

RADIO FIX AND HOLDING DATA RECORD

NAME: BOYER

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 401636.84N/0760509.38W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 21-AEA-18

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	HARRISBURG	HAR	VORTAC	L	101.61	091.61		45.19		17500
2	RAVINE	RAV	VORTAC	L	136.00	125.00	28.78	28.78	3000	17500
3	LANCASTER	LRP	VOR/DME	L	054.03	045.03	13.33	13.33	2900	17500
4	POTTSTOWN	PTW	VORTAC	L	286.89	277.89		24.37	3000	17500
5	EAST TEXAS	ETX	VOR/DME	L	234.42	225.42	25.92	25.92	3000	17500
6	MODENA	MXE	VORTAC	L	327.51	318.51		28.78	3000	17500

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	E	PTW	VORTAC	286.89	286.89	R	1		3000	17500	5	17
2	SE	MXE	VORTAC	327.51	327.51	R	1		3000	6000	5	14
3	SE	WP	WP	147.51	327.51	R		4	3000	6000	5	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	401900.00N/0760933.00W	1437	4E
2	200	AAO	401900.00N/0760933.00W	1437	4E
2	310	AAO	401946.00N/0761150.60W	1590	6C
3	200	AAO	401900.00N/0760933.00W	1437	4E
3	310	AAO	401946.00N/0761150.60W	1590	6C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 13 (ALTERNATE MISSED APPROACH)	KRDG	READING	PA (US)
2	ILS OR LOC RWY 36 (ALTERNATE MISSED APPROACH)	KRDG	READING	PA (US)
3	RNAV (GPS) RWY 18	KRDG	READING	PA (US)

REMARKS:

RAVINE (FAC 2) AND LANCASTER (FAC 3) USED TO ESTABLISH FIX COORDINATES.
ATC REQUEST SECTIONAL CHARTING.
PAT 1 ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HAR R-102 UNUSABLE BEYOND 10 NM; MRA DELETED (GPS SUBSTITUTION).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T356					(US)
EN ROUTE	V12	1, 3, 4				(US)
EN ROUTE	V170	2, 3, 6				(US)
EN ROUTE	V39	2, 3				(US)
IAP	ILS OR LOC RWY 13 (ALTERNATE MISSED APPROACH)	5, 6	2	KRDG	READING	PA (US)
IAP	ILS OR LOC RWY 36 (ALTERNATE MISSED APPROACH)	5, 6	2	KRDG	READING	PA (US)
IAP	RNAV (GPS) RWY 18		3	KRDG	READING	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 21-AEA-18.
2. DELETED FAC 1 HAR MRA IN FIX MAKE-UP FACILITIES DUE TO UNUSABLE RADIAL.
3. DELETED DME FROM LRP IN FIX MAKE-UP FACILITIES.
4. DELETED HAR ESV.
5. CHANGED HOLDING PAT 1 LEG LENGTH FROM "1-1 1/2" TO "1".
6. CHANGED HOLDING PAT 2 AND PAT 3 MAX TEMPLATE FROM "6" TO "14".
7. ADDED REMARK "ATC REQUEST SECTIONAL CHARTING".
8. ADDED REMARK "HAR R-102 UNUSABLE BEYOND 10 NM; MRA DELETED (GPS SUBSTITUTION)".
9. ADDED T356 IN FIX USE.
10. ADDED "(ALTERNATE MISSED APPROACH)" TO ILS OR LOC RWYS 36 AND 13 IN FIX USE.
11. ADDED "SECTIONAL" AND CHANGED "CONTROLLER" TO "CONTROLLER LOW" IN REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: DANIEL JOHNSEN
APPROVED BY:	DATE: 02/23/2023	OFFICE: AJV-A420	NAME: MARLON ROBINSON
	SIGNATURE:		

RADIO FIX AND HOLDING DATA RECORD

NAME: EAST TEXAS VOR/DME **STATE:** PA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 403451.74N/0754102.51W **TYPE:**

AIRSPACE DOCKET: 21-AEA-16 **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	EAST TEXAS	ETX	VOR/DME	L						45000

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	ETX	VOR/DME	292.33	112.33	R	1	3000 8000	4 8
2	NE		WP	059.00	239.00	R	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	403845.00N/0755006.00W	1299	2C
2	200	AAO	404312.00N/0753554.00W	1185	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAGNETIC VARIATION: 1965/W09

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	TAKEOFF MINIMUMS			KXLL	ALLENTOWN	PA (US)
DP	SCRANTON			KAVP	WILKES-BARRE/SCRANTON	PA (US)
EN ROUTE	T430					(US)
EN ROUTE	V147					(US)
EN ROUTE	V162					(US)
EN ROUTE	V164					(US)
EN ROUTE	V29					(US)
EN ROUTE	V30					(US)
EN ROUTE	V39					(US)
EN ROUTE	V408					(US)
IAP	ILS OR LOC RWY 13			KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC RWY 6			KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC/DME RWY 24		1	KABE	ALLENTOWN	PA (US)
IAP	ILS RWY 6 (SA CAT I & II)			KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) RWY 24		2	KABE	ALLENTOWN	PA (US)
IAP	VOR-A		1	KABE	ALLENTOWN	PA (US)
IAP	LOC RWY 28			KHZL	HAZLETON	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 26			KLNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 31			KLNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 8			KLNS	LANCASTER	PA (US)
IAP	RNAV (GPS) RWY 26			22N	LEHIGHTON	PA (US)
IAP	VOR/DME OR GPS-A			9D4	MYERSTOWN	PA (US)
IAP	LOC RWY 28			KPTW	POTTSTOWN	PA (US)
IAP	RNAV (GPS) RWY 11			KUKT	QUAKERTOWN	PA (US)
IAP	ILS OR LOC RWY 13			KRDG	READING	PA (US)
IAP	ILS OR LOC RWY 36			KRDG	READING	PA (US)
IAP	RNAV (GPS) RWY 13			KRDG	READING	PA (US)
IAP	RNAV (GPS) RWY 18			KRDG	READING	PA (US)
IAP	RNAV (GPS) RWY 36			KRDG	READING	PA (US)
STAR	BUNTS			KILG	WILMINGTON	DE (US)
STAR	BUNTS			KTTN	TRENTON	NJ (US)
STAR	HARRISBURG			KWRI	WRIGHTSTOWN	NJ (US)
STAR	MILTON			KLGA	NEW YORK	NY (US)
STAR	BUNTS			KMQS	COATESVILLE	PA (US)
STAR	BUNTS			KPHL	PHILADELPHIA	PA (US)
STAR	SLATT			KPHL	PHILADELPHIA	PA (US)
STAR	SPUDS (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	BUNTS			KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 11/03/2022

REASON FOR REVISION:

T430 ADDED TO FIX-USE

DOCKET 21-AEA-16 ADDED

HOLDING PATTERN CONTROLLING OBSTACLE UPDATE OBSTRUCTION NAMES FROM 200' AAO TO AAO AND DELETED PAT 1 230

AIRSPEED PATTERN

FIX USE CHANGED VOR RWY 08 TO VOR RWY 8 AT KLNS

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A412

NAME: STEVEN OWNBEY**APPROVED BY:****DATE:** 11/03/2022**OFFICE:** AJV-A410**NAME:** JULIE MORGAN**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: SPARTA VORTAC

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 410403.15N/0743217.91W

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 NM	FAC FEET	MRA	MAA
1	SPARTA	SAX	VORTAC	H								45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH		HOLDING MIN	ALTITUDES		TEMPLATES	
							TIME	DME			MAX	MIN	MAX
1	SE	SAX	VORTAC	119.00	299.00	R	1		3000		17500	4	16
2	SE	SAX	VORTAC	155.00	335.00	R	1		3000		14000	4	10
3	SE	SAX	VORTAC	144.00	324.00	R	1		3000		8000	4	8
4	W	SAX	VORTAC	285.00	105.00	R	1 1/2		18000		41000	16	28
5	W	SAX	VORTAC	259.00	079.00	L	1		3000		8000	4	8
6	W		WP	259.00	079.00	L		4	3000		8000	5	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	410842.00N/0743115.00W	1647	4E
2	200	AAO	410842.00N/0743115.00W	1647	4E
3	200	AAO	410842.00N/0743115.00W	1647	4E
5	200	AAO	410842.00N/0743115.00W	1647	4E
6	200	AAO	410854.00N/0743051.00W	1683	4E

REASON FOR NONSTANDARD HOLDING:

PAT 5 ATC REQUEST.

PAT 6 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

MAGVAR: 11W

HOLDING PAT 1 AND PAT 4 FOR ATC USE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE

DP	BRIDGEHAVEN		KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN		KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY		KEWR	NEWARK	NJ (US)
DP	NEWARK		KEWR	NEWARK	NJ (US)
DP	T/O MINS AND OBSTACLE DP		KFWN	SUSSEX	NJ (US)
DP	RUUDY		KTEB	TETERBORO	NJ (US)
DP	TETERBORO		KTEB	TETERBORO	NJ (US)
DP	ALBANY		KALB	ALBANY	NY (US)
DP	REPUBLIC		KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND		KISP	NEW YORK	NY (US)
DP	KENNEDY		KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)		KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)		KLGA	NEW YORK	NY (US)
DP	LA GUARDIA		KLGA	NEW YORK	NY (US)
DP	TNNIS		KLGA	NEW YORK	NY (US)
DP	PROP		KHPN	WHITE PLAINS	NY (US)
DP	WESTCHESTER		KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J6				(US)
EN ROUTE	J60				(US)
EN ROUTE	T218				(US)
EN ROUTE	V116				(US)
EN ROUTE	V188				(US)
EN ROUTE	V213				(US)
EN ROUTE	V249				(US)
EN ROUTE	V39				(US)
EN ROUTE	V623				(US)
IAP	RNAV (GPS) RWY 3		12N	ANDOVER	NJ (US)
IAP	RNAV (GPS) RWY 25		1N7	BLAIRSTOWN	NJ (US)
IAP	LOC RWY 22	5	KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 04		KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 10		KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 1	6	N07	LINCOLN PARK	NJ (US)
IAP	RNAV (GPS) RWY 19		N07	LINCOLN PARK	NJ (US)
IAP	ILS OR LOC RWY 23		KMMU	MORRISTOWN	NJ (US)
IAP	ILS OR LOC RWY 4L		KEWR	NEWARK	NJ (US)

IAP	ILS OR LOC RWY 4R		KEWR	NEWARK	NJ (US)
IAP	ILS RWY 4L (SA CAT I & II)		KEWR	NEWARK	NJ (US)
IAP	ILS RWY 4R (CAT II & III)		KEWR	NEWARK	NJ (US)
IAP	VOR RWY 11	3	KEWR	NEWARK	NJ (US)
IAP	RNAV (GPS) RWY 3	6	KFWN	SUSSEX	NJ (US)
IAP	VOR -A	2	KFWN	SUSSEX	NJ (US)
IAP	ILS OR LOC RWY 19		KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) RWY 8		06N	MIDDLETOWN	NY (US)
IAP	ILS OR LOC RWY 4		KMGJ	MONTGOMERY	NY (US)
IAP	RNAV (GPS) RWY 4		KMGJ	MONTGOMERY	NY (US)
IAP	VOR RWY 8		KMGJ	MONTGOMERY	NY (US)
IAP	ILS OR LOC RWY 9		KSWF	NEWBURGH	NY (US)
IAP	ILS RWY 9 (CAT II & III)		KSWF	NEWBURGH	NY (US)
IAP	ILS RWY 9 (SA CAT I)		KSWF	NEWBURGH	NY (US)
IAP	RNAV (GPS) RWY 34		KSWF	NEWBURGH	NY (US)
IAP	ILS OR LOC RWY 34		KHPN	WHITE PLAINS	NY (US)
IAP	RNAV (GPS) Y RWY 16		KHPN	WHITE PLAINS	NY (US)
STAR	WILKES-BARRE		KCDW	CALDWELL	NJ (US)
STAR	WILKES-BARRE		KLDJ	LINDEN	NJ (US)
STAR	WILKES-BARRE		KMMU	MORRISTOWN	NJ (US)
STAR	FLOSI (RNAV)		KEWR	NEWARK	NJ (US)
STAR	SHAFF		KEWR	NEWARK	NJ (US)
STAR	WILKES-BARRE		39N	PRINCETON/ROCKY HILL	NJ (US)
STAR	WILKES-BARRE		N51	READINGTON	NJ (US)
STAR	WILKES-BARRE		KSMQ	SOMERVILLE	NJ (US)
STAR	WILKES-BARRE		KTEB	TETERBORO	NJ (US)
STAR	KINGSTON		KFRG	FARMINGDALE	NY (US)
STAR	KINGSTON		KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 04/20/2023

REASON FOR REVISION:

1. DELETED FIX USE DP KINGTSON AT KFRG.
2. DELETED FIX USE IAP ILS OR LOC RWY 16 AT KHPN.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE: