

**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.

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SUPERSEDED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

**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: MM: IM:
- 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: PROCEDURE NA AT NIGHT.  
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  
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

<b><u>CATEGORY:</u></b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
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**

1. NOTES: ADDED NOTE PROCEDURE NA AT NIGHT - PROCEDURES HAVE NOT BEEN FLIGHT CHECKED AT NIGHT.
2. ADDITIONAL FLIGHT DATA: REMOVED CHART CIRCLING ICON - NOTE NOT TO BE ADDED TO NEW PROCEDURES PER EMAIL QUESTIONS TO QC CONCERNING CIRC ICON DATED 4/16/24.
3. MINIMUMS: REMOVED ASTERISK FROM LNAV LINE OF MINIMUMS - LNAV LINE OF MINIMA MISSED APPROACH CG NOT REQUIRED.



AIRPORT ID  
DUB

PROCEDURE NAME  
RNAV (GPS) RWY 29

ORIGINAL/AMENDMENT  
ORIG-A

CITY  
DUBOIS

STATE  
WY

COORDINATED WITH:

A4A  ALPA  AOPA  APA  HAI  NBAA

OTHER: AMGR, ZLC

*Digitally signed by*

FLIGHT CHECKED BY

DANIEL STRICKER

RAKE MCGRAW

OFFICE

DATE

Apr 17, 2025

AJF

04/14/2025

DEVELOPED BY  
JANTZEN TAYLOR

*Digitally signed by*  
**JANTZEN L TAYLOR**  
Mar 05, 2025

OFFICE  
AJV-A422

DATE  
02/20/2025

APPROVED BY  
RAKE MCGRAW

*Digitally signed by*  
**RAKE MCGRAW**  
Apr 17, 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  
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-A	<u>CITY</u> DUBOIS	<u>STATE</u> WY	<u>AIRPORT ELEVATION</u> 7299	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**

**FROM** ROWEY **TO** HANBO

RNP 1.00      DISTANCE 18.40      PAT      MAP      HAT      HMAS

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 1.00      DISTANCE 6.20      PAT      MAP      HAT      HMAS

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:**



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DUB

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RNAV (GPS) RWY 29

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WY

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7299

**FACILITY**  
RNAV

**FINAL: LPV**

**FROM**  
EVCIL

**TO**  
RW29

**RNP**  
0.30

**DISTANCE**  
5.39

**PAT**

**MAP**  
DA

**HAT**  
768

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TRAVERSE_WAY (56-025423)	433235.75N/1094041.43W	7256	20	3	1A		34.00:1			PR70 MA423	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**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
BUILDING (56-023125)	433155.55N/1094114.39W	8025	20	10	1B	250				PR190 MA235	8700

**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

**MISSED APPROACH: LPV**

**FROM**  
DA **TO**  
ROWEY

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
0.30     7561

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (56-026499)	433009.67N/1094058.94W	9589	20	10	1B		ASC				11500
AAO	432954.00N/1093754.93W	8200	50	20	2C		CG/24.11 16:1			PR76	11500
AAO	433830.02N/1094030.14W	8880	50	20	2C					PR86	9100
AAO	434012.00N/1094200.00W	9183	215	8	4B	1000					10200
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:**

8200 AAO IS THE CG OBS AND THE 8880 AAO IS THE CGTA OBS.

**MISSED APPROACH: LNAV**

**FROM**  
RW29 **TO**  
ROWEY

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
0.30-1.00     8410

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (56-025489)	433049.26N/1094102.72W	8595	20	10	1B		ASC				11500
AAO	434012.00N/1094200.00W	9183	215	8	4B	1000					10200
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

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

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>RADIUS</b>	<b>HAA</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
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

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

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**



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WY

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**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**

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

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	CIRCLING RWY 11
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)





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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)
<b>PENETRATIONS REMARKS:</b>	

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

<b>PENETRATIONS REMARKS:</b>

**PART C: GENERAL REMARKS:**

VEGETATION HEIGHT 120 FT PER FPT  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PROCEDURE IS NA AT NIGHT DUE TO PROCEDURE NIGHT EVAL NOT BEING COMPLETED DUE TO FUNDING.

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**

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	4.14
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	1.20
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	296.44
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	7600
<b>DISTANCE FROM</b>	FAF	<b>TO 1500FT POINT</b>	6.20
<b>WIDTH OF</b>	INTERMEDIATE	<b>SEGMENT AT 1500FT POINT</b>	4.00
<b>TRUE COURSE OF</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	286.45
<b>HIGH TERRAIN IN</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	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**



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AMDT NO.  
ORIG-A

CITY  
DUBOIS

STATE  
WY

AIRPORT ELEVATION  
7299

FACILITY  
RNAV

**PART E: PREPARED BY**

NAME

JANTZEN TAYLOR

OFFICE

AJV-A422

DATE

02/20/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

