

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR OR TACAN 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> PGUM	<u>PROCEDURE NAME</u> VOR OR TACAN RWY 24R	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> GUAM	<u>STATE</u> GU		
<u>AIRPORT ELEVATION</u> 305	<u>TDZE</u> 305	<u>SUPERSEDED</u> VOR OR TACAN RWY 24R	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> UNZ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
UNZ VORTAC		FIBEE/UNZ 15.58 DME					062.23	15.58	2300
FIBEE/UNZ 15.58 DME	IF/IAF	JUVNI/UNZ 9.57 DME					242.23	6.01 (UNZ R-062)	1800

MISSED APPROACH

MAP:

NOVKE/UNZ 5.11 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2300 THEN LEFT TURN ON UNZ VORTAC R-062 TO FIBEE/UNZ 15.58 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE FIBEE, LT, 242.23 INBOUND, 2300 FT. IN LIEU OF PT (IAF), MAX 9000.
3. FAC: 242.23 FAF: JUVNI/UNZ 9.57 DME DIST FAF TO MAP: DIST FAF TO THLD: 4.46
4. MIN ALT: FIBEE/UNZ 15.58 DME 2300, JUVNI/UNZ 9.57 DME 1800
8. MSA FROM: UNZ VORTAC 2600

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA SOUTHEAST OF RWY 6R-24L.



CHART NOTE: RWY 24R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

JUVNI TO RW24R: 3.00/75.
CHART FAS OBST: 865 TOWER (GU-000243) 132914N/1444948E.
CHART VDP AT 7.61 DME.
DISTANCE VDP TO THLD 2.49 NM.
CHART CIRCLING ICON.

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

ALTERNATE: NA ☐ CAT A, B 900-2, CAT C, D 900-2 1/2

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
S-24R	1180	1	875	1180	1 1/4	875	1180	2 1/2	875	1180	2 1/2	875			
CIRCLING	1180	1 1/4	875	1180	1 1/4	875	1180	2 1/2	875		NA				

CHANGES - REASONS

1. REMOVED CIRCLING CAT D MINIMUMS. - TFR AND POTENTIAL RADIATION AVOIDANCE; REMOVE NOTAM FDC 3/3636.
2. LINE 2: ADDED MAX ALTITUDE 9000. - UPDATED FORMS.
3. ADDED EQUIPMENT REQUIREMENTS NOTE: DME REQUIRED. REMOVED CHART PLANVIEW NOTE: DME REQUIRED. - IAW 8260.19I 8-6-8 A.
4. LINE 4: CHANGED FIBEE 2300 TO FIBEE/UNZ 15.58 DME 2300 AND CHANGED JUVNI 1800 TO JUVNI/UNZ 9.57 DME 1800 - UPDATED FORMS TO CURRENT CRITERIA
5. ADDITIONAL FLIGHT DATA: ADDED OBSTACLE IS TO FAS OBST - PER CURRENT CRITERIA

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: GUAM CERAP, AGANA ATCT, AMGR

FLIGHT CHECKED BY
PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE Digitally signed by DATE
CASIMIR L TABAKA

DEVELOPED BY
CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by OFFICE
CASIMIR L TABAKA AJV-A432
Oct 05, 2023 DATE
06/21/2023

APPROVED BY
CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Oct 05, 2023 OFFICE
AJV-A430

DATE
TITLE
MANAGER



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

<u>AIRPORT ID</u> PGUM	<u>PROCEDURE NAME</u> VOR OR TACAN RWY 24R	<u>AMDT NO.</u> 1B	<u>CITY</u> GUAM	<u>STATE</u> GU	<u>AIRPORT ELEVATION</u> 305	<u>FACILITY</u> UNZ
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
UNZ VORTAC

TO
FIBEE/UNZ 15.58 DME

<u>RNP</u>	<u>DISTANCE</u> 15.58	<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	133208.00N/1445518.00E	1020	50	20	2C	1000					2100
												TERRAIN	133208.00N/1445518.00E	820 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
FIBEE/UNZ 15.58 DME (IF/IAF)

TO
JUVNI/UNZ 9.57 DME

<u>RNP</u>	<u>DISTANCE</u> 6.01	<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	133208.00N/1445518.00E	1020	50	20	2C	500					1600
												TERRAIN	133208.00N/1445518.00E	820 (800)								AS1000	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL

FROM
JUVNI/UNZ 9.57 DME

TO
NOVKE/UNZ 5.11 DME

RNP	DISTANCE 4.46	PAT	MAP NOVKE/UNZ 5.11 DME	HAT 875	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (GU-000243)	132914.00N/1444948.00E		865	500	50	5D	250				AC50	1180

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
FIBEE

TO
P-7

RNP	DISTANCE	PAT P-7	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	133208.00N/1445518.00E		1020	50	20	2C	500					1600
TERRAIN	133208.00N/1445518.00E		820 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH

FROM
NOVKE/UNZ 5.11 DME

TO
FIBEE/UNZ 15.58 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 930					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2300
AAO	132557.67N/1444245.07E		1274	50	20	2C	1000					2300
TERRAIN	132557.67N/1444245.07E		1074 (1100)								AS1000	2100

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											
TREE (GU-022666)	132936.18N/1444945.17E	1.30	875	576	20	3	1A	300		SI	1180
CATEGORY B											
TREE (GU-022666)	132936.18N/1444945.17E	1.82	875	576	20	3	1A	300		SI	1180
CATEGORY C											
TREE (GU-022666)	132936.18N/1444945.17E	2.85	875	576	20	3	1A	300		SI	1180

CIRCLING REMARKS:

ALL OBSTACLES UPDATED TO MATCH RNAV (GPS) Y RWY 6L. CAT D NOT AUTHORIZED TO PREVENT AIRCRAFT FROM ENTERING TFR AND POTENTIAL EXPOSURE TO DANGEROUS RADIATION FROM US MILITARY TERMINAL HIGH ALTITUDE AREA DEFENSE (THAAD) BATTERY



MSA

CENTER
UNZ VORTAC

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	132024.10N/1443955.87E	208	07.9	1532	164	98	4E	1000			2600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

40 FT VEGETATION USED PER FPT CHECKLIST.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
AGANA TOWER, GUAM CENRAP

WX SERVICE ATIS	LOCATION PGUM	HRS OPERATION 24	ALTIMETER SOURCE PGUM	DISTANCE 0.27	SERVICE-A Y	ADJUSTMENTS 0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:
BACKUP ALTIMETER SOURCE NOT REQUIRED DUE TO REDUNDANT WEATHER SYSTEMS.

PRIMARY NAVAID UNZ VORTAC	MONITOR POINT POCC	HRS OPERATION 24	CAT 1
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW06L - MALSR, HIRL, PAPI-4L	PIR-F	
RW06R - MALSR, HIRL, PAPI-4R	PIR-F	
RW24L - HIRL, PAPI-4L	PIR-F	
RW24R - HIRL, PAPI-4L	PIR-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE 3.00	TCH 75.0
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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

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	S-24R
34:1	



AIRPORT ID PGUM	PROCEDURE NAME VOR OR TACAN RWY 24R	AMDT NO. 1B	CITY GUAM	STATE GU	AIRPORT ELEVATION 305	FACILITY UNZ
34:1			425 TREE (GU-020778) 132936.91N/1444909.57E (48.70)			
446 TREE (GU-020845) 132939.99N/1444917.17E (45.86)			421 TREE (GU-020656) 132938.02N/1444908.96E (44.91)			
415 TREE (GU-021209) 132937.42N/1444907.25E (44.16)			432 TREE (GU-021677) 132939.62N/1444913.01E (43.26)			
434 TREE (GU-021515) 132949.22N/1444909.52E (42.39)			427 TREE (GU-021508) 132947.58N/1444907.88E (41.76)			
409 TREE (GU-021133) 132943.15N/1444903.53E (40.75)			405 TREE (GU-021454) 132944.10N/1444901.64E (40.53)			
431 TREE (GU-020812) 132938.43N/1444914.30E (40.36)			419 TREE (GU-020099) 132946.52N/1444905.94E (40.19)			
423 TREE (GU-020266) 132938.96N/1444911.19E (39.87)			419 TREE (GU-020101) 132937.01N/1444911.03E (38.74)			
402 TREE (GU-021457) 132936.75N/1444905.69E (36.10)			391 TREE (GU-021116) 132934.69N/1444902.86E (35.12)			
421 TREE (GU-021588) 132946.09N/1444908.92E (34.90)			398 TREE (GU-021372) 132942.50N/1444902.24E (33.96)			
428 TREE (GU-021606) 132939.56N/1444915.51E (32.77)			413 TREE (GU-020105) 132945.26N/1444907.16E (32.56)			
392 TREE (GU-020067) 132941.78N/1444901.05E (31.99)			405 TREE (GU-020244) 132944.14N/1444905.11E (31.35)			
427 TREE (GU-021167) 132947.43N/1444912.58E (29.59)			424 TREE (GU-021609) 132948.47N/1444911.02E (29.39)			
420 TREE (GU-020893) 132946.69N/1444910.42E (29.20)			436 POLE (GU-021198) 132943.13N/1444918.96E (27.22)			
372 TREE (GU-021713) 132933.71N/1444859.13E (27.16)			421 TREE (GU-021838) 132940.49N/1444914.65E (26.86)			
393 TREE (GU-021460) 132935.68N/1444906.32E (26.79)			435 POLE (GU-021878) 132944.93N/1444918.20E (25.96)			
432 POLE (GU-021557) 132940.74N/1444919.17E (25.67)			424 TREE (GU-021240) 132941.12N/1444916.01E (25.49)			
428 POLE (GU-021916) 132939.23N/1444918.71E (24.77)			432 POLE (GU-021634) 132948.38N/1444915.89E (24.70)			
430 POLE (GU-021197) 132946.68N/1444917.14E (21.55)			433 POLE (GU-020348) 132943.77N/1444919.98E (20.74)			
431 TREE (GU-020861) 132941.26N/1444920.46E (20.62)			392 TREE (GU-020085) 132936.29N/1444908.02E (20.55)			
428 POLE (GU-021888) 132941.52N/1444919.27E (20.42)			423 TREE (GU-020328) 132941.78N/1444917.32E (20.22)			
405 TREE (GU-020395) 132938.09N/1444912.39E (19.81)			431 POLE (GU-020871) 132942.41N/1444920.22E (19.81)			
435 TREE (GU-021662) 132944.21N/1444920.99E (19.53)			429 TREE (GU-021923) 132940.46N/1444920.61E (19.23)			
434 TREE (GU-021582) 132942.29N/1444921.72E (19.02)			430 POLE (GU-020355) 132945.02N/1444919.63E (17.09)			
423 POLE (GU-021119) 132942.29N/1444919.23E (14.56)			428 TREE (GU-021579) 132943.08N/1444921.25E (13.26)			
424 POLE (GU-020354) 132946.46N/1444918.84E (11.36)			441 TREE (GU-020409) 132942.22N/1444927.57E (10.73)			
410 TREE (GU-020327) 132947.40N/1444914.35E (7.98)			409 TREE (GU-020320) 132947.98N/1444913.75E (7.83)			
426 TREE (GU-021303) 132942.15N/1444923.15E (7.44)			418 POLE (GU-020953) 132947.97N/1444917.72E (6.41)			
420 VEGETATION (GU-021733) 132940.42N/1444922.09E (6.39)			415 POLE (GU-020875) 132948.89N/1444917.02E (4.09)			
414 POLE (GU-020869) 132949.71N/1444916.42E (3.64)			428 TREE (GU-020984) 132941.54N/1444925.95E (2.84)			



418 TREE (GU-021674) 132949.83N/1444918.67E (1.58)	407 TRAVERSE_WAY (GU-021920) 132939.84N/1444919.47E (1.01)
409 POLE (GU-021121) 132942.47N/1444919.15E (0.55)	

PENETRATIONS REMARKS:
20:1 PENETRATIONS ON RWY 24R REMOVED PER AIRPORT MANAGER; EMAIL DATED 06/15/2023.

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



AIRPORT ID PGUM	PROCEDURE NAME VOR OR TACAN RWY 24R	AMDT NO. 1B	CITY GUAM	STATE GU	AIRPORT ELEVATION 305	FACILITY UNZ
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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	4.13
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.92
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	244.23
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	THLD	TO 1500FT POINT	10.47
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	244.23
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD
COORDINATES
(IF STR-IN)

132930.30N/1444843.45E

ARP COORDINATES

132902.23N/1444749.67E

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 24R DISTANCE 0.99 NM

FAF
COORDINATES

133127.01N/1445250.77E

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
35
CHECKED

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

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> CASIMIR L. TABAKA (BARBARA GORMAN)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 06/21/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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