

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
JANDU (IAF)	WUBOG (NOPT) (FB)	119.12 / 9.30	4900	LPV: DA LNAV/VNAV: DA LNAV: RW05			
GAKDE (IAF)	WUBOG (NOPT) (FB)	339.31 / 9.30	4900				
WUBOG (IF/IAF)	BOTSE (FB)	049.24 / 7.21	3900	CLIMB TO 4900 DIRECT REPT AND HOLD.			
BOTSE (FAF)	RW05 (MAP) (FO)	049.31 / 4.99					
RW05 (MAP)	2520 MSL	049.31		<b>ADDITIONAL FLIGHT DATA:</b> HOLD NE, RT, 229.47 INBOUND. CHART FAS OBST: 2379 TREE 401828N/0785022W DISTANCE TO THLD FROM 250 HATH: 0.66 NM. WAAS CHANNEL # 61029 REFERENCE PATH ID: W05A LTP HAE: 659.8 M			
2520 MSL	REPTE (FO)		4900				

  

1. PT <u>    </u> SIDE OF COURSE <u>    </u> OUTBOUND <u>    </u> FT WITHIN <u>    </u> MILES OF <u>    </u> (IAF)	
2. HOLD SW WUBOG, RT, 049.24 INBOUND, 4900 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>049.31</u> FAF: <u>BOTSE</u>	DIST FAF TO MAP: <u>4.99</u> THLD: <u>4.99</u>
4. MIN. ALT: WUBOG 4900, BOTSE 3900	
5. DIST TO THLD FROM OM: <u>    </u> MM: <u>    </u> IM: <u>    </u> 150 HAT: <u>    </u> 100 HAT: <u>    </u> GS ANT: <u>    </u>	
6. MIN GS INCPT: <u>3900</u> GS ALT AT: <u>BOTSE 3900</u> OM: <u>    </u> MM: <u>    </u> IM: <u>    </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>39.0</u> 34:1 IS NOT CLEAR	
8. MSA FROM: <u>    </u>	

  

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD			
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	2520	1	250	2520	1	250	2520	1	250	2520	1	250			
LNAV/VNAV DA	2560	1	290	2560	1	290	2560	1	290	2560	1	290			
LNAV MDA	2640	1	370	2640	1	370	2640	1	370	2640	1	370			

  

CIRCLING	2700	1	416	2740	1	456	2880	1 1/2	596	2880	2	596			

  

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 29C (84F).

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 05 PROCEDURE NA AT NIGHT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CITY AND STATE  JOHNSTOWN, PA	ELEVATION: 2284	THRE: 2270	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 2 20 SEPTEMBER 2012	SUP:
	AIRPORT NAME:  JOHN MURTHA JOHNSTOWN-CAMBRIA CO				AMDT: 1
					DATED 08/27/2009

QUALITY  
2  
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV - STANDARD  
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TAA

	FROM	TO	ALT
1.	339/30 CW 119/30 (NOPT)	WUBOG (IF/IAF) (FB)	4900
2.	119/30 CW 229/30	JANDU (IAF) (FB)	4900
3.	229/30 CW 339/30	GAKDE (IAF) (FB)	4900

QUALITY  
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CHECKED

CITY AND STATE  
JOHNSTOWN, PA

ELEVATION: 2284      THRE: 2270  
AIRPORT NAME:  
JOHN MURTHA JOHNSTOWN-CAMBRIA CO

FACILITY  
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 5, AMDT 2  
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RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJST
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	401837.4270N
LTP/FTP LONGITUDE	0785021.6365W
LTP/FTP ELLIPSOIDAL HEIGHT	+06598
FPAP LATITUDE	401946.3700N
FPAP LONGITUDE	0784907.7700W
THRESHOLD CROSSING HEIGHT (TCH)	00039.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1416
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A173DE5B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+06920
FPAP ORTHOMETRIC HEIGHT	+06920

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CITY AND STATE  
JOHNSTOWN, PA

ELEVATION: 2284      THRE: 2270  
AIRPORT NAME:  
JOHN MURTHA JOHNSTOWN-CAMBRIA CO

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 5, AMDT 2  
20 SEPTEMBER 2012

SUP:  
AMDT: 1  
DATED: 08/27/2009

## **RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KJSTK6FR05	AGAKDE	010GAKDEK6EA0E	A	IF					18000		A	JS
SUSAP	KJSTK6FR05	AGAKDE	020WUBOGK6EA0EE	B	010TF		33930093		+ 04900			A	JS
SUSAP	KJSTK6FR05	AJANDU	010JANDUK6EA0E	A	IF					18000		A	JS
SUSAP	KJSTK6FR05	AJANDU	020WUBOGK6EA0EE	B	010TF		11910093		+ 04900			A	JS
SUSAP	KJSTK6FR05	AWUBOG	010WUBOGK6EA0EE	AR	HF		04920050		+ 04900		18000	A	JS
SUSAP	KJSTK6FR05	R	010WUBOGK6EA0E	I	IF				+ 04900		18000	A	JS
SUSAP	KJSTK6FR05	R	020BOTSEK6EA1E	F	051TF		04920072		+ 03900			A	JS
SUSAP	KJSTK6FR05	R	020BOTSEK6EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KJSTK6FR05	R	030RW05 K6PG0GY	M	031TF		04930050		02309		-300	A	JS
SUSAP	KJSTK6FR05	R	040	0	M	CA	0493		+ 02520			A	JS
SUSAP	KJSTK6FR05	R	050REPTEK6EA0EY		DF				+ 04900			A	JS
SUSAP	KJSTK6FR05	R	060REPTEK6EA0EE	R	HM		22950050		+ 04900			A	JS

[illegible][illegible]

QUALITY  
4  
CHECKED

CITY AND STATE <b>JOHNSTOWN, PA</b>	ELEVATION: <b>2284</b>	THRE: <b>2270</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, AMDT 2</b> 20 SEPTEMBER 2012	SUP:
	AIRPORT NAME: <b>JOHN MURTHA JOHNSTOWN-CAMBRIA</b>		<b>RNAV</b>		AMDT: <b>1</b>
					DATED: <b>08/27/2009</b>

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GAKDE	GAKDE	010	IAF	IF		FB					
	GAKDE	WUBOG	020		TF		FB	1.0	339.3 (329.3T)	009.3	AA 04900	
	JANDU	JANDU	010	IAF	IF		FB					
	JANDU	WUBOG	020		TF		FB	1.0	119.1 (109.1T)	009.3	AA 04900	
	WUBOG	WUBOG	010	IAF	HF	R	FO		049.2 (039.2T)	005.0	AA 04900	
		WUBOG	010	FACF	IF		FB				AA 04900	
		BOTSE	020	FAF	TF		FB	0.5	049.2 (039.2T)	007.2	AA 03900	
		RW05	030	MAP	TF		FO	0.3	049.3 (039.3T)	005.0	AT 02309	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		049.3 (039.3T)		AA 02520	
	REPTE	050		DF		FO				AA 04900	
	REPTE	060		HM	R	FO		229.5 (219.5T)	005.0	AA 04900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOTSE	N401445.47	W0785429.77	N4014.758	W07854.496
	GAKDE	N400110.50	W0785415.48	N4001.175	W07854.258
	JANDU	N401213.98	W0791154.56	N4012.233	W07911.909
	REPTE	N402836.87	W0783937.39	N4028.615	W07839.623
	WUBOG	N400910.53	W0790026.95	N4009.176	W07900.449
	RW05	N401837.43	W0785021.64	N4018.624	W07850.361

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	02270	39



CITY AND STATE <b>JOHNSTOWN, PA</b>	ELEVATION: <b>2284</b>	THRE: <b>2270</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>JOHN MURTHA JOHNSTOWN-CAMBRIA</b>		<b>RNAV</b>	<b>RNAV (GPS) RWY 5, AMDT 2</b>	AMDT: <b>1</b>
				20 SEPTEMBER 2012	DATED: <b>08/27/2009</b>