTINGENCY PURPOSES:

NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAVOONGA ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND VISIBILITY CAT C/D 1/4 SM.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

THE CIRCLING MDA (1000) IS BASED ON FC RESULTS RECOMMENDATION.



AIRPORT ID
PAGM

PROCEDURE NAME
VOR-A

AMDT NO.
ORIG

CITY
GAMBELL

STATE
AK

AIRPORT ELEVATION
30

FACILITY
ULL

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	6.31
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.77
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	278.13
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	6.89
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	278.13
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	0

**THRESHOLD
COORDINATES
(IF STR-IN)**

ARP COORDINATES 634559.82N/1714358.02W

**RUNWAY APCH END
AND DIST FURTHEST
FROM ARP** RUNWAY 34 DISTANCE 0.37 NM

**FAF
COORDINATES** 634508.11N/1712821.33W

**FIX NAME
COORDINATES** IF/IAF MILIO: 634406.83N/1711030.06W

REMARKS



AIRPORT ID
PAGM

PROCEDURE NAME
VOR-A

AMDT NO.
ORIG

CITY
GAMBELL

STATE
AK

AIRPORT ELEVATION
30

FACILITY
ULL

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR L. TABAKA (SILVIA YOUNG)	AJV-A432	03/22/2023	AERONAUTICAL INFORMATION SPECIALIST

