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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WISKE (IAF)	HYETO (FB)	067.27 / 25.71	3000
HYETO (IF)	SHANS (FB)	098.73 / 6.50	3000
SHANS (FAF)	WOLES/2.50 NM TO RW10 (FB)	098.82 / 2.84	
WOLES/2.50 NM TO RW10	RW10 (MAP) (FO)	098.86 / 2.50	
RW10 (MAP)	1450 MSL	098.86	
1450 MSL	LENLE (FB)		
LENLE	NESTO (FO)	165.77/10.43	3100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

CLIMB TO 3100 DIRECT LENLE AND ON TRACK 165.77 TO NESTO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 318.01 INBOUND.
CHART FAS OBST: 1342 TOWER 402057N/0795637W
DISTANCE TO THLD FROM 200 HATH: 0.48 NM.
CHART VDP AT 1.14 MILES TO RW10*
*LNAV ONLY.
WAAS CHANNEL # 97325
REFERENCE PATH ID: W10A
LTP HAE: 347.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HYETO
3. FAC: 098.82 FAF: SHANS DIST FAF TO MAP: 5.35 THLD: 5.35
4. MIN. ALT: HYETO 3000, SHANS 3000, WOLES/2.50 NM TO RW10 2080*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: SHANS 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 47.4 34:1 IS CLEAR
8. MSA FROM: RW10 3800

MAG VAR: 9W EPOCH YEAR: 2000

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	1450	3/4	200	1450	3/4	200	1450	3/4	200	1450	3/4	200			
LNAV/VNAV DA	1553	1	303	1553	1	303	1553	1	303	1553	1	303			
LNAV MDA	1660	1	410	1660	1	410	1660	1 1/8	410	1660	1 1/8	410			
CIRCLING	1740	1	488	1740	1	488	1740	1 1/2	488	1820	2	568			

NOTES:
CHART NOTE: CIRCLING TO RWY 13 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 36C (96F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PITTSBURGH, PA	AIRPORT NAME: ALLEGHENY COUNTY	RNAV	RNAV (GPS) RWY 10, AMDT 4	AMDT: 3
				DATED 09/01/2005

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] ZOB, PIT APP CON, AGC ATCT, AIRPORT MANAGER

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: KELLY DEAN	FIFO AJV-352	DATE: 04/06/2012
APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. WISKE INITIAL CHANGED TO PROCEED TO IF (HYETO); ALTITUDE LOWERED FROM 3500 TO 3000.
2. PUGIY INTERMEDIATE SEGMENT REMOVED.
3. INTERMEDIATE SEGMENT DISTANCE CHANGED FROM 5.1 TO 6.5.
4. MISSED APPROACH CLIMBS DIRECT LENLE INSTEAD OF CIGRA, THEN TRACK 166 TO NESTO.
5. PROFILE STARTS AT HYETO INSTEAD OF PUGIY.
6. FAF TO MAP/THLD CHANGED FROM 5.27 TO 5.35.
7. LPV DA/HAT LOWERED FROM 1501/250 TO 1450/200.
8. VNAV DA/HAT LOWERED FROM 1642/391 TO 1553/303.
9. VNAV ALL CATS VISIBILITY LOWERE FROM 1 1/4 TO 1.
10. LNAV HAT CHANGED FROM 409 TO 410.
11. LNAV CATS C/D VISIBILITY LOWERED FROM 1 1/4 TO 1 1/8.
12. UPDATED BARO-VNAV NA NOTE.
13. ADDED CIRCLING TO RWY 13 NA AT NIGHT NOTE.
14. REMOVED PROFILE AND PLANVIEW NOTE "3000 WHEN AUTHORIZED BY ATC" .

REASONS:

1., 2., 3., 5. IF (HYETO) MOVED TO ALLOW FOR 6NM INTERMEDIATE LENGTH ON THE ILS OR LOC RWY 10 PROCEDURE; MOVING HYETO WOULD NOT ALLOW FOR TURN AT PUGIY DUE TO DTA AND FIX ERROR.
4. COMBINE FIXES TO REDUCE CLUTTER.
6. FAF MOVED 494FT WEST AND IF MOVE 1.52NM WEST.
7. 200 HAT AUTHORIZED BY CRITERIA, THRE UTILIZED INSTEAD OF TDZE.
8. CONTROLLING OBSTACLE, SLOPE CHANGED FROM 23.4:1 TO 34:1 TO MEET .54 CRITERIA.
9. CORRESPOND WITH LOWERING DA.
10. THRE UTILIZED INSTEAD OF TDZE.
11. TERPS CHANGE 21 VISI TABLE APPLIED.
12. CURRENT NOTE FORMAT APPLIED.
13. 20:1 PENETRATION TO RWY 13.
14. PER ATC, LOWERED SEGMENT TO CURRENT MVA (3000).

QUALITY 2 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAGC
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	402115.4240N
LTP/FTP LONGITUDE	0795627.9595W
LTP/FTP ELLIPSOIDAL HEIGHT	+03473
FPAP LATITUDE	402115.5600N
FPAP LONGITUDE	0795431.4100W
THRESHOLD CROSSING HEIGHT (TCH)	00047.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	51FA721E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03808
FPAP ORTHOMETRIC HEIGHT	+03808

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PITTSBURGH, PA	AIRPORT NAME: ALLEGHENY COUNTY	RNAV	RNAV (GPS) RWY 10, AMDT 4	AMDT: 3
				DATED: 09/01/2005

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

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:

QUALITY 2 CHECKED

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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HYETO K60    C     N40211314W080115797                    W0091     NAR           HYETO
        SUSAEAENRT   LENLE K60    W     N40211576W079481168                    W0093     NAR           LENLE
        SUSAEAENRT   NESTO K60    C   L N40114005W079424949                    W0094     NAR           NESTO
        SUSAEAENRT   SHANS K60    C     N40211465W080032767                    W0092     NAR           SHANS
        SUSAEAENRT   WISKE K60    C   L N40074489W080403394                    W0087     NAR           WISKE
        SUSAEAENRT   WOLES K60    W     N40211511W079594455                    W0092     NAR           WOLES

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6AAGC     0     065YHN40211585W079554861W009001252         1800018000C    MNAR    ALLEGHENY COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6FR10   AWISKE 010WISKEK6EA0E  A    IF                                          18000                A JS
        SUSAP KAGCK6FR10   AWISKE 020HYETOK6EA0EE B 010TF                    06730257    + 03000                      A JS
        SUSAP KAGCK6FR10   R      010HYETOK6EA0E  I    IF                                + 03000     18000            A JS
        SUSAP KAGCK6FR10   R      020SHANSK6EA1E  F 051TF                    09870065    + 03000                RW10  K6PGA JS
        SUSAP KAGCK6FR10   R      020SHANSK6EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KAGCK6FR10   R      021WOLESK6EA0E S  031TF                    09880028    V 0208002095        -300     A JS
        SUSAP KAGCK6FR10   R      030RW10 K6PG0GY M 031TF                    09890025      01297             -300     A JS
        SUSAP KAGCK6FR10   R      040         0  M     CA                    0989        + 01450                      A JS
        SUSAP KAGCK6FR10   R      050LENLEK6EA0E       DF                                                             A JS
        SUSAP KAGCK6FR10   R      060NESTOK6EA0EY   010TF                    1658        + 03100                      A JS
        SUSAP KAGCK6FR10   R      070NESTOK6EA0EE  R   HM                    31800040    + 03100                      A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6GRW10    0065010989 N40211542W079562796+0000    +0347301250000047150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6PR10   RW10 001 0000W10A0N4021154240W07956279595+034730300N4021155600W079543141001067507680004 74F50035051FA721E
        SUSAP KAGCK6PR10   RW10 002E      +03808+03808LPV       97325

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PITTSBURGH, PA	AIRPORT NAME: ALLEGHENY COUNTY	RNAV	RNAV (GPS) RWY 10, AMDT 4	AMDT: 3
				DATED: 09/01/2005

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

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```
SUSAP KAGCK6SRW10 K6PG          0   18018003825                                    M
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PITTSBURGH, PA	AIRPORT NAME: ALLEGHENY COUNTY	RNAV	RNAV (GPS) RWY 10, AMDT 4	AMDT: 3
				DATED: 09/01/2005

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

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
	WISKE	WISKE	010	IAF	IF		FB					
	WISKE	HYETO	020		TF		FB	1.0	067.3(058.3T)	025.7	AA 03000	
		HYETO	010	FACF	IF		FB				AA 03000	
		SHANS	020	FAF	TF		FB	0.5	098.7(089.7T)	006.5	AA 03000	
		WOLES	021	SDF	TF		FB	0.3	098.8(089.8T)	002.8	AA 02080 GS 02095	
		RW10	030	MAP	TF		FO	0.3	098.9(089.9T)	002.5	AT 01297	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		098.9(089.9T)		AA 01450	
	LENLE	050		DF		FB					
	NESTO	060		TF		FO	1.0	165.8(156.8T)		AA 03100	
	NESTO	070		HM	R	FO		318.0(309.0T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HYETO	N402113.14	W0801157.97	N4021.219	W08011.966
	LENLE	N402115.76	W0794811.68	N4021.263	W07948.195
	NESTO	N401140.05	W0794249.49	N4011.668	W07942.825
	SHANS	N402114.65	W0800327.67	N4021.244	W08003.461
	WISKE	N400744.89	W0804033.94	N4007.748	W08040.566
	WOLES	N402115.11	W0795944.55	N4021.252	W07959.743
	RW10	N402115.42	W0795627.96	N4021.257	W07956.466

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	01250	47

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PITTSBURGH, PA	AIRPORT NAME: **ALLEGHENY COUNTY**	**RNAV**	**RNAV (GPS) RWY 10, AMDT 4**	AMDT: **3**
				DATED: **09/01/2005**

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

COORDINATED WITH:

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

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	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.
INITIAL	WISKE	HYETO	1. TOWER (42-002035)	401752.50N/0802020.48W	1756 (1A)	1000		2800
			2. TERRAIN	401754.00N/0802021.00W	1456 (1500)		AS1500	3000
INTERMEDIATE	HYETO	SHANS	3. TOWER (42-001867)	402303.62N/0801047.51W	1537 (2C)	500	AT963	3000
			4. TERRAIN	402303.62N/0801047.51W	1318 (1300)		AS1500	2800
FINAL: LPV	SHANS	RW10				ASC		1450/200
FINAL: LNAV/VNAV	SHANS	RW10	5. TOWER (42-001041)	402057.10N/0795637.00W	1342 (1D)	PDA	AC50	1553/303
FINAL: LNAV	SHANS	WOLES/2.50 NM TO RW10	6. AAO	402043.31N/0800150.71W	1519 (2C)	250	DG311	2080
FINAL: LNAV STEPDOWN	WOLES/2.50 NM TO RW10	RW10	5. TOWER (42-001041)	402057.10N/0795637.00W	1342 (1D)	250	AC50	1660
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW10	NESTO				ASC		3100
			7. TOWER (42-000082)	401649.00N/0794810.00W	2049 (4D)	1000	AC50	3100
ELEV:	1285/1392/1560		8. TERRAIN	402221.00N/0794645.00W	1310 (1300)		AS1500	2800
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.						
CATEGORY A	1.3 NM	REQUIRED 350 / ACTUAL 488	9. TANK (42-001113)	402202.00N/0795521.00W	1405 (1B)	300	XP35	1740
CATEGORY B	1.5 NM	REQUIRED 450 / ACTUAL 488	9. TANK (42-001113)	402202.00N/0795521.00W	1405 (1B)	300	XP35	1740
CATEGORY C	1.7 NM	REQUIRED 450 / ACTUAL 488	9. TANK (42-001113)	402202.00N/0795521.00W	1405 (1B)	300	XP35	1740
CATEGORY D	2.3 NM	REQUIRED 550 / ACTUAL 568	9. TANK (42-001113)	402202.00N/0795521.00W	1405 (1B)	300	HAA	1820
CATEGORY E	4.5 NM	REQUIRED 550 / ACTUAL						

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW10

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (42-001943)	142/ 28.0	2724 (1A)	3800					

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PITTSBURGH, PA	ELEVATION: 1252 AIRPORT NAME: ALLEGHENY COUNTY	RNAV	RNAV (GPS) RWY 10, AMDT 4	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
PIT APP CON AGC TOWER	N W S / F A A / A / C — OTHER: ASOS	SOURCE: KAGC DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON: X V H F, X U H F, H F	LOCATION: KAGC	ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 28
	X	HIRL 31, 10, 28, 13
		MIRL
	X	REIL 31, 10, 13
		TDZ
		C/LINE
	X	OTHER (SPECIFY) VASI-4L 10
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 10, 28
	INSTRUMENT	NPI-G 31, 13
7. RUNWAY VISUAL RANGE	APPROACH	28
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 1249.5
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 47.4
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: KELLY DEAN	DATE: 04/06/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/47

SEE ATTACHED AIRSPACE LETTER.

TAA NOT DEVELOPED PER FPT AND ATC.

RWY 13 (20:1) PENETRATION:
1249 SIGN (KAGC0047) 402128.61N/0795604.87W

BACK/UP ALTIMETER SOURCE NOT DEVELOPED DUE TO REDUNDANT

WEATHER SOURCES ON FIELD. PER BROOKS TICKEL, 24 HR TOWER EQUIPPED WITH WX REPORTING AND CERTIFIED CONTROLLERS.

VNAV STANDARD DEVIATION (-30) UTILIZED DUE TO NO HISTORICAL DATA AVAILABLE AT TIME OF DEVELOPMENT.

XP - MAINTAIN EXISTING MINIMUMS AS PUBLISHED ON ALL APPROACHES

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HYETO **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 402113.14N/0801157.97W **TYPE:** WP, INT

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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	PITTSBURGH	I-SAQ	LOC		278.90	269.90		12.98		3000	5700
2	MONTOUR	MMJ	VORTAC	L	189.81	181.81		8.07		3000	5700

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

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	W	I-SAQ	LOC	278.90	098.90	R	1		3000	5700	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (42-002035)	401752.50N/0802020.48W	1756	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PITTSBURGH (FAC 1) AND MONTOUR (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10	1, 2	1	KAGC	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 10			KAGC	PITTSBURGH	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 1.52NM WEST ON LOCALIZER COURSE; FIX NAME RETAINED FOR ATC OPERATIONAL NEEDS.
FAC 2 BRG CHANGED FROM 179.04/171.04 TO 189.81/181.81.
ADDED DIST FROM FAC VALUES TO FAC 1 AND FAC 2.
DELETE FAC 3.
UPDATED FIX USE AND REMARKS.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZOB
ATC FACILITY: PIT APP CON
OTHER: ATCT

QUALITY CHECKED 2

RADIO FIX AND HOLDING DATA RECORD

NAME: LENLE **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 402115.76N/0794811.68W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10			KAGC	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 28			KAGC	PITTSBURGH	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
DELETED FAC 1.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZOB
ATC FACILITY: PIT APP CON,
OTHER: ATCT

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NESTO **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401140.05N/0794249.49W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	MORGANTOWN	MGW	VORTAC	L	015.00	010.00		38.83		4000	17500
2	JOHNSTOWN	JST	VORTAC	L	266.00	260.00		41.06		4000	17500
3	INDIAN HEAD	IHD	VORTAC	L	315.01	309.01	21.03	21.03		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
JST	VORTAC	R-266	42	4000	23000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	IHD	VORTAC	315.01	315.01	R	1-1 1/2		4000	17500	6	18
2	SE		WP	138.01	318.01	R		4	3100	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (42-000354)	400543.08N/0794123.30W	1934	1A
2	200	AAO	400706.30N/0794040.00W	1723	6A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-469	1, 2, 3				(US)
EN ROUTE	V268-474	1, 2, 3	1			(US)
IAP	RNAV (GPS) RWY 5			KLBE	LATROBE	PA (US)
IAP	RNAV (GPS) RWY 10		2	KAGC	PITTSBURGH	PA (US)
IAP	VOR-A	1, 2, 3		KAGC	PITTSBURGH	PA (US)
IAP	ILS RWY 10L	1, 2, 3		KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 10L (CAT II)	1, 2, 3		KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 10L (CAT III)	1, 2, 3		KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) Y RWY 28C			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) Y RWY 28L			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) Y RWY 28R			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) Y RWY 32			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (RNP) Z RWY 28C			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (RNP) Z RWY 28L			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (RNP) Z RWY 28R			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (RNP) Z RWY 32			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 27			KAFJ	WASHINGTON	PA (US)
STAR	NESTO	1, 2, 3		KFWQ	MONONGAHELA	PA (US)
STAR	NESTO	1, 2, 3		KAGC	PITTSBURGH	PA (US)
STAR	DEMME RNAV			KPIT	PITTSBURGH	PA (US)
STAR	NESTO	1, 2, 3		KPIT	PITTSBURGH	PA (US)
STAR	DEMME RNAV			KAFJ	WASHINGTON	PA (US)
STAR	NESTO	1, 2, 3		KAFJ	WASHINGTON	PA (US)
STAR	NESTO	1, 2, 3		KHLG	WHEELING	WV (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED HOLDING PATTERN 2 OBSTACLE; MSL CHANGED FROM 1934 TO 1723.

DEVELOPED BY: **DATE:** 05/04/2012 **OFFICE:** AJV-352 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

QUALITY 2 CHECKED

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZOB
ATC FACILITY: PIT APP CON; LBE
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHANS **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 402114.65N/0800327.67W **TYPE:** WP, INT

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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	PITTSBURGH	I-SAQ	LOC		278.90	269.90		6.48	39343	3000	5700
2	MONTOUR	MMJ	VORTAC	L	150.14	142.14		10.18		3000	5700

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
MONTOUR (FAC 2) AND PITTSBURGH (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10	1, 2		KAGC	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 10			KAGC	PITTSBURGH	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 494FT WEST ON LOCALIZER COURSE.
FAC 2 BRG CHANGED FROM 149.77/141/77 TO 150.14/142.14.
ADDED DIST FROM FAC VALUES TO FAC 1 AND FAC 2.
DELETED FAC 3.
UPDATED FIX USE AND REMARKS.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZOB
ATC FACILITY: PIT APP CON
OTHER: ATCT

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOLES **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 402115.11N/0795944.55W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10			KAGC	PITTSBURGH	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
DELETED FAC 1 AND FAC 1 REMARK.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: PIT APP CON
OTHER: ATCT

QUALITY 2 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: WISKE **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 400744.89N/0804033.94W **TYPE:** WP, INT, DME

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

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	BELLAIRE	AIR	VOR/DME	H	051.00	044.00	9.35	9.35		3300	18000
2	NEWCOMERSTOWN	CTW	VOR/DME	L	106.00	099.00		37.29		3300	18000

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	SW	AIR	VOR/DME	051.00	051.00	L	1-1 1/2		3300	17500	6	18
2	SW		WP	231.00	051.00	L		4	3100	14000	5	11
3	SW		WP	233.82	053.82	L		10	3100	17500	7	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000899)	400340.00N/0804508.00W	2025	2C
2	200	TOWER (39-000899)	400340.00N/0804508.00W	2025	2C
3	200	TOWER (39-000899)	400340.00N/0804508.00W	2025	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ZOB REQUESTED LEFT TURNS DUE TO OBSTACLE DEPT ROUTES FROM KPIT
PAT 3 ATC REQUEST.

HOLDING RESTRICTIONS:
PAT 3 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V117	1, 2	1			(US)
EN ROUTE	V443	1, 2				(US)
IAP	RNAV (GPS) RWY 14		2	K2G2	STEUBENVILLE	OH (US)
IAP	RNAV (GPS) RWY 32		2	K2G2	STEUBENVILLE	OH (US)
IAP	RNAV (GPS) RWY 10			KAGC	PITTSBURGH	PA (US)
IAP	VOR-A	1, 2		KAGC	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 10L			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 14			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) Y RWY 10C			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) Y RWY 10R			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (RNP) Z RWY 10C			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (RNP) Z RWY 10R			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 9			KAFJ	WASHINGTON	PA (US)
IAP	VOR-B	1, 2		KAFJ	WASHINGTON	PA (US)
IAP	RNAV (GPS) RWY 24			KMPG	MOUNDSVILLE	WV (US)
IAP	RNAV (GPS) RWY 21			KHLG	WHEELING	WV (US)
IAP	VOR RWY 21	1, 2		KHLG	WHEELING	WV (US)
STAR	FEWGA RNAV		3	KPIT	PITTSBURGH	PA (US)
STAR	WISKE		1	KPIT	PITTSBURGH	PA (US)
STAR	FEWGA RNAV		3	KAFJ	WASHINGTON	PA (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 12/17/2009

REASON FOR REVISION:
ADD DISTANCE FROM FAC IN NM'S UNDER FIX MAKE-UP FACILITIES FOR FAC 1 & 2.
ADD PATTERN 3 FOR FEWGA RNAV STAR INTO KPIT.
UPDATE FIX USE.
REMOVED FAC 3 FROM FIX MAKE-UP FACILITIES.
ADDED PRECIPITOUS TERRAIN STATEMENT TO REMARKS.

DEVELOPED BY: **DATE:** 07/22/2009 **OFFICE:** AVN-110 **NAME:** CARLOS ESCALANTE

QUALITY 2 CHECKED

APPROVED BY: **DATE:** 11/04/2009 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZOB
ATC FACILITY: PIT
OTHER:

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **PITTSBURGH** STATE: **PA**

AIRPORT NAME: **ALLEGHENY COUNTY** ID: **KAGC**

PROCEDURE: **RNAV (GPS) RWY 10** AMDT: **4**

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 **3.15**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **89.82**
4. High Terrain in **FINAL** segment containing 1000' point **1319**
5. Distance from **THLD** to 1500' point **4.95**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.57**
7. True Course of **FINAL** segment containing 1500' point **89.82**
8. High Terrain in **FINAL** segment containing 1500' point **1319**
9. Threshold Coordinates (if straight-in) ... **402115.42N** / **0795627.96W**
10. ARP Coordinates ..... **402115.85N** / **0795548.61W**
11. Runway Approach End and distance furthest from ARP.....RWY **28**
    Distance **0.57** NM
12. FAF Coordinates ..... **402114.65N** / **0800327.67W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

CANCELLED

NAME: CIGRA **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 402115.71N/0795114.03W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

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	KAGC R10					089.90	4.00				17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ALLEGHENY COUNTY - RNAV (GPS) RWY 10			KAGC	PITTSBURGH	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/01/2005

REASON FOR REVISION:
1. UPDATED FIX USE

DEVELOPED BY: **DATE:** 04/05/2005 **OFFICE:** AVN-110 **NAME:** WILLIAM JOHNSON

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** JOHN PANNELL

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZNY
ATC FACILITY: AGC; PIT APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

CANCELLED

NAME: PUGIY **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 402113.01N/0801235.25W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	KAGC R10					269.90	12.32				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ALLEGHENY COUNTY - RNAV (GPS) RWY 10			KAGC	PITTSBURGH	PA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/01/2005

DEVELOPED BY: **DATE:** 04/05/2005 **OFFICE:** AVN-110 **NAME:** WILLIAM JOHNSON

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** JOHN PANNELL

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZOB
ATC FACILITY: PIT/AGC
OTHER:

QUALITY 2 CHECKED