US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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
MMJ VORTAC	HYETO INT	189.81 / 8.07	3000
HYETO INT (IF/IAF)	SHANS INT	098.90 / 6.50 (I-SAQ)	3000

MISSED APPROACH

ILS: DA
LOC: 5.35 MILES AFTER SHANS INT

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT AGC VOR/DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 279 AND MMJ VORTAC R-190 TO HYETO INT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 057.17 INBOUND.
FAS OBST: 1519 AAO 402043N/0800151W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W HYETO, RT, 098.90 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 098.90 FAF: SHANS INT DIST FAF TO MAP: 5.35 THLD: 5.35
4. MIN. ALT: HYETO INT 3000, SHANS INT 3000
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 901
6. MIN GS INCPT: 3000 GS ALT AT: SHANS 3000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 47.4
8. MSA FROM: AGC VOR/DME 090-180 3800, 180-090 3100

MAG VAR: 9W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ILS: STANDARD LOC: 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
S-ILS 10	1450	3/4	200	1450	3/4	200	1450	3/4	200	1450	3/4	200			
S-LOC 10	1780	1	530	1780	1	530	1780	1 1/2	530	1780	1 1/2	530			
CIRCLING	1780	1	528	1780	1	528	1780	1 1/2	528	1820	2	568			

NOTES:
CHART NOTE: CIRCLING TO RWY 13 NA AT NIGHT.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 10
PITTSBURGH, PA	ALLEGHENY COUNTY	I-SAQ	ILS OR LOC RWY 10, AMDT 6	AMDT: 5A
				DATED 06/10/2004

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: ROBERT STEPHEN PRESSLER	FIFO: FIOG	DATE: 06/26/2012

DEVELOPED BY		
NAME: KELLY DEAN	FIFO: AJV-352	DATE: 04/06/2012

APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO: AJV-352	DATE:

CHANGES:

1. FEEDER ROUTES COURSE/DISTANCE CHANGED.
2. INTERMEDIATE DISTANCE CHANGED.
3. DIST FROM FAF TO MAP/THLD CHANGED FROM 5.27 TO 5.35.
4. S-ILS 10 DA LOWERED 1 FOOT.
5. S-LOC 10 AND CIRCLING CATS A/B/C MDA RAISED FROM 1740 TO 1780.
6. ALTERNATE MISSED - MMJ RADIAL CHANGED FROM 179 TO 190.
7. ADDED CIRCLING TO RWY 13 NA AT NIGHT NOTE.
8. PROCEDURE NAME CHANGED FROM ILS RWY 10 TO ILS OR LOC RWY 10.
9. DELETED FEEDER ROUTE FROM AGC VOR/DME.

REASONS:

1., 6. IF/IAF (HYETO) MOVED 1.52NM WEST.
2., 3. FAF (SHANS) MOVED 494FT WEST.
4. THRE UTILIZED FOR HATH INSTEAD OF TDZE FOR HAT.
5. CONTROLLING OBSTACLE AND STRAIGHT IN ADJUSTMENT.
7. 20:1 PENETRATION TO RWY 13.
8. NAMING CONVENTION.
9. FLT CK FAILED R-311 ON TERMINAL ROUTE.

07/11/2012 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/06/2012
DELETED FEEDER FROM AGC VOR/DME TO HYETO.

QUALITY 1 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        AGC   K6011000VDLA N40164315W080022709    N40164315W080022709W0090012891     NARALLEGHENY
        SUSAD        MMJ   K6011200VTL  N40291735W080113794    N40291735W080113794W0080012001     NARMONTOUR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HYETO K60    C     N40211314W080115797                      W0091     NAR           HYETO
        SUSAEAENRT   SHANS K60    C     N40211465W080032767                      W0092     NAR           SHANS

                 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 KAGCK6FI10   AMMJ   010MMJ  K6D 0V       IF                                                18000                 0 NS
        SUSAP KAGCK6FI10   AMMJ   020HYETOK6EA0EY      TF                                          + 03000                     0 NS
        SUSAP KAGCK6FI10   AMMJ   030HYETOK6EA0EE AR   HF AGC K6      310800860989T010D   + 03000                     0 NS
        SUSAP KAGCK6FI10   I      010HYETOK6EA0E  I    IF ISAQK6      27890130        PI  J 030000300018000           0 NS
        SUSAP KAGCK6FI10   I      020SHANSK6EA0E  F    CF ISAQK6      2789006509900065PI  H 0300003000        -300AGC   K6D 0 NS
        SUSAP KAGCK6FI10   I      030RW10 K6PG0GY M    CF ISAQK6      2789001109900054PI    01297             -300        0 NS
        SUSAP KAGCK6FI10   I      040         0  M     CA                      0989        + 02000                     0 NS
        SUSAP KAGCK6FI10   I      050AGC  K6D 0VY  R   DF                                  + 03000                     0 NS
        SUSAP KAGCK6FI10   I      060AGC  K6D 0VE  R   HM                      0572T010    + 03000                     0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6GRW10    0065010989 N40211542W079562796+0000    +0347301250000047150IISAQ1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6IISAQ1   010910RW10 N40211553W0795459490989N40211345W0795616320349 09010585300W00904701249

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6SAGC  K6D                 0   2703600382536027003125                                                                M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS RWY 10
PITTSBURGH, PA	AIRPORT NAME: ALLEGHENY COUNTY	I-SAQ	ILS OR LOC RWY 10, AMDT 6	AMDT: 5A
				DATED: 06/10/2004

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:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MMJ	MMJ	010		IF		FB					
	MMJ	HYETO	020		TF		FO				AA 03000	
	MMJ	HYETO	030	IAF	HF	R	FO		098.9()	T01.0	AA 03000	
		HYETO	010	FACF	IF		FB				AA 03000 GI 03000	
		SHANS	020	FAF	CF		FB		099.0()	006.5	GI 03000 GS 03000	
		RW10	030	MAP	CF		FO		099.0()	005.4	AT 01297	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		098.9()		AA 02000	
	AGC	050		DF	R	FO				AA 03000	
	AGC	060		HM	R	FO		057.2()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGC	N401643.15	W0800227.09	N4016.719	W08002.452
	MMJ	N402917.35	W0801137.94	N4029.289	W08011.632
	HYETO	N402113.14	W0801157.97	N4021.219	W08011.966
	SHANS	N402114.65	W0800327.67	N4021.244	W08003.461
	RW10	N402115.42	W0795627.96	N4021.257	W07956.466
	ISAQ (LOC)	N402115.53	W0795459.49	N4021.259	W07954.992

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	01250	47

QUALITY CHECK

CITY AND STATE	ELEVATION: 1252	THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS RWY 10
PITTSBURGH, PA	AIRPORT NAME: ALLEGHENY COUNTY		I-SAQ	ILS OR LOC RWY 10, AMDT 6	AMDT: 5A
					DATED: 06/10/2004

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:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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```
ARINC PACKET - 424-18 - LOC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        AGC   K6011000VDLA N40164315W080022709    N40164315W080022709W0090012891     NARALLEGHENY
        SUSAD        MMJ   K6011200VTL  N40291735W080113794    N40291735W080113794W0080012001     NARMONTOUR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HYETO K60    C     N40211314W080115797                      W0091     NAR           HYETO
        SUSAEAENRT   SHANS K60    C     N40211465W080032767                      W0092     NAR           SHANS

                 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 KAGCK6FL10   AMMJ   010MMJ  K6D 0V       IF                                                18000                 0 NS
        SUSAP KAGCK6FL10   AMMJ   020HYETOK6EA0EY      TF                                        + 03000                       0 NS
        SUSAP KAGCK6FL10   AMMJ   030HYETOK6EA0EE AR   HF AGC K6      310800860989T010D   + 03000                       0 NS
        SUSAP KAGCK6FL10   L      010HYETOK6EA0E  I    IF ISAQK6      27890130        PI  + 03000     18000                 0 NS
        SUSAP KAGCK6FL10   L      020SHANSK6EA0E  F    CF ISAQK6      2789006509900065PI  + 03000                 AGC   K6D 0 NS
        SUSAP KAGCK6FL10   L      030RW10 K6PG0GY M    CF ISAQK6      2789001109900054PI    01297            -300          0 NS
        SUSAP KAGCK6FL10   L      040         0  M     CA                      0989        + 02000                       0 NS
        SUSAP KAGCK6FL10   L      050AGC  K6D 0VY  R   DF                                  + 03000                       0 NS
        SUSAP KAGCK6FL10   L      060AGC  K6D 0VE  R   HM                      0572T010    + 03000                       0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6GRW10    0065010989 N40211542W079562796+0000    +0347301250000047150IISAQ1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6IISAQ1   010910RW10 N40211553W0795459490989N40211345W0795616320349 09010585300W00904701249

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGCK6SAGC  K6D                 0   2703600382536027003125                                                                M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS RWY 10
PITTSBURGH, PA	AIRPORT NAME: ALLEGHENY COUNTY	I-SAQ	ILS OR LOC RWY 10, AMDT 6	AMDT: 5A
				DATED: 06/10/2004

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:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MMJ	MMJ	010		IF		FB					
	MMJ	HYETO	020		TF		FO				AA 03000	
	MMJ	HYETO	030	IAF	HF	R	FO		098.9()	T01.0	AA 03000	
		HYETO	010	FACF	IF		FB				AA 03000	
		SHANS	020	FAF	CF		FB		099.0()	006.5	AA 03000	
		RW10	030	MAP	CF		FO		099.0()	005.4	AT 01297	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		098.9()		AA 02000	
	AGC	050		DF	R	FO				AA 03000	
	AGC	060		HM	R	FO		057.2()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGC	N401643.15	W0800227.09	N4016.719	W08002.452
	MMJ	N402917.35	W0801137.94	N4029.289	W08011.632
	HYETO	N402113.14	W0801157.97	N4021.219	W08011.966
	SHANS	N402114.65	W0800327.67	N4021.244	W08003.461
	RW10	N402115.42	W0795627.96	N4021.257	W07956.466
	ISAQ (LOC)	N402115.53	W0795459.49	N4021.259	W07954.992

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	01250	47

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1252 THRE: 1250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS RWY 10
PITTSBURGH, PA	AIRPORT NAME: **ALLEGHENY COUNTY**	**I-SAQ**	**ILS OR LOC RWY 10, AMDT 6**	AMDT: **5A**
				DATED: **06/10/2004**

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:	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.
FEEDER	MMJ VORTAC	HYETO INT	3. TOWER (42-001979)	402117.59N/0801359.69W	1687 (1A)	1000	AT313	3000
			4. TERRAIN	402117.59N/0801359.69W	1366 (1400)		AS1500	2900
INTERMEDIATE	HYETO INT	SHANS INT	5. AAO	401804.28N/0801126.52W	1599 (2C)	500	AT901	3000
	(IF/IAF)		2. TERRAIN	401804.28N/0801126.52W	1399 (1400)		AS1500	2900
FINAL: ILS	SHANS INT	RW10				ASC		1450/200
FINAL: LOC	SHANS INT	5.35 MILES AFTER	6. AAO	402043.31N/0800150.71W	1519 (2C)	250		1780
		SHANS INT						
2. HOLD-IN-LIEU-OF-PT	HYETO	P-4	7. TOWER (42-002035)	401752.50N/0802020.48W	1756 (1A)	1000		2800
			8. TERRAIN	401754.00N/0802021.00W	1457 (1500)		AS1500	3000
3. MISSED APPROACH MAP:	DA / 5.35 MILES	AGC VOR/DME				ASC		3000
	AFTER SHANS INT		9. TOWER (42-001899)	401859.00N/0795242.00W	1671 (5E)	1000	AC125	2800
ELEV:	1285/1530		10. TERRAIN	402043.31N/0800150.71W	1319 (1300)		AS1500	2800

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	528	13. TANK (42-001113)	402202.00N/0795521.00W	1405 (1B)	300	SI	1780
CATEGORY B	1.5 NM	450	528	13. TANK (42-001113)	402202.00N/0795521.00W	1405 (1B)	300	SI	1780
CATEGORY C	1.7 NM	450	528	13. TANK (42-001113)	402202.00N/0795521.00W	1405 (1B)	300	SI	1780
CATEGORY D	2.3 NM	550	568	13. TANK (42-001113)	402202.00N/0795521.00W	1405 (1B)	300	HAA	1820
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: AGC VOR/DME

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
090-180	TWR (42-001943)	129/ 29.0	2724 (1A)	3800					
180-090	TWR (42-001872)	065/ 27.9	2052 (5D)	3100					

QUALITY CHECKED

CITY AND STATE	AIRPORT	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PITTSBURGH, PA	ELEVATION: 1252 AIRPORT NAME: ALLEGHENY COUNTY	I-SAQ	ILS OR LOC RWY 10, AMDT 6	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZOB ARTCC AGC TOWER PIT APP CON	N W S / FAA / 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: I-SAQ		
	MONITOR POINT: KAGC ATCT		
	HRS OPTN:	CAT 1	24
		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: 901		ELEV GP ANTENNA: 1249.7
			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:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/47

SEE ATTACHED AIRSPACE LETTER.

OBST 1: TERPS PARA 1720 B(2) APPLIED FOR 1000 FT ROC.

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.

RWY 13 (20:1) PENETRATION:
1249 SIGN (KAGC0047) 402128.61N/0795604.87W (3.48)

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 3000
11. TOWER (42-001020) 402455.07N/0800217.74W 1717 (1A)
1000 2800
12. TERRAIN 401530.00N/0801103.00W 1418 (1400) AS1500
2900

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ALLEGHENY VOR/DME **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 401643.15N/0800227.09W **TYPE:**

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	ALLEGHENY	AGC	VOR/DME	L							17500

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	SW	AGC	VOR/DME	237.17	057.17	R	1		3000	14000	4	10
2	SW	AGC	VOR/DME	236.00	056.00	R	1		3000	6000	4	5
3	SE		WP	147.16	327.16	R		5	3000	6000	5	6
4	SE		WP	147.16	327.16	R		4	3000	6000	5	6
5	S	AGC	VOR/DME	174.00	354.00	R	1		3000	6000	4	5
6	NW	AGC	VOR/DME	310.00	130.00	R	1		4000	6000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (42-001020)	402455.07N/0800217.74W	1717	1A
1	200	TOWER (42-001967)	401017.00N/0800617.00W	1628	5E
2	200	TOWER (42-001967)	401017.00N/0800617.00W	1628	5E
3	200	TOWER (42-001656)	401706.10N/0800216.10W	1619	2C
4	200	TOWER (42-001656)	401706.10N/0800216.10W	1619	2C
5	200	TOWER (42-000770)	400816.00N/0795729.00W	1690	5E
6	200	TOWER (42-001656)	401706.10N/0800216.10W	1619	2C
6	265	TOWER (42-002035)	401752.50N/0802020.48W	1756	2A

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED BETWEEN 3000 AND 14000 ONLY.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HOMEE			KLBE	LATROBE	PA (US)
DP	ALLEGHENY			KAGC	PITTSBURGH	PA (US)
DP	PITTSBURGH			KPIT	PITTSBURGH	PA (US)
EN ROUTE	V12					(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	RNAV (GPS) RWY 26		4	KFWQ	MONONGAHELA	PA (US)
IAP	ILS OR LOC RWY 10		1	KAGC	PITTSBURGH	PA (US)
IAP	ILS OR LOC RWY 28		2	KAGC	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 28		3	KAGC	PITTSBURGH	PA (US)
IAP	VOR-A		2	KAGC	PITTSBURGH	PA (US)
IAP	ILS OR LOC RWY 28L		6	KPIT	PITTSBURGH	PA (US)
IAP	ILS OR LOC RWY 28R			KPIT	PITTSBURGH	PA (US)
IAP	ILS OR LOC RWY 32			KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 10L			KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 10L (CAT II)			KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 10L (CAT III)			KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 10R		5	KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 10R (CAT II)		5	KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 10R (CAT III)		5	KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 28L (CAT II)		6	KPIT	PITTSBURGH	PA (US)
IAP	ILS RWY 28R (CAT II)			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 10L			KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) RWY 14		3	KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) Y RWY 10C		3	KPIT	PITTSBURGH	PA (US)
IAP	RNAV (GPS) Y RWY 10R		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 (RNP) Z RWY 10C		3	KPIT	PITTSBURGH	PA (US)
IAP	RNAV (RNP) Z RWY 10R		3	KPIT	PITTSBURGH	PA (US)
IAP	ILS OR LOC RWY 27		1	KAFJ	WASHINGTON	PA (US)
STAR	NESTO			KPIT	PITTSBURGH	PA (US)
STAR	WISKE			KPIT	PITTSBURGH	PA (US)

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

QUALITY 2 CHECKED

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
1. UPDATED FAC 1 FROM HISTORICAL TO ACTIVE NAVAID.
2. UPDATDED FIX USE.

DEVELOPED BY:	**DATE:** 04/06/2012	**OFFICE:** AJV-352	**NAME:** DAVID SAUER
APPROVED BY:	**DATE:**	**OFFICE:** AJV-352	**NAME:** DARRYEL ADAMS
	SIGNATURE:		

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

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

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

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **ILS OR LOC RWY 10** AMDT: **6**

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 **0.90**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **89.90**
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 **1.29**
7. True Course of **FINAL** segment containing 1500' point **89.90**
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.