

# RADIO FIX AND HOLDING DATA RECORD

NAME: BOJID

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400320.87N/0751216.25W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
STAR  
STAR

USE TITLE  
BOJID (RNAV)  
SPUDS (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHL  
KPHL

CITY  
PHILADELPHIA  
PHILADELPHIA

STATE  
PA (US)  
PA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

**REASON FOR REVISION:**

DELETED FACILITY 1 FROM FIX MAKE-UP (HIFAL).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/04/2010

OFFICE: AVN-110

NAME: FRANK JACKSON

APPROVED BY:

DATE: 05/25/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: BOUHN

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 401009.12N/0762956.19W

TYPE: WP, 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 NM	FAC FEET	MRA	MAA
1	LANCASTER	LRP	VOR/DME	L	296.24	287.24	10.00	10.00		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V210	1				

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/05/2023

## REASON FOR REVISION:

FIX USE: REMOVED ALL OCCURRENCES OF BUNTS; REMOVED STAR BOJID AT PHL.  
REQUIRED CHARTING: REMOVED CONTROLLER AND STAR; ADDED CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: COLE NESBITT

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A430

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: BUNTS

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400456.01N/0754454.95W

TYPE: WP, INT, DME

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	FEET	MRA	MAA
1	LANCASTER	LRP	VOR/DME	L	104.00	095.00	25.09	25.09		2800	17500
2	MODENA	MXE	VORTAC	L	349.00	340.00		10.48		2800	17500
3	DUPONT	DQO	VORTAC	L	354.95	344.95	25.09	25.09		2800	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W	LRP	VOR/DME	104.00	104.00	L	1		3000	14000	7	11
2	W		WP	284.00	104.00	L		4	3000	14000	7	11

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	TOWER (42-001206)	400445.05N/0760043.70W	1485	5E
2	210	TOWER (42-001206)	400445.05N/0760043.70W	1485	5E

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC REQUEST

PAT 2 AIR TRAFFIC REQUEST

## HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PAT 2 CHART 210K ICON

## REMARKS:

LANCASTER (FAC 1) AND MODENA (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION PERFORMED

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V210	1, 3	1			(US)
IAP	RNAV (GPS)-A			KPTW	POTTSTOWN	PA (US)
STAR	BUNTS	1, 3	1	KILG	WILMINGTON	DE (US)
STAR	BUNTS	1, 3	1	KTTN	TRENTON	NJ (US)
STAR	HARRISBURG	1, 2		KWRI	WRIGHTSTOWN	NJ (US)
STAR	BUNTS	1, 3	1	KMQS	COATESVILLE	PA (US)
STAR	BOJD (RNAV)		2	KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1, 3	1	KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1, 3	1	KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/05/2023

## REASON FOR REVISION:

- FIX MAKE-UP FACILITIES: ADDED FAC 3 DUPONT (DQO).
- HOLDING: TEMPLATES MIN/MAX PAT 1 CHANGED FROM "5/11" TO "7/11"; PAT 2 CHANGED FROM "5/8" TO "7/11". PAT 2 RAD/CRS/BRG CHANGED FROM 104.00 TO 284.00.
- CONTROLLING OBSTRUCTIONS: PAT 1 AND PAT 2 CHANGED FROM "TOWER (42-000617)" TO "TOWER (42-001206)"
- REASON FOR NONSTANDARD HOLDING: ADDED "PAT 2 AIR TRAFFIC REQUEST".
- FIX USE: ADDED BUNTS STAR FOR KILG, KTTN, KMQS, AND KPNE. CHANGED FAC 2 TO FAC 3 FOR V210, AND ALL BUNTS OCCURRENCES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: COLE NESBITT

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A430

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: COFAX

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 401846.73N/0775800.98W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-31

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	JOHNSTOWN	JST	VOR/DME	L	096.04	090.04	39.80	39.80		5000	40000
2	PHILIPSBURG	PSB	VORTAC	H	188.13	178.13	36.19	36.19		4500	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
JST	VOR/DME	R-096	40	18000	40000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

JOHNSTOWN (FAC 1) AND PHILIPSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
ATC REQUEST SECTIONAL CHARTING.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J152	1				(US)
EN ROUTE	T477					(US)
EN ROUTE	V12	1, 2				(US)
EN ROUTE	V501	1, 2				(US)
IAP	LOC RWY 6	1, 2		KRVL	REEDSVILLE	PA (US)
IAP	RNAV (GPS) RWY 6			KRVL	REEDSVILLE	PA (US)
STAR	BUNTS	1, 2		KILG	WILMINGTON	DE (US)
STAR	BUNTS	1, 2		KTTN	TRENTON	NJ (US)
STAR	BUNTS	1, 2		KMQS	COATESVILLE	PA (US)
STAR	BOJID (RNAV)	1		KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1, 2		KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1, 2		KPNE	PHILADELPHIA	PA (US)

REQUIRED CHARTING: SECTIONAL, STAR, IAP, AREA, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 10/05/2023

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 21-AEA-31.  
FIX MAKE-UP FACILITIES: REMOVED FAC 2 (THS) - THS VOR MON. ADDED FAC 2 (PSB) - CURRENTLY CHARTED COURSE LINE FOR V501.  
CHANGED FAC 1 (JST) MAA FROM 45000 TO 40000.  
REMARKS: REPLACED ST THOMAS (FAC 2) WITH PHILIPSBURG (FAC 2) IN FIX COORDINATES REMARK. ADDED "ATC REQUEST SECTIONAL CHARTING."  
FIX USE: ADDED T477. ADDED PSB VORTAC (FAC 2) TO V12, V501 AND BUNTS STAR USAGE. ADDED BUNTS STAR AT KILG, KMQS, KPNE AND KTTN. ADDED FAC 2 TO KRVL LOC RWY 6  
REQUIRED CHARTING: ADDED SECTIONAL PER ATC REQUEST. ADDED "AREA"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: JADYNE SEITZ

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: EXPRS

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 395421.73N/0753026.94W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
STAR  
STAR

USE TITLE  
BOJID (RNAV)  
SPUDS (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHL  
KPHL

CITY  
PHILADELPHIA  
PHILADELPHIA

STATE  
PA (US)  
PA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

**REASON FOR REVISION:**

DELETED FACILITY 1 FROM FIX MAKE-UP (WHEYY).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/04/2010

OFFICE: AVN-110

NAME: FRANK JACKSON

APPROVED BY:

DATE: 05/25/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: EYRIE

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 395929.04N/0750501.32W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
STAR  
STAR

USE TITLE  
BOJID (RNAV)  
SPUDS (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHL  
KPHL

CITY  
PHILADELPHIA  
PHILADELPHIA

STATE  
PA (US)  
PA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

**REASON FOR REVISION:**

DELETED FACILITY 1 FROM FIX MAKE-UP (FERUS).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/04/2010

OFFICE: AVN-110

NAME: FRANK JACKSON

APPROVED BY:

DATE: 05/25/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: FERUS

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400255.30N/0744926.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
STAR  
STAR

USE TITLE  
BOJIS (RNAV)  
SPUDS (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHL  
KPHL

CITY  
PHILADELPHIA  
PHILADELPHIA

STATE  
PA (US)  
PA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

**REASON FOR REVISION:**

DELETED FACILITY 1 FROM FIX MAKE-UP (KPHL R27R).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/04/2010

OFFICE: AVN-110

NAME: FRANK JACKSON

APPROVED BY:

DATE: 05/25/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** HARRISBURG VORTAC      **STATE:** PA      **COUNTRY:** US      **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 401808.06N/0770410.41W      **TYPE:**

**AIRSPACE DOCKET:** 21-AEA-31      **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	HARRISBURG	HAR	VORTAC	L						45000

**FIX RESTRICTIONS:**

MCA V33 4600 SOUTHEAST BOUND  
MCA V265 3600 NORTHWEST BOUND  
MCA V184 3600 NORTHWEST BOUND  
MCA V33 3600 NORTHWEST BOUND  
MCA T452 3600 WESTBOUND

**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	W	HAR	VORTAC	281.19	101.19	R	1	3000 6000	4 5

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	401703.00N/0771418.00W	1831	4E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

SECTIONAL PER ATC REQUEST  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 10W (1985).

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J152					(US)
EN ROUTE	T291					(US)
EN ROUTE	T299					(US)
EN ROUTE	T445					(US)
EN ROUTE	T452					(US)
EN ROUTE	V12					(US)
EN ROUTE	V162					(US)
EN ROUTE	V184					(US)
EN ROUTE	V210					(US)
EN ROUTE	V265					(US)
EN ROUTE	V33					(US)
EN ROUTE	V377					(US)
EN ROUTE	V469					(US)
IAP	VOR/DME - B			N68	CHAMBERSBURG	PA (US)
IAP	ILS OR LOC RWY 8			KCXY	HARRISBURG	PA (US)
IAP	ILS OR LOC RWY 13		1	KMDT	HARRISBURG	PA (US)
IAP	ILS RWY 13 (CAT II & III)		1	KMDT	HARRISBURG	PA (US)
IAP	VOR RWY 31			KMDT	HARRISBURG	PA (US)
IAP	ILS OR LOC RWY 8			KLNS	LANCASTER	PA (US)
IAP	VOR RWY 31			KLNS	LANCASTER	PA (US)
IAP	VOR RWY 8			KLNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 31			KLNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 8			KLNS	LANCASTER	PA (US)
IAP	VOR RWY 28			N71	MOUNT JOY/MARIETTA	PA (US)
IAP	LOC RWY 6			KRVL	REEDSVILLE	PA (US)
STAR	BUNTS			KILG	WILMINGTON	DE (US)
STAR	BUNTS			KTTN	TRENTON	NJ (US)
STAR	HARRISBURG			KWRI	WRIGHTSTOWN	NJ (US)
STAR	BUNTS			KMQS	COATESVILLE	PA (US)
STAR	BOJID (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS			KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS			KPNE	PHILADELPHIA	PA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 13

**DATE OF REVISION:** 10/05/2023



**REASON FOR REVISION:**

1. DOCKET: UPDATED FROM "21-AEA-23" TO "21-AEA-31"
2. FIX USE: ADDED "EN ROUTE T452" AND "EN ROUTE T299"; REMOVED STAR PRIVO AT KHEF, KIAD, KJYO, KNYG, KMRB.
3. REMARKS: ADDED "SECTIONAL PER ATC REQUEST"
4. CHARTING: ADDED "SECTIONAL"
5. RESTRICTIONS: ADDED "MCA T452 3600 WEST BOUND"

**INITIATED BY:**                      **DATE:**                      **ORGANIZATION:**                      **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A421                      **NAME:** HENRY BRADSHAW

**APPROVED BY:**                      **DATE:** 10/05/2023                      **OFFICE:** AJV-A423                      **NAME:** ALLAN WILL

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: HIFAL

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 395819.20N/0751028.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
STAR  
STAR

USE TITLE  
BOJID (RNAV)  
SPUDS (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHL  
KPHL

CITY  
PHILADELPHIA  
PHILADELPHIA

STATE  
PA (US)  
PA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

**REASON FOR REVISION:**

DELETED FACILITY 1 FROM FIX MAKE-UP (EYRIE).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/04/2010

OFFICE: AVN-110

NAME: FRANK JACKSON

APPROVED BY:

DATE: 05/25/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: JOHNSTOWN VOR/DME

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 401900.21N/0785003.00W

TYPE:

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	FEET	MRA	MAA
1	JOHNSTOWN	JST	VOR/DME	L							45000

## FIX RESTRICTIONS:

MCA V12 10000 WESTBOUND  
MCA V469 10000 WESTBOUND

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## 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	NE	JST	VOR/DME	050.00	230.00		1	4200 14000	5 15
2	SW	JST	VOR/DME	221.88	041.88	R	1	4200 14000	7 10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (42-000839)	402441.00N/0784629.00W	2565	1D
1	230	WINDMILL (42-020509)	402223.78N/0783800.93W	2909	4D
1	310	WINDMILL (42-003511)	402230.90N/0783415.16W	3216	4E
2	230	WINDMILL (42-020076)	400646.12N/0785114.44W	3073	5E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

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

## REMARKS:

ASSIGNED FACILITY MAGVAR: 6W (1965).  
HOLDING EVALUATED AT 230 KIAS TO ACCOMMODATE MILITARY OPERATIONS.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JENER			KJST	JOHNSTOWN	PA (US)
DP	LILLI			KJST	JOHNSTOWN	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	V469					(US)
IAP	ILS OR LOC RWY 21			KAOO	ALTOONA	PA (US)
IAP	RNAV (GPS) RWY 14			KHMZ	BEDFORD	PA (US)
IAP	RNAV (GPS) RWY 25			9G8	EBENSBURG	PA (US)
IAP	RNAV (GPS) RWY 7			9G8	EBENSBURG	PA (US)
IAP	VOR-A			9G8	EBENSBURG	PA (US)
IAP	ILS OR LOC RWY 33		1	KJST	JOHNSTOWN	PA (US)
IAP	VOR RWY 5		2	KJST	JOHNSTOWN	PA (US)
IAP	VOR Y RWY 15		1	KJST	JOHNSTOWN	PA (US)
IAP	VOR Y RWY 23		1	KJST	JOHNSTOWN	PA (US)
IAP	VOR Z RWY 15			KJST	JOHNSTOWN	PA (US)
IAP	VOR Z RWY 23			KJST	JOHNSTOWN	PA (US)
IAP	LOC RWY 25			2G9	SOMERSET	PA (US)
STAR	BUNTS			KILG	WILMINGTON	DE (US)
STAR	BUNTS			KTTN	TRENTON	NJ (US)
STAR	BUNTS			KMQS	COATESVILLE	PA (US)
STAR	BOJID (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS			KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS			KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 27

DATE OF REVISION: 11/03/2022

REASON FOR REVISION:

FIX USE: REMOVED KBTP ILS OR LOC RWY 8. CHANGED KPHL BOJID STAR TO BOJID (RNAV).  
FIX MAKE-UP FACILITIES: CHANGED FAC 1 (JST) MAA FROM 17500 TO 45000.  
HOLDING: CHANGED PAT 1 MAX TEMPLATE FROM 10 TO 15. CHANGED PAT1 310 KTS CONTROLLING OBSTRUCTION ACCURACY CODE FROM 5E TO 4E.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A423	<b>NAME:</b> BARRY SMITH
<b>APPROVED BY:</b>	<b>DATE:</b> 11/03/2022	<b>OFFICE:</b> AJV-A420	<b>NAME:</b> MARLON ROBINSON
	<b>SIGNATURE:</b>		

# RADIO FIX AND HOLDING DATA RECORD

NAME: KYILL

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 395608.16N/0752248.43W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
STAR  
STAR

USE TITLE  
BOJID (RNAV)  
SPUDS (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHL  
KPHL

CITY  
PHILADELPHIA  
PHILADELPHIA

STATE  
PA (US)  
PA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

**REASON FOR REVISION:**

DELETED FACILITY 1 FROM FIX MAKE-UP (EXPRS).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/04/2010

OFFICE: AVN-110

NAME: FRANK JACKSON

APPROVED BY:

DATE: 05/25/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: LOMON

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 401829.04N/0772900.25W

TYPE: WP, 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 NM	FAC FEET	MRA	MAA
1	HARRISBURG	HAR	VORTAC	L	281.19	271.19	19.00	19.00		5000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

WP MADE UP FROM HAR VORTAC FACILITY POSITION

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J152	1				(US)
EN ROUTE	V12	1				(US)
STAR	BUNTS	1		KILG	WILMINGTON	DE (US)
STAR	BUNTS	1		KTTN	TRENTON	NJ (US)
STAR	BUNTS	1		KMQS	COATESVILLE	PA (US)
STAR	BOJID (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1		KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1		KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/05/2023

## REASON FOR REVISION:

FIX USE: UPDATED FORMATTING FOR V12, J152, BOJID STAR, AND BUNTS STAR. ADDED BUNTS STAR AT KILG, KTTN, KMGS, AND KPNE.  
REQUIRED CHARTING: REPLACED CONTROLLER WITH CONTROLLER LOW AND CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: COLE NESBITT

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A430

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** MIROY **STATE:** PA **COUNTRY:** US **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 401855.72N/0782126.70W **TYPE:** WP, INT, DME

**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	FEET	MRA	MAA
1	JOHNSTOWN	JST	VOR/DME	L	096.04	090.04	21.88	21.88		18000	40000
2	PHILIPSBURG	PSB	VORTAC	H	214.94	204.94	39.69	39.69		18000	40000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
JST	VOR/DME	R-096	22	18000	40000

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

**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	W	JST	VOR/DME	096.04	096.04	R	1 1/2		18000	40000	17	28
2	W	WP	WP	280.04	100.04	R		10	18000	40000	17	28

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

JOHNSTOWN (FAC 1) AND PHILIPSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
MIROY WP ON THE "BOJID" TWO ARRIVAL (KPHL) HAS AN MRA FOR COMMUNICATION OF 5,000 MSL.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J152	1, 2	1			(US)
STAR	BUNTS	1, 2	1	KILG	WILMINGTON	DE (US)
STAR	BUNTS	1, 2	1	KTTN	TRENTON	NJ (US)
STAR	BUNTS	1, 2	1	KMQS	COATESVILLE	PA (US)
STAR	BOJID (RNAV)		2	KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1, 2	1	KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1, 2	1	KPNE	PHILADELPHIA	PA (US)

**REQUIRED CHARTING:** STAR, EN ROUTE HIGH, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 9 **DATE OF REVISION:** 10/05/2023

**REASON FOR REVISION:**

1. FIX MAKE-UP FACILITIES: REMOVED FAC 2 LDN VORTAC AND ASSOCIATED DATA. ADDED FAC 2 PSB VORTAC.
2. REMARKS: CHANGED FROM "JOHNSTOWN (FAC 1) AND LINDEN (FAC 2) USED TO ESTABLISH FIX COORDINATES." TO "JOHNSTOWN (FAC 1) AND PHILIPSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES."
3. PATTERNS: PAT 1 CHANGED TEMPLATES MIN/MAX FROM 19/29 TO 17/28.
4. FIX USE: ADDED FAC 2 TO ALL BUNTS STARS AND J152.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A431 **NAME:** COLE NESBITT

**APPROVED BY:** **DATE:** 10/05/2023 **OFFICE:** AJV-A430 **NAME:** ERIC N SUSKI

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PHILIPSBURG VORTAC      **STATE:** PA      **COUNTRY:** US      **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 405458.53N/0775933.78W      **TYPE:**

**AIRSPACE DOCKET:** 21-AEA-31      **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	PHILIPSBURG	PSB	VORTAC	H						45000

**FIX RESTRICTIONS:**

MCA V265 4800 SOUTHEAST BOUND  
MCA V33 4800 SOUTHEAST BOUND  
MCA V184 4800 SOUTHEAST BOUND

**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	NW	PSB	VORTAC	292.87	112.87	L	1	4000 8000	4 8
2	E	PSB	VORTAC	076.00	256.00	R	1	4000 8000	4 8

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (42-002274)	405513.61N/0775827.22W	2855	4D
2	200	TOWER (42-002274)	405513.61N/0775827.22W	2855	4D

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 REMAIN WITHIN ZNY AIRSPACE

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 10W/1985.  
ATC REQUEST SECTIONAL CHARTING

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	XEROX			KROC	ROCHESTER	NY (US)
EN ROUTE	J49					(US)
EN ROUTE	J59					(US)
EN ROUTE	J60					(US)
EN ROUTE	J61					(US)
EN ROUTE	Q71					(US)
EN ROUTE	T216					(US)
EN ROUTE	T430					(US)
EN ROUTE	T477					(US)
EN ROUTE	V184					(US)
EN ROUTE	V265					(US)
EN ROUTE	V30					(US)
EN ROUTE	V33					(US)
EN ROUTE	V35					(US)
EN ROUTE	V501					(US)
EN ROUTE	V576					(US)
EN ROUTE	V6					(US)
IAP	VOR-A		1	N96	BELLEFONTE	PA (US)
IAP	RNAV (GPS) RWY 30			KFIG	CLEARFIELD	PA (US)
IAP	VOR RWY 30			KFIG	CLEARFIELD	PA (US)
IAP	RNAV (GPS) RWY 16			KPSB	PHILIPSBURG	PA (US)
IAP	VOR RWY 24		2	KPSB	PHILIPSBURG	PA (US)
IAP	LOC RWY 6 (ALT MISS)		2	KRVL	REEDSVILLE	PA (US)
IAP	RNAV (GPS) RWY 24			KRVL	REEDSVILLE	PA (US)
IAP	RNAV (GPS) RWY 6			KRVL	REEDSVILLE	PA (US)
IAP	ILS OR LOC RWY 24		2	KUNV	STATE COLLEGE	PA (US)
IAP	RNAV (GPS) RWY 24			KUNV	STATE COLLEGE	PA (US)
IAP	RNAV (GPS) RWY 6			KUNV	STATE COLLEGE	PA (US)
STAR	SKILS (RNAV)			KDCA	WASHINGTON	DC (US)
STAR	PRIVO			KHEF	WASHINGTON	DC (US)
STAR	MAPEL (RNAV)			KIAD	WASHINGTON	DC (US)
STAR	PRIVO			KIAD	WASHINGTON	DC (US)
STAR	SELINGSGROVE			KIAD	WASHINGTON	DC (US)
STAR	BUNTS			KILG	WILMINGTON	DE (US)
STAR	BUNTS			KTTN	TRENTON	NJ (US)
STAR	MILTON			KLGA	NEW YORK	NY (US)
STAR	BUNTS			KMQS	COATESVILLE	PA (US)
STAR	BOJID (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS			KPHL	PHILADELPHIA	PA (US)



STAR	BUNTS	KPNE	PHILADELPHIA	PA (US)
STAR	HAYNZ (RNAV)	KPIT	PITTSBURGH	PA (US)
STAR	PRIVO	KJYO	LEESBURG	VA (US)
STAR	PRIVO	KNYG	QUANTICO	VA (US)
STAR	PRIVO	KMRB	MARTINSBURG	WV (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 27

**DATE OF REVISION:** 10/05/2023

**REASON FOR REVISION:**

AIRSPACE DOCKET: ADDED 21-AEA-31.

FIX USE: ADDED T477.

REMARKS: ADDED "ATC REQUEST SECTIONAL CHARTING"

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** JADYNE SEITZ

**APPROVED BY:**

**DATE:** 10/05/2023

**OFFICE:** AJV-A423

**NAME:** ALLAN WILL

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: SCOOOL

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400359.93N/0752510.55W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
STAR  
STAR

USE TITLE  
BOJID (RNAV)  
SPUDS (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHL  
KPHL

CITY  
PHILADELPHIA  
PHILADELPHIA

STATE  
PA (US)  
PA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

**REASON FOR REVISION:**

DELETED FACILITY 1 FROM FIX MAKE-UP (KYILL).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/04/2010

OFFICE: AVN-110

NAME: FRANK JACKSON

APPROVED BY:

DATE: 05/25/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZNY  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: TRAGG

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400544.75N/0755620.79W

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	LANCASTER	LRP	VOR/DME	L	104.00	095.00	16.28	16.28		2800	17500
2	EAST TEXAS	ETX	VOR/DME	L	211.00	202.00	31.36	31.36		2800	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W	LRP	VOR/DME	104.00	104.00	L	1		2800	6000	6	7
2	W		WP	284.00	104.00	L		4	4000	14000	5	11

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (42-001206)	400445.05N/0760043.70W	1485	5E
2	200	TOWER (42-001206)	400445.05N/0760043.70W	1485	5E

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC REQUEST

PAT 2 AIR TRAFFIC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

LANCASTER (FAC 1) AND EAST TEXAS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PAT 1 MAX HOLDING LIMITED TO 6000 TO AVOID NO COURSE SIGNAL ZONE OF THE ALONG-COURSE NAVAID.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V210	1, 2				PA (US)
IAP	RNAV (GPS) RWY 26			KLNS	LANCASTER	PA (US)
IAP	RNAV (GPS) RWY 31			KLNS	LANCASTER	PA (US)
STAR	BUNTS	1, 2		KTTN	TRENTON	NJ (US)
STAR	BUNTS	1, 2		KUCP	NEW CASTLE	PA (US)
STAR	BOJID (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1, 2		KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS	1, 2		KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/05/2023

## REASON FOR REVISION:

1. PATTERNS: PAT 1 HOLDING ALTITUDES MAX CHANGED FROM 14000 TO 6000; TEMPLATES MIN/MAX CHANGED FROM 5/11 TO 6/7. PAT 2 TEMPLATES MAX CHANGED FROM 8 TO 11.

2. CONTROLLING OBSTRUCTIONS: UPDATED PAT 1 AND 2 FROM TOWER (39-1206) TO TOWER (42-001206).

3. REASON FOR NONSTANDARD HOLDING: REMOVED REDUNDANT "PAT 2 USED FOR BUNTS STAR"; ADDED "PAT 2 AIR TRAFFIC REQUEST"

4. REMARKS: REMOVED REDUNDANT "PAT 1 ATC REQUEST."; ADDED "PAT 1 MAX HOLDING LIMITED TO 6000 TO AVOID NO COURSE SIGNAL ZONE OF THE ALONG-COURSE NAVAID."

5. FIX USE: REMOVED PAT 2 FROM ALL BUNTS OCCURRENCES.

6. REQUIRED CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: COLE NESBITT

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A430

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: WHEYY

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 395049.16N/0754731.85W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
STAR  
STAR

USE TITLE  
BOJID (RNAV)  
SPUDS (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHL  
KPHL

CITY  
PHILADELPHIA  
PHILADELPHIA

STATE  
PA (US)  
PA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

**REASON FOR REVISION:**

DELETED FACILITY 1 FROM FIX MAKE-UP (KPHL R09L).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/04/2010

OFFICE: AVN-110

NAME: FRANK JACKSON

APPROVED BY:

DATE: 05/25/2010

OFFICE: AVN-110

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY:  
OTHER: