

**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> CFD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> BRYAN	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 367	<u>TDZE</u> 361	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 11/07/2019
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 4E
				<u>EPOCH YEAR</u> 2010
				<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>
SUXOE	IAF	NUCIB		TF	FB	1.00	237.60	7.63	2500
GASEC	IAF	NUCIB		TF	FB	1.00	058.63	8.78	2500
NUCIB	IF	WAVIB		TF	FB	1.00	147.60	5.75	2000
WAVIB	FAF	KUNIW/1.90 NM TO RW15		TF	FB	0.30	147.63	3.13	
KUNIW/1.90 NM TO RW15		RW15	MAP	TF	FO	0.30	147.63	1.90	
RW15	MAP	636 MSL		CA			147.63		
636 MSL		WOTPO		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT WOTPO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT NUCIB
- FAC: 147.63 FAF: WAVIB DIST FAF TO MAP: 5.03 DIST FAF TO THLD: 5.03
- MIN ALT: NUCIB 2500, WAVIB 2000, KUNIW/1.90 NM TO RW15 1000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 275 HAT: 0.75 GS ANT: IM:
- MIN GP INCPT: 2000 GP ALT AT PFAF: WAVIB 2000 OM: MM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0
- MSA FROM: RW15 3000

QUALITY
13
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CLL ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GASEC ON V15 NORTHWEST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLL ALTIMETER SETTING AND INCREASE LPV AND LNAV/VNAV DA TO 661 FEET; INCREASE ALL MDAS 40 FEET.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 327.70 INBOUND.
 CHART FAS OBST: 445 TRANSMISSION_LINE (48-023605) 304247N/0962035W.
 CHART VDP AT 0.87 NM TO RW15.
 WAAS CHANNEL # 69403
 REFERENCE PATH ID: W15A
 LTP HAE: 82.3 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	A			B			C			D			E		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>												
LPV DA	636	1	275	636	1	275		NA			NA				
LNAV/VNAV DA	636	1	275	636	1	275		NA			NA				
LNAV MDA	720	1	359	720	1	359		NA			NA				

CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED FINAL: KUNIW TO RW15 AND MISSED COURSE FROM "147.64" TO "147.63" - CORRECT HEADING, FIXES DID NOT CHANGE.
2. TERMINAL ROUTES: UPDATED CA LEG FROM "632 MSL" TO "636 MSL" - IAW 8260.58D 3-5-2 B.
3. PROFILE LINE 4: REMOVED "" FROM KUNIW/1.90 NM TO RW15 1000 - NO LONGER REQUIRED.
4. PROFILE LINE 7: ADDED "20:1 IS CLEAR" - IAW 8260.19K 8-6-7 G.(3).
5. PBN REQUIREMENTS NOTES: UPDATED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8250.19K 8-6-8.
6. NOTES: UPDATED FROM "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19K 8-6-10 K.(2).
7. NOTES: UPDATED FROM "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT" TO "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19K 8-6-10.
8. NOTES: REMOVED "LNAV" - NO LONGER REQUIRED.
9. NOTES: UPDATED FROM "CHART NOTE: BARO-VNAV NA" TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CLL ALTIMETER SETTING" - ADDED LOCAL ALTIMETER.
10. NOTES: UPDATED FROM "USE COLLEGE STATION ALTIMETER SETTING; WHEN NOT RECEIVED, USE CALDWELL ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLL ALTIMETER SETTING AND INCREASE LPV AND LNAV/VNAV DA TO 661 FEET; INCREASE ALL MDAS 40 FEET" - ADDED LOCAL ALTIMETER.
11. NOTES: REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUXOE ON V369 NORTHWEST BOUND" - SUXOE NO ON V369.
12. ADDITIONAL FLIGHT DATA: REMOVED "CHART COLLEGE STATION ASOS" - ADDED LOCAL ALTIMETER.
13. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 0.87 NM TO RW15" - ADDED LOCAL ALTIMETER.
14. ADDITIONAL FLIGHT DATA: REMOVED "CHART PLANVIEW NOTE: RADAR REQUIRED" - IAW 8260.19K 8-6-8D.(2)(B).
15. MINIMUMS: UPDATED ALTERNATE FROM "N/A" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - ADDED LOCAL ALTIMETER.
16. CRC REMAINDER: UPDATED FROM "FFD2C4EA" TO "C35DFD75" - FPAP LAT/LONG UPDATED.



AIRPORT ID
CFD

PROCEDURE NAME
RNAV (GPS) RWY 15

ORIGINAL/AMENDMENT
1D

CITY
BRYAN

STATE
TX

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZHU, HOU APP CON, AMGR

FLIGHT CHECKED BY

JUSTUS R BRAY

Digitally signed by

RAKE MCGRAW

Dec 12, 2025

OFFICE

AJF

DATE

12/11/2025

DEVELOPED BY

DANIEL WESTON

Digitally signed by

RAKE MCGRAW

Dec 12, 2025

OFFICE

AJV-A422

DATE

10/10/2025

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

Dec 12, 2025

OFFICE

AJV-A422

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD
OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA
0
0
KCFD
RW15
0
0
W15A
304313.8970N
0962003.7420W
+00823
304155.3060N
0961914.6555W
00040.0
F
03.00
106.75
1528
40.0
50.0

CRC REMAINDER

C35DFD75

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K4
+01089
+01089



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

<u>AIRPORT ID</u> CFD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>AMDT NO.</u> 1D	<u>CITY</u> BRYAN	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 367	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM SUXOE **TO** NUCIB

RNP 1.00 DISTANCE 7.63 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>
TOWER (48-033143)	305311.20N/0962021.30W	756	500	50	5D	1000				AT744	2500
TERRAIN	305439.00N/0962648.00W	488 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM GASEC **TO** NUCIB

RNP 1.00 DISTANCE 8.78 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>
TOWER (48-167004)	304951.95N/0963206.72W	701	20	3	1A	1000				AT799	2500
TERRAIN	305321.00N/0962942.00W	492 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:



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FACILITY
RNAV

INTERMEDIATE

FROM
NUCIB **TO**
WAVIB

RNP 1.00 **DISTANCE** 5.75 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	305351.00N/0962757.00W	686	215	8	4B	500					1200
TERRAIN	305315.00N/0962812.00W	465 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LPV

FROM
WAVIB **TO**
RW15

RNP 0.30 **DISTANCE** 5.03 **PAT** **MAP** DA **HAT** 275 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRANSMISSION_LINE (48-014116)	304320.72N/0962010.69W	379	250	50	4D		34.00:1			AC50 XP25	636

COMPUTATIONS

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

SEGMENT REMARKS:

ADDED LOCAL ALTIMETER ON ORIG-D AMENDMENT, DID NOT LOWER MINIMUMS WHEN REMOVING RA (25). XP TO MAINTAIN PUBLISHED MINS.



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FACILITY
RNAV

FINAL: LNAV/VNAV

FROM
WAVIB

TO
RW15

RNP
0.30

DISTANCE
5.03

PAT

MAP
DA

HAT
275

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC			XP25	636

COMPUTATIONS

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

SEGMENT REMARKS:

ADDED LOCAL ALTIMETER ON ORIG-D AMENDMENT, DID NOT LOWER MINIMUMS WHEN REMOVING RA (25). XP TO MAINTAIN PUBLISHED MINS.

FINAL: LNAV

FROM
WAVIB

TO
KUNIW/1.90 NM TO RW15

RNP
0.30

DISTANCE
3.13

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	304718.00N/0962412.00W	591	215	8	4B	250				RA40 DG119	1000

COMPUTATIONS

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

SEGMENT REMARKS:



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AIRPORT ELEVATION
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FACILITY
RNAV

FINAL: LNAV STEPDOWN

FROM
KUNIW/1.90 NM TO RW15

TO
RW15

RNP
0.30

DISTANCE
1.90

PAT

MAP
RW15

HAT
359

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRANSMISSION_LINE (48-023605)	304246.86N/0962035.23W	445	50	20	2C	250				SA-9 XP34	720

COMPUTATIONS

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

SEGMENT REMARKS:

ADDED LOCAL ALTIMETER ON ORIG-D AMENDMENT, DID NOT LOWER MINIMUMS WHEN REMOVING RA (25). XP TO MAINTAIN PUBLISHED MINS.

MISSED APPROACH: LPV

FROM
DA

TO
WOTPO

RNP
0.30

DISTANCE

PAT

MAP

HAT

HMAS
436

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (48-003867)	303935.74N/0961656.01W	906	500	50	5D	1000					2000
TERRAIN	304306.00N/0962012.00W	364 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
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1D

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AIRPORT ELEVATION
367

FACILITY
RNAV

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
WOTPO

RNP 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
494

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (48-003867)	303935.74N/0961656.01W	906	500	50	5D	1000					2000
TERRAIN	304306.00N/0962012.00W	364 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW15 **TO**
WOTPO

RNP 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
620

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (48-003867)	303935.74N/0961656.01W	906	500	50	5D	1000					2000
TERRAIN	304306.00N/0962012.00W	364 (400)								AS1500	1900

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



"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV, AND NPA		
34:1			
374 TREE (48-038916) 304320.93N/0962005.11W (2.63)	379 TRANSMISSION_LINE (48-014116) 304320.720N/0962010.69W (1.37)		
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.

CAT A/B MINIMUMS ONLY PER FPT.

40 FT VEGETATION USED PER FPT.

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	3.15
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	151.63
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	4.83
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	151.63
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	400

THRESHOLD COORDINATES (IF STR-IN)

304313.90N/0962003.74W

ARP COORDINATES

304256.50N/0961952.90W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 33 DISTANCE 0.33 NM

FAF COORDINATES

304740.24N/0962250.23W

FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

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RNAV (GPS) RWY 15

AMDT NO.
1D

CITY
BRYAN

STATE
TX

AIRPORT ELEVATION
367

FACILITY
RNAV

PART E: PREPARED BY

NAME
DANIEL WESTON

OFFICE
AJV-A422

DATE
10/10/2025

TITLE
AERONAUTICAL INFORMATION SPECIALIST