

**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.

AIRPORT ID BQN/TJBQ	PROCEDURE NAME RNAV (GPS) RWY 26	ORIGINAL/AMENDMENT 1	CITY AGUADILLA	STATE PR
AIRPORT ELEVATION 238	TDZE 211	SUPERSEDED RNAV (GPS) RWY 26	DATED 01/08/2015	MAG VAR 10W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1985
				CANCEL/SUSPEND

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 173/30 CW 352/30	NOPT	173/10 CW 352/10		6600
2. 173/10 CW 352/10		TBURN	IF/IAF	4800
3. 352/30 CW 082/30		352/10 CW 082/10		6200
4. 352/10 CW 082/10		TBURN	IF/IAF	4800
5. 083/30 CW 173/30		LIYIP	IAF	4800

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LIYIP	IAF	TBURN	NOPT	TF	FB	1.00	172.51	9.90	4800
TBURN	IF/IAF	CUREV		TF	FB	1.00	262.47	10.00	1800
CUREV	FAF	RW26	MAP	TF	FO	0.30	262.44	4.88	
RW26	MAP	638 MSL		CA			262.44		
638 MSL		WITRA		DF	FB	1.00			
WITRA		AQABA		TF	FO	1.00	317.23	12.21	3000

MISSED APPROACH

MAP:

LNAV: RW26

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 250 KIAS UNTIL AQABA) CLIMB TO 3000 DIRECT WITRA AND ON TRACK 317.23 TO AQABA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | |
|--|--------------------|----------------|-----------------------|------------------------|---------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD E TBURN, RT, 262.47 INBOUND, 4800 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 262.44 | FAF: CUREV | | DIST FAF TO MAP: 4.88 | DIST FAF TO THLD: 4.88 | |
| 4. MIN ALT: TBURN 4800, CUREV 1800 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | GS ANT: | |
| 6. MIN GP INCPT: | GP ALT AT FAF: | | | OM: | MM: IM: |
| 7. GP ANGLE: | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: | | |
| 8. MSA FROM: | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA SOUTH OF RWY 8-26.
 CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART SPEED ICON IN PLANVIEW AT LIYIP: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT TBURN: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CUREV TO RW26: 3.00/52.
 CHART VDP AT 1.28 NM TO RW26.
 FAS OBSTACLE: 424 AAO 183033N/0670251W.
 HOLD NW, RT, 121.11 INBOUND.

MINIMUMS:

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

ALTERNATE: NA

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
LNAV MDA	680	1	469	680	1	469	680	1 3/8	469	680	1 3/8	469				
CIRCLING	680	1	442	700	1	462	700	1 1/2	462	800	2	562				



CHANGES - REASONS

1. INCREASED LNAV MDA/HAT FROM 620/410 TO 680/469; INCREASED LNAV CAT C/D VISIBILITY FROM 1 1/8 SM TO 1 3/8 SM - NEW CONTROLLING OBSTACLE AND TDZE CHANGED FROM 210 TO 211.
2. REMOVED IAF RUTPE FROM TERMINAL ROUTES - ATC/FPT REQUEST.
3. REDEFINED "LEFT BASE" (352 CW 082) OF TAA OFF OF FIX IF/IAF TBURN - ATC/FPT REQUEST.
4. ADDED 10 NM STEPDOWN TO "LEFT BASE" (352 CW 082) OF TAA - ALLOWS DESCENT TO IF/IAF/PT ALTITUDE.
5. IN TERMINAL ROUTES, CHANGED CUREV TO RW26 COURSE FROM 262.45 TO 262.44 - FAF MOVED TO ALIGN VDA WITH VGSI.
6. IN TERMINAL ROUTES, CHANGED MISSED APPROACH CA ALTITUDE FROM 620 TO 638 - IAW UPDATED FIELD ELEVATION IN PENDING (1/25/24) AIRNAV DATA.
7. IN PROFILE SECTION, ADDED MAX ALTITUDE OF 6000 FT TO HOLD AT TBURN - IAW ESTABLISHED MAXIMUM HOLDING ALTITUDE PER 8260-2 DOCUMENTATION.
8. IN PROFILE SECTION, ADDED 20:1 IS CLEAR - NO 20:1 PENETRATIONS EXIST.
9. ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS - IAW 8260.19I.
10. REMOVED CHART NOTE: DME/DME RNP-0.3 NA - IAW 8260.19I.
11. IN ADDITIONAL FLIGHT DATA, CHANGED "CHART VDP AT 1.10 MILES TO RW26" TO "CHART VDP AT 1.28 NM TO RW26" - LNAV MDA/HAT INCREASED.
12. CHANGED CHART NOTE FROM, "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" TO "RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - VERBIAGE IAW 8260.19I.
13. IN ADDITIONAL FLIGHT DATA, CHANGED FAS OBS FROM 365 AAO 183024N/0670321W TO 424 AAO 183033N/0670251W - NEW FINAL SEGMENT CONTROLLING OBSTACLE.
14. CHANGED SPEED RESTRICTION NOTE FROM, "CHART PLANVIEW NOTE AT LIYIP: MAX 210 KIAS" TO "CHART SPEED ICON IN PLANVIEW AT LIYIP: MAX 210 KIAS" - VERBIAGE IAW 8260.19I.
15. CHANGED SPEED RESTRICTION NOTE FROM, "CHART PLANVIEW NOTE AT TBURN: MAX 210 KIAS" TO "CHART SPEED ICON IN PLANVIEW AT TBURN: MAX 210 KIAS" - VERBIAGE IAW 8260.19I.
16. DELETED SPEED RESTRICTION NOTE "CHART PLANVIEW NOTE AT AQABA: MAX 250 KIAS", ADDED "(DO NOT EXCEED 250 KIAS UNTIL AQABA)" TO MISSED APPROACH INSTRUCTIONS - VERBIAGE IAW 8260.19I.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: AMGR, SAN JUAN ARTCC, AGUADILLA ATCT

FLIGHT CHECKED BY

MICHAEL C MCCURDY

Digitally signed by

BEV L BORDY

Dec 23, 2024

OFFICE

AJF

DATE

12/13/2024

DEVELOPED BY

JOSHUA LEETE

Digitally signed by

JOSHUA LEETE

Dec 11, 2023

OFFICE

AJV-A422

DATE

12/11/2023

APPROVED BY

RAKE MCGRAW

Digitally signed by

BEV L BORDY

Dec 23, 2024

OFFICE

AJV-A422

DATE

TITLE

MANAGER



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

<u>AIRPORT ID</u> BQN/TJBQ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>AMDT NO.</u> 1	<u>CITY</u> AGUADILLA	<u>STATE</u> PR	<u>AIRPORT ELEVATION</u> 238	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

<u>FROM</u> 173/30 CW 352/30	<u>TO</u> 173/10 CW 352/10
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RNP DISTANCE PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1. TOWER (PR-000115)	181003.10N/0663435.80W	4584	500	50	5D	2000					6600
2. TERRAIN	181021.00N/0663530.00W	4357 (4400)								AS1500	5900

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

<u>FROM</u> 173/10 CW 352/10	<u>TO</u> TBURN
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RNP DISTANCE PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3. AAO	182230.00N/0665148.00W	1398	215	8	4B	1500				AT1902	4800
4. TERRAIN	182230.00N/0665148.00W	1198 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
BQN/TJBQ

PROCEDURE NAME
RNAV (GPS) RWY 26

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LEFT BASE AREA

FROM
352/30 CW 082/30

TO
352/10 CW 082/10

RNP DISTANCE PAT MAP HAT HMAS

<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>
5. AAO	180830.00N/0664609.00W	4115	215	8	4B	2000					6200
6. TERRAIN	180830.00N/0664609.00W	3915 (3900)								AS1500	5400

COMPUTATIONS

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

SEGMENT REMARKS:

LEFT BASE AREA

FROM
352/10 CW 082/10

TO
TBURN

RNP DISTANCE PAT MAP HAT HMAS

<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>
3. AAO	182230.00N/0665148.00W	1398	215	8	4B	1500				AT1902	4800
7. TERRAIN	182230.00N/0665148.00W	1198 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:



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RIGHT BASE AREA

FROM
083/30 CW 173/30

TO
LIYIP

RNP DISTANCE PAT MAP HAT HMAS

<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>
8. TOWER (PR-000246)	182550.45N/0670749.86W	948	500	50	5D	1500				AT2352	4800
9. TERRAIN	182536.00N/0670736.00W	729 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
LIYIP

TO
TBURN

RNP DISTANCE PAT MAP HAT HMAS
1.00 9.90

<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>
10. SHIP MAST	184049.21N/0665358.09W	208	50	20	2C	1000				AT3592	4800
11. TERRAIN	184049.21N/0665358.09W	0								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:



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INTERMEDIATE

FROM
TBURN **TO**
CUREV

RNP 1.00 **DISTANCE** 10.00 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12. AAO	183015.00N/0670045.00W	460	215	8	4B	500				SA-70 AT910	1800
13. TERRAIN	183015.00N/0670045.00W	260 (300)								AS1500	1800

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM
CUREV **TO**
RW26

RNP 0.30 **DISTANCE** 4.88 **PAT** **MAP** RW26 **HAT** 469 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
14. AAO	183033.00N/0670251.00W	424	215	8	4B	250					680

COMPUTATIONS

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

SEGMENT REMARKS:



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HOLD-IN-LIEU OF PT

FROM
TBURN **TO**
P-6

RNP DISTANCE PAT MAP HAT HMAS
P-6

<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>
15. SHIP MAST	183741.00N/0664559.64W	208	50	20	2C	1000				AT3592	4800
16. TERRAIN	182909.97N/0665206.30W	140 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW26 **TO**
AQABA

RNP DISTANCE PAT MAP HAT HMAS
0.30-1.00 580

<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
17. TREE	182821.00N/0670833.00W	455	250	10	4B	1000					1500
18. TERRAIN	182821.00N/0670833.00W	355 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:



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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SJU ARTCC, BQN CTAF

WX SERVICE
AWOS-3PT

LOCATION
BQN/TJBQ

HRS OPERATION
24

ALTIMETER SOURCE
BQN/TJBQ

DISTANCE
0.55

SERVICE-A
Y

ADJUSTMENTS
0

BACK-UP WX SERVICE
ASOS

LOCATION
SJU/TJSJ

HRS OPERATION

ALTIMETER SOURCE
SJU/TJSJ

DISTANCE
63.91

SERVICE-A
Y

ADJUSTMENTS
0

WX REMARKS:

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW08 - HIRL, C/LINE, REIL (PCL), PAPI-4L	NPI-G	
RW26 - C/LINE, HIRL, PAPI-4L	NPI-G	

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
75.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LNAV RWY 26		
34:1			
284 TREE (PR-026531) 183006.3500N/0670619.7900W (12.86)	282 TREE (PR-026687) 183005.4100N/0670620.1400W (12.65)		
280 TREE (PR-026807) 183005.2900N/0670619.8700W (10.03)	282 TREE (PR-026068) 183006.2700N/0670619.3800W (9.83)		
208 TREE (PR-026267) 182958.8900N/0670640.8200W (0.29)			
PENETRATIONS REMARKS:			

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.

ALTIMETER SETTING

SOURCE: TJBQ - ADEQUATE SECONDARY ALTIMETER NOT AVAILABLE. LOCAL ALTIMETER SETTING AVAILABLE ON CTAF.

PROCEDURE NA WHEN NOT RECEIVED.

CLASS E; SEE A/FD FOR DETAILS.

700' FLOOR OF CONTROLLED AIRSPACE ESTABLISHED 11 NM RADIUS OF TJBQ.

LP MINS NOT DEVELOPED AS EFPO REQUESTED LNAV MINS ONLY.

100 FT VEGETATION HEIGHT USED PER FPT.

ORDER 8260.3, 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	THLD	TO 1000FT POINT	3.21
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	252.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	4.88
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	252.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	300

THRESHOLD COORDINATES (IF STR-IN) 182958.99N/0670648.04W
ARP COORDINATES 182941.47N/0670745.99W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 26 DISTANCE 0.96 NM
FAF COORDINATES 183127.71N/0670154.34W
FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JOSHUA LEETE	AJV-A422	10/26/2023	AERONAUTICAL INFORMATION SPECIALIST

