

**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</u> JOHN MURTHA JOHNSTOWN-CAMBRIA CO	<u>AIRPORT ID</u> KJST	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> JOHNSTOWN	<u>STATE</u> PA	
<u>AIRPORT ELEVATION</u> 2284	<u>TDZE</u> 2276	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 08/27/2009	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 064/30 CW 244/30	NOPT	LEDBE	IF/IAF	4800
2. 244/30 CW 334/30		MASDE	IAF	4800
3. 334/30 CW 064/30		NADNE	IAF	4800

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>
MASDE	IAF	LEDBE	NOPT	TF	FB	1.00	244.11	5.00	4800
NADNE	IAF	LEDBE	NOPT	TF	FB	1.00	063.99	5.00	4800
LEDBE	IF/IAF	STRNS		TF	FB	1.00	154.05	6.11	3900
STRNS	FAF	RW15	MAP	TF	FO	0.30	154.10	4.89	
RW15	MAP	2526 MSL		CA			154.10		
2526 MSL		COTSO		DF	FO	1.00			4900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4900 DIRECT COTSO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
4
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD NW LEDBE, RT, 154.05 INBOUND, 4800 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 154.10 FAF: STRNS DIST FAF TO MAP: 4.89 DIST FAF TO THLD: 4.89

4. MIN ALT: LEDBE 4800, STRNS 3900

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.63 GS ANT: MM: IM:

6. MIN GP INCPT: 3900 GP ALT AT FAF STRNS 3900 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 52.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.12 NM TO RW15*
*LNAV ONLY
WAAS CHANNEL #53513
REFERENCE PATH ID: W15A
CHART FAS OBST:2366 TREE 401937N/0785018W.
HOLD SE, RT, 334.26 INBOUND
LTP HAE: 659.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	2526	3/4	250	2526	3/4	250	2526	3/4	250	2526	3/4	250			
LNAV/VNAV DA	2595	1	319	2595	1	319	2595	1	319	2595	1	319			
LNAV MDA	2680	1	404	2680	1	404	2680	1 1/8	404	2680	1 1/4	404			
CIRCLING	2700	1	416	2880	1	596	2880	1 1/2	596	3000	2 1/4	716			



CHANGES - REASONS

1. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENT NOTES: RNP APCH -8260.19H 4-6-10.
2. UPDATED LINE 5 FROM 250 HAT:0.64 TO 0.63 - TARGETS 5.5.1
3. UPDATED CHART NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 19°C (-2°F) OR ABOVE 44°C (111°F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C. - 8260.19H 8-6-9.
4. LNAV CAT C VIS CHANGED FROM1 SM TO 1 1/8 SM AND CAT D CIRC VIS FROM2 SM TO 2 1/4 SM. - AJV VALIDATED VISCHECK CALCULATOR.
5. CAT A CIRCLING MDA/HAA CHANGED FROM2660/376 TO 2700/416 - INCORPORATING FDC NOTAM 8/5942 - NEW CONTROLLING OBSTACLE.
6. CAT D CIRCLING MDA/HAA CHANGED FROM2880/596 TO 3000/716 - EXPANDED CIRCLING APPLIED TO MATCH VOR Z RWY23.
7. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - EXPANDED CIRCLING APPLIED TO MATCH VOR Z RWY23.
8. ADDED CA LEG TO MISSED APPROACH -8260.58A 3-5-2
9. CHANGED ALTERNATE MINS FROM STANDARD TO STANDARD - CAT D800-2 1/4 - 8260.3D 3-4-1
10. CHANGED ADDITIONAL FLIGHT DATA FROM CHART FAS OBST2351 TREE 401907N/0785038W TO CHART FAS OBST:2366 TREE 401937N/0785018W - NEW FINAL CONTROLLER IDENTIFIED
11. CRC REMAINDER CHANGED FROM 74A461B8 TO B2093E6B - LTP/FTP ELLIPSOIDAL HIGHT VALUE INCREASED BY1.
12. DELETED NOTE "VISIBILITY REDUCTION BY HELICOPTERS NA" - VISUAL SURFACES ARE CLEAR.
13. ADDED "20:1 IS CLEAR" TO LINE 7 - NO 20:1 SURFACE PENETRATIONS.
14. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - PER .19H PARA 8-6-7B (2).
15. VDP CHANGED FROM "0.94 MILES TO RW15" TO "1.12 NM TO RWY 15" - PER TARGETS.
16. CAT B CIRCLING MDA/HAA CHANGED FROM2740/456 TO 2880/596 - NEW CONTROLLING OBSTACLE.
17. LNAV MDA/HAT CHANGED FROM2620/344 TO 2680/404 - PRECIPITOUS TERRAIN ADJUSTMENT PER TARGETS BUILD.

06/10/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON03/14/19.
1. CHANGED LINE 6 FROM GP ALT AT FAF STRNS TO GP ALT AT FAF STRNS3900.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOB, AMGR

FLIGHT CHECKED BY
DURLEY JAN FELDER

Digitally signed by
CASIMIR L TABAKA

OFFICE
FIOG
DATE
05/24/2019

DEVELOPED BY
ROBERT G HAMILTON (TYLER MITCHELL)

Jun 10, 2019
Digitally signed by
CASIMIR L TABAKA

OFFICE
AJV-A422
DATE
02/11/2019

APPROVED BY
JULIE MORGAN
Digitally signed by
CASIMIR L TABAKA
Jun 10, 2019

OFFICE
A42
DATE
TITLE
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJST
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	401925.1700N
LTP/FTP LONGITUDE	0785031.9400W
LTP/FTP ELLIPSOIDAL HEIGHT	+06598
FPAP LATITUDE	401812.9000N
FPAP LONGITUDE	0784923.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B2093E6B

ADDITIONAL PATH POINT RECORD INFORMATION

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

