

RADIO FIX AND HOLDING DATA RECORD

NAME: APPLETON VORTAC **STATE:** OH **COUNTRY:** US **ICAO REGION CODE:** K5
LATITUDE/LONGITUDE: 400903.83N/0823517.88W **TYPE:**
AIRSPACE DOCKET: 23-ASO-19 **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	APPLETON	APE	VORTAC	VH						45000

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	NE	APE	VORTAC	055.00	235.00	R	1	3000 6000	4 5
2	NW	APE	VORTAC	328.00	148.00	L	1	2900 6000	4 5
3	S	APE	VORTAC	202.00	022.00	R	1	3000 6000	4 5
4	SE	APE	VORTAC	114.05	294.05	R	1	3100 6000	4 5
5	S	APE	VORTAC	194.00	014.00	R	1	3000 6000	4 5
6	NE		WP	055.00	235.00	R		3000 6000	5 6
7	NW		WP	328.00	148.00	L		3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
2	200	TOWER (39-000783)	401344.22N/0823935.43W	1599	5D
3	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
4	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
5	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
6	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
7	200	TOWER (39-000783)	401344.22N/0823935.43W	1599	5D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST
 PAT 7 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUTION COMPLETE.
 ASSIGNED FACILITY MAGVAR: W6 1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	CAVVS (RNAV)			KBKL	CLEVELAND	OH (US)
DP	CAVVS (RNAV)			KCGF	CLEVELAND	OH (US)
DP	CAVVS (RNAV)			KCLE	CLEVELAND	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
DP	CAVVS (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
DP	CAVVS (RNAV)			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	J178					(US)
EN ROUTE	J30					(US)
EN ROUTE	J83					(US)
EN ROUTE	T323					(US)
EN ROUTE	V144					(US)
EN ROUTE	V19					(US)
EN ROUTE	V38					(US)
EN ROUTE	V5					(US)
IAP	ILS OR LOC RWY 10L		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 10R (ALT MISS)		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28L (ALT MISS)		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28R		1	KCMH	COLUMBUS	OH (US)
IAP	ILS RWY 10R (SA CAT I & II) (ALT MISS)		1	KCMH	COLUMBUS	OH (US)
IAP	ILS RWY 28L (SA CAT I & II) (ALT MISS)		1	KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 10L		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 28R		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 10L		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 28R		6	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 5L			KLCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 5R			KLCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (CAT II)			KLCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (SA CAT I)			KLCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 9R (ALT MISS)		1	KOSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 27L			KOSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 9R			KOSU	COLUMBUS	OH (US)

QUALITY
 16
 CHECKED

IAP	ILS OR LOC RWY 9R		KOSU	COLUMBUS	OH (US)
IAP	VOR RWY 28	4	KDLZ	DELAWARE	OH (US)
IAP	RNAV (GPS) RWY 28		KLHQ	LANCASTER	OH (US)
IAP	VOR-A	5	KLHQ	LANCASTER	OH (US)
IAP	VOR-A		4I9	MOUNT GILEAD	OH (US)
IAP	RNAV (GPS) RWY 10		4I3	MOUNT VERNON	OH (US)
IAP	RNAV (GPS) RWY 28		4I3	MOUNT VERNON	OH (US)
IAP	VOR-A	3	4I3	MOUNT VERNON	OH (US)
IAP	VOR/DME RWY 26		I86	NEW LEXINGTON	OH (US)
IAP	LOC RWY 9	2	KVTA	NEWARK	OH (US)
IAP	RNAV (GPS) RWY 27	7	KVTA	NEWARK	OH (US)
IAP	VOR-A	2	KVTA	NEWARK	OH (US)
IAP	ILS OR LOC RWY 22R		KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CAT II & III)		KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (SA CAT I)		KILN	WILMINGTON	OH (US)
STAR	TIGRR (RNAV)		KCVG	COVINGTON	KY (US)
STAR	DANEI		KDAY	DAYTON	OH (US)
STAR	DANEI		KFFO	DAYTON	OH (US)
STAR	DANEI		KMGY	DAYTON	OH (US)
STAR	DANEI		KMWO	MIDDLETOWN	OH (US)
STAR	DANEI		KSGH	SPRINGFIELD	OH (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: 35

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

CHANGED AIRSPACE DOCKET NO. FROM "23-ASO-8" TO "23-ASO-19".
 REMOVED STAR HEDEE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.
 REMOVED STAR REDSTONE FOR KJVY, KLOW AND KSDF AIRPORTS FROM FIX USE.
 REMOVED STAR CINC FOR KCVG, K62, I59, KLUK AND KHAO AIRPORTS FROM FIX USE.
 ADDED EN ROUTE T323 TO FIX USE.
 REMOVED EN ROUTE V5 AND V19 FROM FIX USE.

02/20/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/27/2023.

1. ADDED EN ROUTE V5 AND V19 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 21, 2024

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FALMOUTH VOR/DME STATE: KY COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 383857.99N/0841838.17W 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	FEET	MRA	MAA
1	FALMOUTH	FLM	VOR/DME	H							45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	FLM	VOR/DME	135.00	315.00	L	1		2500	6000	4	5
2	NW	FLM	VOR/DME	323.91	143.91	R	1		3000	14000	4	10
3	SE		WP	137.00	317.00	L		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-001033)	383513.30N/0842139.80W	1440	5E
2	200	TOWER (21-001033)	383513.30N/0842139.80W	1440	5E
3	200	TOWER (21-001033)	383513.30N/0842139.80W	1440	5E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 3 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
MAG VAR W04/1990

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J134					(US)
EN ROUTE	J24					(US)
EN ROUTE	J43					(US)
EN ROUTE	V44					(US)
EN ROUTE	V517					(US)
EN ROUTE	V57					(US)
IAP	ILS OR LOC RWY 18C			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18L	1	1	KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18R			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 27		2	KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36C			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36L			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36R			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36R		1	KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 9			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18R (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 27 (SA CAT I)		2	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 27 (SA CAT II)		2	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36C (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36C (CAT III)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36L (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36R (CAT II)		1	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36R (CAT III)		1	KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 18L			KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 36C			KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 36L			KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 36R			KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 18L		3	KCVG	COVINGTON	KY (US)
IAP	VOR-A		1	K62	FALMOUTH	KY (US)
IAP	VOR/DME-A			KFGX	FLEMINGSBURG	KY (US)
IAP	ILS OR LOC RWY 21L	1	2	KLUK	CINCINNATI	OH (US)
IAP	RNAV (GPS) RWY 3R			KLUK	CINCINNATI	OH (US)
IAP	VOR/DME-A			KGEO	GEORGETOWN	OH (US)
IAP	ILS OR LOC RWY 4L			KILN	WILMINGTON	OH (US)

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

COMPULSORY REPORTING POINT: NO



RECORD REVISION NUMBER: 31

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

ADDED AIRSPACE DOCKET #23-ASO-8.
REMOVED STAR HEDEE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.
REMOVED STAR REDSTONE FOR KJVY, KLOW AND KSDF AIRPORTS FROM FIX USE.
REMOVED STAR HARDU FOR KCVG, K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.
REMOVED STAR KEKEE FOR KDAY, KFFO AND KSGH AIRPORTS FROM FIX USE.
REMOVED STAR CLEGG FOR KLEX AIRPORT FROM FIX USE.
REMOVED V44 FROM FIX USE.
REMOVED BLUEGRASS FOR KCVG AIRPORT FROM FIX USE.
REMOVED DP AND STAR FROM REQUIRED CHARTING.

03/12/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/21/2024.

1. REMOVED AIRSPACE DOCKET #23-ASO-8.
2. ADDED V44 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Mar 13, 2024

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FORT WAYNE VORTAC STATE: IN COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 405844.63N/0851117.01W 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	FEET	MRA	MAA
1	FORT WAYNE	FWA	VORTAC	VH							45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	FWA	VORTAC	140.75	320.75	R	1		4000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000023)	410012.00N/0850559.00W	1159	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 6W 2020.
 PAT 1 AT ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DAYTON			KDAY	DAYTON	OH (US)
EN ROUTE	J149					(US)
EN ROUTE	J178					(US)
EN ROUTE	J64					(US)
EN ROUTE	V11					(US)
EN ROUTE	V144					(US)
EN ROUTE	V221					(US)
EN ROUTE	V277					(US)
EN ROUTE	V38					(US)
EN ROUTE	V55					(US)
EN ROUTE	V96					(US)
IAP	ILS OR LOC RWY 27			KGWB	AUBURN	IN (US)
IAP	RNAV (GPS) RWY 27			KGWB	AUBURN	IN (US)
IAP	RNAV (GPS) RWY 9			KGWB	AUBURN	IN (US)
IAP	VOR-A			KGWB	AUBURN	IN (US)
IAP	ILS OR LOC RWY 32			KFWA	FORT WAYNE	IN (US)
IAP	ILS OR LOC RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 05 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 14			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 32			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 14			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 31			KSMD	FORT WAYNE	IN (US)
IAP	VOR RWY 13			KSMD	FORT WAYNE	IN (US)
IAP	VOR-A			KHHG	HUNTINGTON	IN (US)
IAP	RNAV (GPS) RWY 23			KOKK	KOKOMO	IN (US)
IAP	ILS OR LOC RWY 27		1	KASW	WARSAW	IN (US)
IAP	HI-ILS OR LOC RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-ILS Y OR LOC Y RWY 7			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7			KTOL	TOLEDO	OH (US)
STAR	GOSHEN			KIGQ	CHICAGO	IL (US)
STAR	GOSHEN			KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KMDW	CHICAGO	IL (US)
STAR	ESSPO (RNAV)			KORD	CHICAGO	IL (US)
STAR	VEECK (RNAV)			KORD	CHICAGO	IL (US)
STAR	WATSN (RNAV)			KORD	CHICAGO	IL (US)
STAR	GOSHEN			KGYG	GARY	IN (US)
STAR	GOSHEN			05C	GRIFFITH	IN (US)
STAR	GOSHEN			3HO	HOBART	IN (US)
STAR	CLANG			KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG			KIND	INDIANAPOLIS	IN (US)
STAR	CLANG			KMQJ	INDIANAPOLIS	IN (US)

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

QUALITY
14
CHECKED

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 27 DATE OF REVISION: 05/16/2024

REASON FOR REVISION:
REMOVED STARS HEDEE AND SHELBYVILLE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: SILVIA YOUNG
APPROVED BY:	DATE: 05/16/2024	OFFICE: AJV-A432	NAME: CASIMIR TABAKA

SIGNATURE:	<i>Digitally signed by</i> CASIMIR L TABAKA Jan 09, 2024
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RADIO FIX AND HOLDING DATA RECORD

NAME: HEDEE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 393815.29N/0834820.22W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ATC REQUEST EN ROUTE LOW CHARTING.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

TIGRR (RNAV)

KCVG

COVINGTON

KY (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED INT AND DME FROM FIX TYPE.

REMOVED FAC 1 APE VORTAC, FAC 2 ROD VORTAC AND FAC 3 CVG VORTAC FROM FIX MAKE-UP FACILITIES AND THEIR ASSOCIATED ESVS, FIX USE RNAV ONLY.

REMOVED "ROSEWOOD (FAC 2) AND CINCINNATI (FAC 3) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.

REMOVED STAR HEDEE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Jan 09, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JADAT

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391419.66N/0842304.26W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	CININNATI	CVG	VORTAC	L	052.00	048.00	20.00	20.00		4000	17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HEDEE	1		K62	FALMOUTH	KY (US)
STAR	HEDEE	1		I69	BATAVIA	OH (US)
STAR	HEDEE	1		KLUK	CININNATI	OH (US)
STAR	HEDEE	1		KHAO	HAMILTON	OH (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. UPDATED FIX USE: REMOVE KCVG FROM HEDEE STAR; ADD HEDEE STAR TO KK62, KI69, KLUK, AND KHAO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Jan 09, 2024

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CVG APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MUNCIE VOR/DME

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 401414.25N/0852338.53W

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 FEET	MRA	MAA
1	MUNCIE	MIE	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW	MIE	VOR/DME	323.00	143.00	R	1	2600 10000	4 9
2	N	MIE	VOR/DME	021.05	201.05	R	1	2600 10000	4 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000009)	400940.20N/0852241.60W	1465	2D
2	200	TOWER (18-000663)	401248.00N/0852734.00W	1249	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 3W 1985.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAREO			KEYE	INDIANAPOLIS	IN (US)
DP	MAREO			KHFY	INDIANAPOLIS	IN (US)
DP	MAREO			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KMQJ	INDIANAPOLIS	IN (US)
DP	MAREO			KTYQ	INDIANAPOLIS	IN (US)
DP	MAREO			KUMP	INDIANAPOLIS	IN (US)
DP	MAREO			KGEZ	SHELBYVILLE	IN (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
EN ROUTE	V14					(US)
EN ROUTE	V192					(US)
EN ROUTE	V210					(US)
EN ROUTE	V221					(US)
IAP	ILS OR LOC RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 5 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 14			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 5			KOKK	KOKOMO	IN (US)
IAP	ILS OR LOC RWY 32			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 14			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 21			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 32			KMIE	MUNCIE	IN (US)
IAP	VOR RWY 14		1	KMIE	MUNCIE	IN (US)
IAP	VOR RWY 21		2	KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 26			I22	WINCHESTER	IN (US)
IAP	RNAV (GPS) RWY 9			KVES	VERSAILLES	OH (US)
STAR	CLANG			KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG			KIND	INDIANAPOLIS	IN (US)
STAR	CLANG			KMQJ	INDIANAPOLIS	IN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED STAR HEDEE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

QUALITY
14
CHECKED

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jan 09, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ORICE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400640.42N/0835841.35W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ROSEWOOD	ROD	VORTAC	H	169.22	164.22	11.00	11.00		4000	17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HEDEE	1		K62	FALMOUTH	KY (US)
STAR	HEDEE	1		I69	BATAVIA	OH (US)
STAR	HEDEE	1		KLUK	CINCINNATI	OH (US)
STAR	HEDEE	1		KHAO	HAMILTON	OH (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. UPDATED FIX USE: REMOVE KCVG FROM HEDEE STAR; ADD HEDEE STAR TO KK62, KI69, KLUK, AND KHAO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Jan 09, 2024

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CVG APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OSBER

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 404508.87N/0844828.67W

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	MRA	MAA
1	FORT WAYNE	FWA	VORTAC	VH	134.02	128.02	22.00	22.00	3000	17500
2	MUNCIE	MIE	VOR/DME	L	043.78	040.78		40.91	3000	17500
3	ROSEWOOD	ROD	VORTAC	H	313.77	308.77	44.73	44.73	3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MIE	VOR/DME	R-044	41	3000	17500
ROD	VORTAC	R-314	45	3000	15600

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	FWA	VORTAC	134.02	314.02	L	1	3000 10000	6 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-001340)	404615.00N/0845605.00W	1223	3B

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIRSPACE CONSTRAINTS

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

FORT WAYNE (FAC 1) AND MUNCIE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
265K PATTERN EVALUATED FOR MILITARY USE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V277	1, 2, 3	1			(US)
IAP	ILS OR LOC RWY 5	1, 2, 3	1	KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 5 (CAT II)	1, 2, 3	1	KFWA	FORT WAYNE	IN (US)
IAP	RADAR-1	1, 2, 3	1	KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 14	1, 2	1	KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 23	1, 2	1	KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 5	1, 2	1	KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 31			KSMD	FORT WAYNE	IN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

FAC 1 FWA VORTAC CLASS CHANGED FROM H TO VH.
REMOVED STAR HEDEE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.
CHANGED FROM CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.
REMOVED STAR FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jan 09, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROSEWOOD VORTAC STATE: OH COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 401716.08N/0840235.15W 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 FEET	MRA	MAA
1	ROSEWOOD	ROD	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 TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW	ROD	VORTAC	310.00	130.00	R	1	3000 6000	4 5
2	NE	ROD	VORTAC	063.00	243.00	R	1	2800 6000	4 5
3	NE	ROD	VORTAC	064.96	244.96	R	1	3000 6000	4 5
4	W	ROD	VORTAC	248.49	068.49	R	1	3000 6000	4 5
5	SW		WP	244.00	064.00	R		3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D
2	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D
3	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D
4	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D
5	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
 ASSIGNED FACILITY MAGVAR: 5W/1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KCPs	CAHOKIA/ST LOUIS	IL (US)
DP	MAREO			KEYE	INDIANAPOLIS	IN (US)
DP	MAREO			KHfY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KMQJ	INDIANAPOLIS	IN (US)
DP	MAREO			KTYQ	INDIANAPOLIS	IN (US)
DP	MAREO			KUMP	INDIANAPOLIS	IN (US)
DP	MAREO			KGEZ	SHELBYVILLE	IN (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
EN ROUTE	J149					(US)
EN ROUTE	J152					(US)
EN ROUTE	J43					(US)
EN ROUTE	V210					(US)
EN ROUTE	V277					(US)
EN ROUTE	V47					(US)
IAP	ILS OR LOC RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 5 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 25		5	KEDJ	BELLEFONTAINE	OH (US)
IAP	RNAV (GPS) RWY 7		5	KEDJ	BELLEFONTAINE	OH (US)
IAP	VOR RWY 25	1	4	KEDJ	BELLEFONTAINE	OH (US)
IAP	VOR RWY 7		4	KEDJ	BELLEFONTAINE	OH (US)
IAP	RNAV (GPS)-A			3I7	DAYTON	OH (US)
IAP	ILS OR LOC RWY 18			KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 24L			KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 24R			KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 6L		2	KDAY	DAYTON	OH (US)
IAP	ILS RWY 6L (CAT II & III)		2	KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 18			KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 24L			KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) Z RWY 24R			KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 36			KFDY	FINDLAY	OH (US)
IAP	ILS OR LOC RWY 29			KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 4			I95	KENTON	OH (US)
IAP	ILS OR LOC RWY 28			KAOH	LIMA	OH (US)
IAP	RNAV (GPS) RWY 26			I17	PIQUA	OH (US)
IAP	VOR RWY 26		2	I17	PIQUA	OH (US)
IAP	RNAV (GPS) RWY 10			KSCA	SIDNEY	OH (US)

QUALITY
14
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IAP	RNAV (GPS) RWY 28		KSCA	SIDNEY	OH (US)
IAP	VOR-A	3	KSCA	SIDNEY	OH (US)
IAP	HI-ILS Y OR LOC Y RWY 25		KTOL	TOLEDO	OH (US)
IAP	HI-ILS Y OR LOC Y RWY 7		KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25		KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7		KTOL	TOLEDO	OH (US)
IAP	RNAV (GPS) RWY 20		I74	URBANA	OH (US)
IAP	VOR-A	1	I74	URBANA	OH (US)
IAP	RNAV (GPS) RWY 27		KVES	VERSAILLES	OH (US)
IAP	VOR-A		KAXV	WAPAKONETA	OH (US)
STAR	WATSN (RNAV)		KORD	CHICAGO	IL (US)
STAR	CLANG		KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG		KIND	INDIANAPOLIS	IN (US)
STAR	CLANG		KMQJ	INDIANAPOLIS	IN (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: 40

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED STAR HEDEE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.
REMOVED STAR REDSTONE FOR KJVY, KLOW AND KSDF AIRPORTS FROM FIX USE.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** SILVIA YOUNG

APPROVED BY: **DATE:** 05/16/2024 **OFFICE:** AJV-A432 **NAME:** CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jan 09, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: SPORTYS NDB STATE: OH COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 390436.15N/0841255.45W TYPE:

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	SPORTYS	PWF	NDB	MH						17500

HOLDING: HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HARDU	1		I69	BATAVIA	OH (US)
STAR	HEDEE	1		I69	BATAVIA	OH (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. DELETED SINCE AT I69 IN FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: NAME:

APPROVED BY: DATE: 05/16/2024 OFFICE: AJV-A432 NAME: CASIMIR TABAKA

SIGNATURE: *Digitally signed by*
CASIMIR L TABAKA
Jan 09, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WUSPU

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391514.28N/0841617.11W

TYPE: WP, 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	MRA	MAA
1	CINCINNATI	CVG	VORTAC	L	058.59	054.59	24.70	24.70	2800	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S		WP	189.17	009.17	R	4	2800	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000864)	391151.00N/0841300.00W	1359	5D

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	V5	1				(US)
IAP	RNAV (GPS) RWY 1		1	I68	LEBANON	OH (US)
IAP	RNAV (GPS) RWY 19		1	I68	LEBANON	OH (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

ADDED AIRSPACE DOCKET #23-ASO-19.
REMOVED DME FROM FIX TYPE.
REMOVED FAC 1 CVG VORTAC FROM FIX MAKE-UP FACILITIES.
REMOVED PAT 2 FROM HOLDING PATTERNS AND ITS ASSOCIATED CONTROLLING OBSTRUCTION.
REMOVED STARS HARDU AND HEDEE FROM FIX USE.
REMOVED EN ROUTE V5 FROM FIX USE.
REMOVED STAR FROM REQUIRED CHARTING.

02/20/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/31/2023.

1. REMOVED AIRSPACE DOCKET #23-ASO-19.
2. ADDED DME TO FIX TYPE.
3. ADDED FAC 1 CVG TACAN TO FIX MAKE-UP FACILITIES.
4. ADDED EN ROUTE V5 TO FIX USE.

03/05/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/21/2024.

1. CHANGED FAC 1 FROM CVG TACAN TO CVG VORTAC IN FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Mar 06, 2024