Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 08/08/2012	Task #: 2012080827735701001	Request #: 20120808277357
Procedure: RADAR ORIG		Airport ID: KJST	Airport: JOHN MURTHA JOHNSTOWN-CAMBRIA CO		Reimbursable #:
City: JOHNSTOWN	ST: PA	GPS #:		Estimated Chart Date: 05/02/2013	FICO #:
Fac ID: JSTB	Fac. Type: ASR	Specialist: MIKE MELSSEN			

Procedure Review

p2

	Rec'd	Rel'd	Full Name	Comments
Lead:	10/10/2012	01/10/2013	PATRICK MULQUEEN	
QA:	01/10/2013	01/10/2013	DAVID PUGLISI	
Liaison:	01/10/2013		Spurlin	

Procedure Comments: ENROUTE-NON **Remark Type:** INFORMATION

pg 1 of 1

JOHNSTOWN, PA JOHN MURTHA JOHNSTOWN-CAMBRIA CO (KJST) RADAR-1, ORIG ENROUTE-NO FC: 3.19.13 PUB: 5.2.13

ATTACHED FORMS: 8260-4; 8260-10; 8260-9; 8260-2(S): (INFO ONLY) JOHNSTOWN (JST) VTAC, REV 14.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE --TITLE 14 CFR PART 97.31

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.

Initial approach minimum altitude(s) shall correspond with those established for enroute operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when; (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach.

Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when; (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES *(Sectors and distances measured from radar antenna)*

FROM	TO	DISTANCE
AS ESTABLISHED BY CURRENT JOHNSTOWN ASR MINIMUM VECTORING ALTITUDE CHART		

MISSED APPROACH

MAP: PAR: DH
ASR: 0.5 NM FROM RWY THLD

RWY 33: CLIMB TO 4600 FOR RADAR VECTORS, OR CLIMB TO 3800 THEN CLIMBING RIGHT TURN TO 4600 DIRECT JST VORTAC AND HOLD NORTH EAST, RIGHT TURNS, 230 INBOUND, CONTINUE CLIMB-IN-HOLD TO 4600 IF NECESSARY.

MINIMUMS

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

CATEGORY =====>	A			B			C			D					
	DA/ MDA	VIS	HAT/HAA	DA/ MDA	VIS	HAT/HAA	DA/ MDA	VIS	HAT/HAA	DA/ MDA	VIS	HAT/HAA		VIS	HAT/HAA
PAR S-33	2460	1/2	200	2460	1/2	200	2460	1/2	200	2460	1/2	200			
ASR S-33	2640	5/8	380	2640	5/8	380	2640	5/8	380	2640	5/8	380			
CIRCLING	2700	1	416	2960	1	676	2960	2	676	2960	2 1/4	676			

NOTES:

MILITARY USE ONLY

PAR RWY 33: FAF 7.02 MILES FROM THRESHOLD, GLIDEPATH INTERCEPT ALTITUDE 4600, FINAL APPROACH COURSE 334.21.

ASR RWY 33: FAF 7.17 MILES FROM THRESHOLD, MINIMUM ALTITUDE 4600; MINIMUM ALTITUDE 3.2 NM 3340; FINAL APPROACH COURSE 334.21. RECOMMENDED ALTITUDE: 6 MILES 4280; 5 MILES 3960; 4 MILES 3640; 3 MILES 3320; 2 MILES 3000; 1 MILE 2680.

LOST COMMUNICATIONS (ALL RWYS): AS DIRECTED BY ATC ON INITIAL CONTACT.

ADDITIONAL FLIGHT DATA

THRE: 2260.0	RWY: 33	THRE:	RWY:
THRE:	RWY:	THRE:	RWY:

FAS OBST: 2379 TREE 401803N/0784951W

PAR RWY 33: GS 3.00/TCH 57.50/RPI 1097.17

QUALITY CHECKED 1

MAG VAR: 10W EPOCH YEAR: 2010

CITY AND STATE	ELEVATION: 2284 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JOHNSTOWN, PA	JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY	JST PAR/ASR	RADAR 1, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☒ NO		ROUTINE

COORDINATED WITH:

ATA		ALPA	APA	AOPA	NBAA	OTHER (specify)
☒	☐	☒	☐	☒	☒	☒ ZOB, JST ATCT, AMGR

FLIGHT CHECKED BY		
	FIFO	DATE:
DEVELOPED BY		
NAME: **DONALD E. SMITH (MIKE MELSSEN)**	NFPG **AJV-352**	DATE: **11/15/2012**
APPROVED BY		
NAME: **SUE CRUMB, MANAGER**	**AJV-352**	

QUALITY CHECKED

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NOTES, (CONT.):

CHART NOTE: VGSI AND PAR GLIDEPATH NOT COINCIDENT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE ASR S-33 CAT A/B VISIBILITY TO 1.

CHART CIRCLING ICON.

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 2284 THRE: 2260	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JOHNSTOWN, PA	AIRPORT NAME: JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY	JST PAR/ASR	RADAR-1, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	AS ESTABLISHED	BY THE CURRENT	JOHNSTOWN ASR	MINIMUM VECTORING	ALTITUDE	CHART		
FINAL: PAR	GS INTCP	THLD				ASC		2260/200
FINAL: ASR	7.17NM	3.2 NM	1. AAO	401413.81N/0784331.14	3039 (2C)	250	XL 34	3340
FINAL: ASR STEP	3.2 NM	0.5 NM FROM R33	2. TREE	401803.22N/0784951.15W	2379 (2C)	250		2640
PAR MISSED	RWY 33 - DH	RADAR VECTOR				ASC		4600
APPROACH			3. AAO	402428.60N/0785643.80W	2780 (2C)	1000	AC125	4200
			4. TERRAIN	402428.60N/0785643.80W	2580 (2900)		AS 1000	3600
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	RWY 33 - 0.5 NM	RADAR VECTOR				ASC		4600
			5. TOWER	402217.00N-0785855.00W	3013 (5E)	1000	AC125	4200
ELEV:	2291/2390		4. TERRAIN	402428.60N/0785643.80W	2580 (2600)		AS 1000	3600
			6. TREE	401930.63N/0785022.84W	2399 (2C)	300		2700
			7. TOWER (42-001945)	401656.00N/0785024.00W	2519 (5E)	300	AC125	2960
			7. TOWER (42-001945)	401656.00N/0785024.00W	2519 (5E)	300	AC125	2960
			7. TOWER (42-001945)	401656.00N/0785024.00W	2519 (5E)	300	AC125	2960

4. CIRCLING	DISTANCE	REQUIRED HT. ABV. ARPT.	ACTUAL HT. ABV. ARPT.
CATEGORY A	1.3 NM	350	416
CATEGORY B	1.5 NM	450	676
CATEGORY C	1.7 NM	450	676
CATEGORY D	2.3 NM	550	676
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES

PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	M S A

QA!!! CHECKED

CITY AND STATE	AIRPORT & ELEVATION	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
JOHNSTOWN, PA	JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY 2284	JST PAR/ASR	RADAR 1, ORIG	AEA

FAA Form 8260 - 9 / December 2002 (Computer Generated)

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:

SEE ATTACHED AIRSPACE LETTER.

100 FT VEGETATION PER FPT.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - SURVEILLANCE RADAR APPROACH.

SERVICE A: YES

ORDER 8260.3B, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED:

CAT A: 1.33 NM
CAT B: 1.89 NM
CAT C: 2.98 NM
CAT D: 3.89 NM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH :	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZOB **JST APP CON** **JST ATCT**	[ ] N W S [ ] F A A [ ] A / C OTHER: **ASOS**	SOURCE: **KJST**
		DISTANCE:
SATISFACTORY ON: [X] V H F [X] U H F [ ] H F	LOCATION: **KJST**	HOURS REMOTE OPERATION:
	HRS OPTN: **24**	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY		SECONDARY	
	NAVAID: **JSTB PAR**		NAVAID:	
	MONITOR POINT: **JST APP CON**		MONITOR POINT:	
	HRS OPTN: CAT 1	**OPEN**	HRS OPTN: CAT 1	
	CAT 3	**CLOSED**	CAT 3	

5. AIRSPACE				
	FLOOR OF CONTROLLED AIRSPACE UNDER FAC			CONTROL AREA
		CONTROL ZONE:	HOURS OPTN	TRANSITION AREA

6. APPROACH & RUNWAY LIGHTING				
		ALS	X	REIL **05, 33, 23**
		(S) SALS		TDZ
	X	MALSR **33 (PCL)**		C/LINE
	X	HIRL **33 (PCL), 15 (PCL)**	X	OTHER (Specify) **PAPI-4R 33 (PCL), PAPI-4L 05 VASI-4L 15,23**
	X	MIRL **05,23**		

7. RUNWAY MARKINGS		8. RUNWAY VISUAL RANGE	
ALL WEATHER	**PIR-G 33,15**	APPROACH	
INSTRUMENT	**NPI-G 05,23**	ROLL OUT	

9. GLIDE SLOPE			
	G S ANGLE: **3.00**	ELEV RWY THRESHOLD:	**2260.0 R33**
	DISTANCE FROM RWY:	ELEV GS ANTENNA:	
		THRESHOLD CROSSING HEIGHT:	**57.50**

10. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	F T. FROM THRESHOLD
	X	ON CENTERLINE	F T. FROM CENTERLINE

11. WAIVERS OF STANDARDS	NUMBER OF WAIVERS ON FILE	DATES OF APPROVAL
	NONE	

PART C - REMARKS:

VGSI DATA RWY 33: 3.00/53

QUALITY CHECKED

PART D - PREPARED BY:	DATE:
DONALD E SMITH (MIKE MELSSEN)	**11/14/2012**
TITLE: **AERONAUTICAL INFORMATION SPECIALIST**	OFFICE: **AJV-352**

RADIO FIX AND HOLDING DATA RECORD

NAME: JOHNSTOWN VORTAC **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401900.22N/0785003.00W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

INFO ONLY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	JOHNSTOWN	JST	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	JST	VORTAC	050.00	230.00	R	1		4200	14000	7	10
2	SW	JST	VORTAC	221.88	041.88	R	1		4200	14000	7	10
3	NE	JST	VORTAC	050.00	230.00	R	1		4300	14000	13	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	WINDMILL (42-020840)	402007.07N/0784018.14W	2839	5E
2	230	WINDMILL (42-020076)	400646.12N/0785114.44W	3073	5E
3	310	WINDMILL (42-003511)	402230.90N/0783415.16W	3216	5E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	ILS OR LOC/DME RWY 33	KJST	JOHNSTOWN	PA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
ESV ON FILE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WILTT			KAOO	ALTOONA	PA (US)
DP	JENER			KJST	JOHNSTOWN	PA (US)
DP	LILLI			KJST	JOHNSTOWN	PA (US)
DP	HOMEE			KLBE	LATROBE	PA (US)
DP	ALLEGHENY			KAGC	PITTSBURGH	PA (US)
DP	PITTSBURGH			KPIT	PITTSBURGH	PA (US)
EN ROUTE	J152					(US)
EN ROUTE	J211					(US)
EN ROUTE	V106					(US)
EN ROUTE	V12					(US)
EN ROUTE	V297					(US)
EN ROUTE	V35					(US)
EN ROUTE	V469					(US)
IAP	ILS OR LOC RWY 21			KAOO	ALTOONA	PA (US)
IAP	RNAV (GPS) RWY 3			KAOO	ALTOONA	PA (US)
IAP	RNAV (GPS) RWY 14			KHMZ	BEDFORD	PA (US)
IAP	ILS OR LOC RWY 08			KBTP	BUTLER	PA (US)
IAP	RNAV (GPS) RWY 07			K9G8	EBENSBURG	PA (US)
IAP	RNAV (GPS) RWY 25			K9G8	EBENSBURG	PA (US)
IAP	VOR-A			K9G8	EBENSBURG	PA (US)
IAP	LOC RWY 28			KIDI	INDIANA	PA (US)
IAP	ILS OR LOC/DME RWY 33		3	KJST	JOHNSTOWN	PA (US)
IAP	VOR RWY 05		2	KJST	JOHNSTOWN	PA (US)
IAP	VOR RWY 15		1	KJST	JOHNSTOWN	PA (US)
IAP	VOR RWY 23		1	KJST	JOHNSTOWN	PA (US)
IAP	VOR/DME OR TACAN RWY 15			KJST	JOHNSTOWN	PA (US)
IAP	VOR/DME OR TACAN RWY 23			KJST	JOHNSTOWN	PA (US)
IAP	ILS OR LOC RWY 23			KLBE	LATROBE	PA (US)
IAP	NDB RWY 23			KLBE	LATROBE	PA (US)
IAP	RNAV (GPS) RWY 23			KLBE	LATROBE	PA (US)
IAP	LOC/NDB RWY 25			K2G9	SOMERSET	PA (US)
IAP	NDB RWY 25			K2G9	SOMERSET	PA (US)
IAP	RNAV (GPS) RWY 25			K2G9	SOMERSET	PA (US)
STAR	LLEEO			CYQG	ONTARIO, CANADA	(CA)
STAR	LLEEO			KARB	ANN ARBOR	MI (US)
STAR	LLEEO			KDET	DETROIT	MI (US)
STAR	LLEEO			KYIP	DETROIT	MI (US)
STAR	LLEEO			KOZW	HOWELL	MI (US)
STAR	LLEEO			KMTC	MOUNT CLEMENS	MI (US)
STAR	LLEEO			KY47	NEW HUDSON	MI (US)
STAR	LLEEO			K1D2	PLYMOUTH	MI (US)
STAR	LLEEO			KPTK	PONTIAC	MI (US)

QUALITY 1 CHECKED

STAR	LLEEO	KVLL	TROY	MI (US)
STAR	NESTO	KFWQ	MONONGAHELA	PA (US)
STAR	BOJID	KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	KPHL	PHILADELPHIA	PA (US)
STAR	NESTO	KAGC	PITTSBURGH	PA (US)
STAR	NESTO	KPIT	PITTSBURGH	PA (US)
STAR	NESTO	KAFJ	WASHINGTON	PA (US)
STAR	NESTO	KHLG	WHEELING	WV (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
CHANGED PATS 1 AND 2 MIN/MAX HOLDING TEMPLATES FROM 5/11 TO 7/10.
CHANGED PAT 1 CONTROLLING OBSTACLE FROM 2739 MSL AAO 401612.00N/0784515.00W.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/24/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

APPROVED BY: **DATE:** 10/15/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZOB
ATC FACILITY: JST ATCT
OTHER:

QUALITY CHECKED 1

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: JOHNSTOWN

STATE: PA

AIRPORT NAME: JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY

ID: KJST

PROCEDURE: **RADAR**

AMDT: **ORIG**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **4.97**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.29**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **324.15**
4. High Terrain in **FINAL** segment containing 1000' point **2858**
5. Distance from **THLD** to 1500' point **6.62**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.65**
7. True Course of **FINAL** segment containing 1500' point **324.15**
8. High Terrain in **FINAL** segment containing 1500' point **2858**
9. Threshold Coordinates (if straight-in) ... **401829.09N** / **0784938.99W**
10. ARP Coordinates ..... **401856.00N** / **0785004.78W**
11. Runway Approach End and distance furthest from ARP.....RWY **15**
    Distance **0.60** NM
12. FAF Coordinates ..... **401247.17N** / **0784416.85W**
    (Click to Select)

REMARKS: Approach/Drawing attached.