

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>				<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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.									
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>							
FROM	TO	COURSE AND DISTANCE	ALTITUDE														
ESUTE (IAF)	COTSO (NOPT) (FB)	244.32 / 5.00	4900	LPV: DA LNAV/VNAV: DA LNAV: RW33  CLIMB TO 4800 DIRECT LEDBE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 154.05 INBOUND. CHART FAS OBST: 2294 TREE 401806N/0784931W DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 0.90 MILES TO RW33* *LNAV ONLY. WAAS CHANNEL # 61113 REFERENCE PATH ID: W33A													
FOMTI (IAF)	COTSO (NOPT) (FB)	064.20 / 5.00	4900														
COTSO (IF/IAF)	CETIX (FB)	334.26 / 6.02	4600														
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD SE COTSO, RT, 334.26 INBOUND, 4900 FT. IN LIEU OF PT (IAF) 3. FAC: <u>334.21</u> FAF: <u>CETIX</u> DIST FAF TO MAP: <u>7.03</u> THLD: <u>7.03</u> 4. MIN. ALT: <u>COTSO 4900, CETIX 4600, WASDO/2.80 NM TO RW33 3200*</u> 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>4600</u> GS ALT AT: <u>CETIX</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.6</u> 34:1 IS CLEAR 8. MSA FROM: <u>      </u>										MAG VAR: 10W      EPOCH YEAR: 2010							
<b>MINIMUMS</b>																	
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		<b>STANDARD</b>						
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	2481	1/2	200	2481	1/2	200	2481	1/2	200	2481	1/2	200					
LNAV/VNAV DA	2552	1/2	271	2552	1/2	271	2552	1/2	271	2552	3/4	271					
LNAV MDA	2600	1/2	319	2600	1/2	319	2600	1/2	319	2600	1	319					
CIRCLING	2660	1	376	2740	1	456	2880	1 1/2	596	2880	2	596					
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT D. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 44C (111F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10																	
CITY AND STATE				ELEVATION: 2284 TDZE: 2281				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
JOHNSTOWN, PA				AIRPORT NAME: JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY				RNAV				RNAV (GPS) RWY 33, AMDT 1 27 AUG 2009				AMDT: ORIG-A	
																DATED 03/20/2003	



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**NOTES CONT.**

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

\*LNAV ONLY

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV/VNAV CAT D VISIBILITY TO 1 MILE.

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	244/30 CW 064/30 (NOPT)	COTSO (IF/IAF) (FB)	4900
2.	064/30 CW 154/30	FOMTI (IAF) (FB)	4900
3.	154/30 CW 244/30	ESUTE (IAF) (FB)	4900

QUALITY  
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CHECKED

CITY AND STATE

JOHNSTOWN, PA

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COUNTYFACILITY  
IDENTIFIER:

RNAV

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KJST  
RUNWAY RW33  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W33A  
LTP/FTP LATITUDE 401829.0900N  
LTP/FTP LONGITUDE 0784938.9900W  
LTP/FTP ELLIPSOIDAL HEIGHT +06567  
FPAP LATITUDE 401925.1700N  
FPAP LONGITUDE 0785031.9400W  
THRESHOLD CROSSING HEIGHT (TCH) 00057.6  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0000  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

2144C4AC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6  
LTP ORTHOMETRIC HEIGHT +06888  
FPAP ORTHOMETRIC HEIGHT +06888

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[illegible]

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CITY AND STATE  JOHNSTOWN, PA	ELEVATION: 2284    TDZE: 2281  AIRPORT NAME:  JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 33, AMDT 1  27 AUG 2009	SUP:
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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KJSTK6PR33	RW33	001	0000W33A0N4018290900W07849389900	+065670300N4019251700W07850319400106750000000576F4003502144C4AC								
	SUSAP KJSTK6PR33	RW33	002E	+06888+06888LPV	61113								

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COTSO	COTSO	010	IAF	HF	R	FO		334.3 (324T)	005.0	04900
	ESUTE	ESUTE	010	IAF	IF		FB				
	ESUTE	COTSO	020		TF		FB	1.0	244.3 (234T)	005.0	04900
	FOMTI	FOMTI	010	IAF	IF		FB				
	FOMTI	COTSO	020		TF		FB	1.0	064.2 (054T)	005.0	04900
		COTSO	010	FACF	IF		FB				04900
		CETIX	020	FAF	TF		FB	0.5	334.3 (324T)	006.0	04600
		WASDO	021	SDF	TF		FB	0.3	334.2 (324T)	004.2	0320003217
		RW33	030	MAP	TF		FO	0.3	334.2 (324T)	002.8	02318

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LEDBE	040		DF		FO	1.0			04800
	LEDBE	050		HM	R	FO	2.0	154.1 (144T)	005.0	04800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CETIX	N401246.84	W0784416.55	N4012.781	W07844.276
	COTSO	N400753.53	W0783941.11	N4007.892	W07839.685
	ESUTE	N401048.77	W0783423.41	N4010.813	W07834.390
	FOMTI	N400458.05	W0784458.36	N4004.968	W07844.973
	LEDBE	N402820.13	W0785858.56	N4028.336	W07858.976
	WASDO	N401612.80	W0784730.45	N4016.213	W07847.508
	RW33	N401829.09	W0784938.99	N4018.485	W07849.650

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW33	02260	58

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