

**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 DUB	PROCEDURE NAME RNAV (GPS) RWY 29	ORIGINAL/AMENDMENT ORIG	CITY DUBOIS	STATE WY
AIRPORT ELEVATION 7299	TDZE 7252	SUPERSEDED	DATED	MAG VAR 10E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE 02/20/2025	EPOCH YEAR 2025
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ROWEY	IAF	HANBO		TF	FB	1.00	290.55	18.40	9500
HANBO	IF	EVCIL		TF	FB	1.00	276.45	6.20	9000
EVCIL	FAF	RW29	MAP	TF	FO	0.30	286.44	5.39	
RW29	MAP	8300 MSL		CA			286.44		8300
8300 MSL		ROWEY		DF	FO	1.00			11500

MISSED APPROACH

MAP:

LPV: DA
LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 8300 THEN CLIMBING RIGHT TURN TO 11500 DIRECT ROWEY AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 9100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HANBO
- FAC: 286.44 FAF: EVCIL DIST FAF TO MAP: 5.39 DIST FAF TO THLD: 5.39
- MIN ALT: HANBO 9500, EVCIL 9000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 768 HAT: 2.30 GS ANT:
- MIN GP INCPT: 9000 GP ALT AT PFAF: EVCIL 9000 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 42.8
- MSA FROM: RW29 15000



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING NA S OF RWY 11-29

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 2.35 DEGREES.
HOLD E, RT, 282.02 INBOUND.
CHART FAS OBST: 8025 BUILDING (56-023125) 433156N/1094114W.
CHART VDP AT 4.40 NM TO RW29.
WAAS CHANNEL # 70447
REFERENCE PATH ID: W29A
CHART CIRCLING ICON.
LTP HAE: 2198.4 M

MINIMUMS:

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

ALTERNATE: NA CAT A, B 1500-2 1/2, CAT C 1600-3

<u>CATEGORY:</u>	A			B			C			D			E		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA*	8020	2 1/2	768	8020	2 1/2	768	8020	2 1/2	768		NA				
LNAV MDA*	8700	1 1/4	1448	8700	1 1/2	1448	8700	3	1448		NA				
CIRCLING	8700	1 1/4	1401	8700	1 1/2	1401	8800	3	1501		NA				

CHANGES - REASONS

12/16/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 7/25/24.

1. FAS DATA: CHANGED CRC REMAINDER FROM 65AD2234 TO 2C5EC7EA, LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +21989 TO +21984 - UPDATED AIRNAV RUNWAY DATA.
2. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 02/20/2025



AIRPORT ID
DUB

PROCEDURE NAME
RNAV (GPS) RWY 29

ORIGINAL/AMENDMENT
ORIG

CITY
DUBOIS

STATE
WY

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: AMGR, ZLC

FLIGHT CHECKED BY
PENDING

Digitally signed by
RAKE MCGRAW
Dec 17, 2024

OFFICE

DATE

DEVELOPED BY
JANTZEN TAYLOR

Digitally signed by
JANTZEN L TAYLOR
Dec 16, 2024

OFFICE
AJV-A422

DATE
07/25/2024

APPROVED BY
RAKE MCGRAW

Digitally signed by
RAKE MCGRAW
Dec 17, 2024

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
KDUB
RW29
0
0
W29A
433241.6900N
1094045.4400W
+21984
433321.2420N
1094235.2305W
00042.8
F
03.00
106.75
0000
40.0
50.0

CRC REMAINDER

2C5EC7EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K1
+22064
+22064



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

<u>AIRPORT ID</u> DUB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> ORIG	<u>CITY</u> DUBOIS	<u>STATE</u> WY	<u>AIRPORT ELEVATION</u> 7299	<u>FACILITY</u> RNAV
--------------------------	--	-------------------------	-----------------------	--------------------	----------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL
FROM ROWEY **TO** HANBO

RNP DISTANCE PAT MAP HAT HMAS
1.00 18.40

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	432936.00N/1092354.00W	7940	215	8	4B	1000				PR100 AT460	9500
TERRAIN	432636.00N/1092354.00W	7739 (7700)								AS1500	9200

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM HANBO **TO** EVCIL

RNP DISTANCE PAT MAP HAT HMAS
1.00 6.20

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	433106.00N/1093051.00W	8202	215	8	4B	500				PR200	9000
TERRAIN	433106.00N/1093051.00W	8001 (8000)								AS1000	9000

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
DUB

PROCEDURE NAME
RNAV (GPS) RWY 29

AMDT NO.
ORIG

CITY
DUBOIS

STATE
WY

AIRPORT ELEVATION
7299

FACILITY
RNAV

FINAL: LPV

FROM
EVCIL

TO
RW29

RNP
0.30

DISTANCE
5.39

PAT

MAP
DA

HAT
768

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRAVERSE_WAY (56-025423)	433235.75N/1094041.43W	7256	20	3	1A		34.00:1			PR70 MA694	8020

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM
EVCIL

TO
RW29

RNP
0.30

DISTANCE
5.39

PAT

MAP
RW29

HAT
1448

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BUILDING (56-023125)	433155.55N/1094114.39W	8025	20	10	1B	250				SA-358 PR190 MA580	8700

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
DUB

PROCEDURE NAME
RNAV (GPS) RWY 29

AMDT NO.
ORIG

CITY
DUBOIS

STATE
WY

AIRPORT ELEVATION
7299

FACILITY
RNAV

MISSED APPROACH: LPV

FROM DA **TO** ROWEY

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
7561

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	403630.00N/1094030.00W	8918	215	8	4B		ASC				11500
AAO	434012.00N/1094200.00W	9040	50	20	2C	1000				PR320	10400
TERRAIN	434012.00N/1094200.00W	8982 (9000)								AS1500	10500

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM RW29 **TO** ROWEY

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
8410

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	403206.00N/1094230.00W	8192	215	8	4B		ASC				11500
AAO	434012.00N/1094200.00W	9040	50	20	2C	1000				PR320	10400
TERRAIN	434012.00N/1094200.00W	8982 (9000)								AS1500	10500

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
DUB

PROCEDURE NAME
RNAV (GPS) RWY 29

AMDT NO.
ORIG

CITY
DUBOIS

STATE
WY

AIRPORT ELEVATION
7299

FACILITY
RNAV

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											
TERRAIN (56-025570)	433430.17N/1094139.79W	1.46	1401	7636	20	10	1B	300		SI	8700
CATEGORY B											
TRAVERSE_WAY (56-025556)	433455.65N/1094336.40W	2.11	1401	7713	20	10	1B	300		SI	8700
CATEGORY C											
TREE (56-025288)	433359.20N/1094627.84W	3.37	1501	8486	20	10	1B	300			8800

CIRCLING REMARKS:

MSA

CENTER
RW29

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	431103.00N/1092315.00W	167	21.7	13986	215	8	4B	1000			15000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



AIRPORT ID
DUB

PROCEDURE NAME
RNAV (GPS) RWY 29

AMDT NO.
ORIG

CITY
DUBOIS

STATE
WY

AIRPORT ELEVATION
7299

FACILITY
RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZLC ARTCC

WX SERVICE AWOS-3PT	LOCATION DUB	HRS OPERATION 24	ALTIMETER SOURCE DUB	DISTANCE 0	WMSCR Y	ADJUSTMENTS 0
-------------------------------	------------------------	----------------------------	--------------------------------	----------------------	-------------------	-------------------------

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
---------------------------	-----------------	----------------------	-------------------------	-----------------	--------------	--------------------

WX REMARKS:

NO SUITABLE BACKUP ALTIMETER SOURCE EXISTS.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
-----------------------	----------------------	----------------------	------------

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW11 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW29 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-G	

GLIDESLOPE ANGLE 3.00	ELEV RWY THRESHOLD 7238.9	TCH 42.8	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE 3.00	TCH 42.8
---------------------------------	-------------------------------------	--------------------	------------------------	--------------------------	---------------------------	--------------------

FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
---------------------	----------------------	------------	----------------

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING
20:1	
7338 TRAVERSE_WAY (56-043738) 433308.3700N/1094214.1300W (31.4)	7334 TRAVERSE_WAY (56-024710) 433309.1100N/1094214.1200W (25.78)
7327 FENCE (56-023137) 433308.8800N/1094213.2100W (22.29)	7329 FENCE (56-023140) 433309.0500N/1094213.9200W (21.57)
7329 TRAVERSE_WAY (56-043737) 433309.7600N/1094214.1200W (19.32)	7324 FENCE (56-023139) 433309.5000N/1094213.2000W (17.94)
7321 TERRAIN (56-024706) 433308.8600N/1094212.8300W (17.59)	7323 FENCE (56-023141) 433309.8500N/1094213.9300W (13.74)
7319 FENCE (56-023138) 433310.0700N/1094212.8000W (12.97)	7324 TRAVERSE_WAY (56-043736) 433310.4700N/1094214.1300W (12.69)
7322 TERRAIN (56-025193) 433308.6900N/1094215.6100W (9.8)	7311 TERRAIN (56-024705) 433310.3600N/1094211.4900W (8.65)
7317 FENCE (56-023142) 433310.5800N/1094213.9200W (6.13)	7319 TRAVERSE_WAY (56-025194) 433311.3500N/1094214.1400W (5.68)



AIRPORT ID
DUB

PROCEDURE NAME
RNAV (GPS) RWY 29

AMDT NO.
ORIG

CITY
DUBOIS

STATE
WY

AIRPORT ELEVATION
7299

FACILITY
RNAV

7310 FENCE (56-023100) 433311.1400N/1094212.1200W (3.82)	7314 TERRAIN (56-025192) 433309.9700N/1094214.6300W (2.16)
7316 TRAVERSE_WAY (56-025197) 433311.7200N/1094214.1300W (1.88)	7313 FENCE (56-023143) 433311.1100N/1094213.9100W (0.98)
FINAL TYPE	LPV, LNAV
34:1	
7253 TRAVERSE_WAY (56-025422) 433237.2300N/1094040.4100W (4.32)	7247 VEGETATION (56-025410) 433238.6000N/1094041.6500W (2.54)
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:

VEGETATION HEIGHT 120 FT PER FPT
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	4.14
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	296.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	7600
DISTANCE FROM	THLD	TO 1500FT POINT	6.96
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	1.82
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	286.45
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	8000

THRESHOLD COORDINATES (IF STR-IN) 433241.69N/1094045.44W
ARP COORDINATES 433255.15N/1094126.98W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 29 DISTANCE 0.55 NM
FAF COORDINATES 433017.78N/1093406.98W
FIX NAME COORDINATES

REMARKS



AIRPORT ID
DUB

PROCEDURE NAME
RNAV (GPS) RWY 29

AMDT NO.
ORIG

CITY
DUBOIS

STATE
WY

AIRPORT ELEVATION
7299

FACILITY
RNAV

PART E: PREPARED BY

NAME

JANTZEN TAYLOR

OFFICE

AJV-A422

DATE

07/25/2024

TITLE

