

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23

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 ID</u> KJST	<u>PROCEDURE NAME</u> VOR Y RWY 15	<u>ORIGINAL/AMENDMENT</u> 9B	<u>CITY</u> JOHNSTOWN	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 2284	<u>TDZE</u> 2276	<u>SUPERSEDED</u> VOR Y RWY 15	<u>ORIGINAL/AMENDMENT</u> 9A	<u>DATED</u> 08/15/2019	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> JST	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE

**MISSED APPROACH**

**MAP:**

JST VOR/DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4300 THEN RIGHT TURN DIRECT JST VOR/DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT L SIDE OF COURSE 326.01 OUTBOUND 4200 FT WITHIN 10 MILES OF JST VOR/DME (IAF)  
2.  
3. FAC: 146.01 FAF: DIST FAF TO MAP: DIST FAF TO THLD:  
4. MIN ALT:  
8. MSA FROM: JST VOR/DME 4400

**EQUIPMENT REQUIREMENTS NOTES:**

**NOTES:**



ADDITIONAL FLIGHT DATA:

CHART VDP AT 3.60 DME.  
DISTANCE VDP TO THLD 3.04 NM.  
CHART 4300 PRIOR TO JST VOR/DME IN PROFILE.  
HOLD NE, RT, 230.00 INBOUND.  
CHART FAS OBST: 3013 TOWER 402217N/0785855W.  
FAC CROSSES RWY C/L EXTENDED 1307 FT FROM THLD.  
CHART CIRCLING ICON.

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

ALTERNATE: NA ☐ CAT A, B 1100-2, CAT C, D 1100-3

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
S-15	3300	1 1/4	1024	3300	1 1/2	1024	3300	3	1024	3300	3	1024			
CIRCLING	3300	1 1/4	1016	3300	1 1/2	1016	3300	3	1016	3300	3	1016			

CHANGES - REASONS

1. CHANGED THE PROCEDURE TURN ALTITUDE FROM 4000 FT TO 4200 FT - TO PROVIDE 1500 FT AIRSPACE.
2. CHANGED S-15 MDA/HAT FROM 3240/964 TO 3300/1024, CMDA/HAA FROM 3240/956 TO 3300/1016 - PRECIPITOUS TERRAIN ADJUSTMENT ADDED TO FINAL SEGMENT.
3. ADDED CHART 4300 PRIOR TO JST VOR/DME IN PROFILE TO ADDITIONAL FLIGHT DATA - IAW 8260.19H 8-6-7A(2).
4. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM: CHART VDP AT 3.41 DME TO: CHART VDP AT 3.60 DME, AND DISTANCE VDP TO THD FROM 2.86 NM TO 3.04 NM - S-15 MDA INCREASED IN NEW PROCEDURE EVALUATION.
5. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM: FAC CROSSES RWY C/L EXTENDED 1316 FT FROM THLD TO: FAC CROSSES RWY C/L EXTENDED 1307 FT FROM THLD - NEW PROCEDURE EVALUATION.
6. CHANGED MISSED APPROACH INSTRUCTIONS FROM: CLIMB TO 4200 THEN RIGHT TURN DIRECT JST VOR/DME AND HOLD TO: CLIMB TO 4300 THEN RIGHT TURN DIRECT JST VOR/DME AND HOLD - NEW OBSTACLE EVALUATION RESULTS.
7. ALTERNATE MINIMUMS CHANGED FROM: CAT A, B 1000-2, CAT C, D 1000-3 TO: CAT A, B 1100-2, CAT C, D 1100-3 - MDAS INCREASE IN NEW EVALUATION.
8. REMOVED NA WHEN LOCAL WEATHER NOT AVAILABLE FROM ALTERNATE MINIMUMS - NO BACKUP ALTIMETER FOR AIRPORT.

COORDINATED WITH:

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

FLIGHT CHECKED BY

JORGE A MALCUN

Digitally signed by

JON DENTON

Sep 20, 2021

OFFICE

FPO

DATE

09/18/2021

Digitally signed by

JON DENTON

Sep 20, 2021

OFFICE

AJV-A432

DATE

06/12/2020

DEVELOPED BY

WARDELL HENNING (RICHARD CHRISTENSEN)

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Sep 20, 2021

OFFICE

AJV-A430

DATE

TITLE

MANAGER



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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KJST	VOR Y RWY 15	9B	JOHNSTOWN	PA	2284	JST

PART A: OBSTRUCTION DATA SEGMENTS

FINAL: PT

FROM 10 NM TO JST VOR/DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	10.00		JST VOR/DME	1024								
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
1.TOWER (42-002980)	402217.00N/0785855.00W	3013	500	125	5E	300				AC125 SA-202 PR60	3300	

COMPUTATIONS

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

SEGMENT REMARKS:

ENTRY ZONE

FROM JST VOR/DME TO 10 NM

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
2.WINDMILL (42-020410)	401514.84N/0784253.98W	3118	250	50	4D	1000					4200	
3.TERRAIN	401415.00N/0784339.00W	2821								AS1500	4300	

COMPUTATIONS

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

SEGMENT REMARKS:



PROCEDURE TURN

FROM

JST VOR/DME

TO

10 NM

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (42-002980)	402217.00N/0785855.00W		3013	500	125	5E	1000					4100
4.TERRAIN	401848.00N/0790212.00W		2723 (2700)								AS1500	4200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH

FROM

JST VOR/DME

TO

JST VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2940					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4300
2.WINDMILL (42-020418)	401447.97N/0784214.46W		3226	500	125	5E	1000					4300
5.TERRAIN	401412.00N/0784336.00W		2857 (2900)								AS1000	3900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

KJST

PROCEDURE NAME

VOR Y RWY 15

AMDT NO.

9B

CITY

JOHNSTOWN

STATE

PA

AIRPORT ELEVATION

2284

FACILITY

JST

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											
6.FLAG POLE	401756.61N/0784953.68W	1.33	1016	2384	20	3	1A	300		SI	3300
CATEGORY B											
7.TOWER (42-001945)	401655.56N/0785023.66W	1.89	1016	2519	250	50	4D	300		SI	3300
CATEGORY C											
7.TOWER (42-001945)	401655.56N/0785023.66W	2.98	1016	2519	250	50	4D	300		SI	3300
CATEGORY D											
8.AAO	401556.50N/0784550.15W	3.89	1016	2700	50	20	2C	300		SI	3300

CIRCLING REMARKS:

MSA

CENTER

JST VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	401718.60N/0783401.50W	104	12.4	3340	1000	3	6A	1000			4400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

QUALITY  
22  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 3 of 7

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZOB ARTCC, JST TOWER

WX SERVICE ASOS	LOCATION KJST	HRS OPERATION 24	ALTIMETER SOURCE KJST	DISTANCE 0	SERVICE-A Y	ADJUSTMENTS 0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:  
NO SUITABLE BACK UP ALTIMETER SETTING SOURCE AVAILABLE.

PRIMARY NAVAID JST VOR/DME	MONITOR POINT AOCC	HRS OPERATION 24	CAT 1
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05 - MIRL, REIL, PAPI-4L		NPI-G	
RW23 - MIRL, REIL, VASI-4L		NPI-G	
RW15 - HIRL (PCL), VASI-4L		PIR-G	
RW33 - MALSR (PCL), HIRL (PCL), PAPI-4R (PCL)		PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE 3.00	TCH 52.0
------------------	--------------------	-----	-----------------	-------------------	--------------------	-------------

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	1307 FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

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

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



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

PENETRATIONS REMARKS:

**PART C: GENERAL REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
FINAL APPROACH COURSE OFFSET 4.12 DEGREES RIGHT.  
NO SUITABLE CONTINGENCY ALTIMETER IS AVAILABLE DUE TO MOUNTAINOUS TERRAIN  
100 FT VEGETATION USED  
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KJST	<u>PROCEDURE NAME</u> VOR Y RWY 15	<u>AMDT NO.</u> 9B	<u>CITY</u> JOHNSTOWN	<u>STATE</u> PA	<u>AIRPORT ELEVATION</u> 2284	<u>FACILITY</u> JST
---------------------------	---------------------------------------	-----------------------	--------------------------	--------------------	----------------------------------	------------------------

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	FACILITY	TO 1000FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	140.01
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	2600
DISTANCE FROM	FACILITY	TO 1500FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.80
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	140.01
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	2600

THRESHOLD  
COORDINATES  
(IF STR-IN)

401925.17N/0785031.94W

ARP COORDINATES

401856.00N/0785004.80W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 15 DISTANCE 0.60 NM

FAF  
COORDINATES

FIX NAME  
COORDINATES

REMARKS

VOR NO FAF PROCEDURE.

QUALITY  
22  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 6 of 7



PART E: PREPARED BY

<u>NAME</u> WARDELL HENNING (RICHARD CHRISTENSEN)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 06/12/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
---	---------------------------	---------------------------	---

