

RADIO FIX AND HOLDING DATA RECORD

NAME: BONOT

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 425218.18N/0881132.31W

TYPE: WP, RADAR, 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 NM	FAC FEET	MRA	MAA
1	MILWAUKEE	I-GMF	LOC		255.66	251.66	12.52	14.27		2900	5100
2	BADGER	BAE	VOR/DME	H	162.56	164.56	15.25	15.25		2900	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MILWAUKEE (FAC 1) AND BADGER (FAC 2) USED TO ESTABLISH FIX COORDINATES.
DME ANTENNA LOCATION: 425618.51N/0875523.66W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V191	1, 2				(US)
IAP	ILS OR LOC RWY 7R	1, 2		KMKE	MILWAUKEE	WI (US)
IAP	RNAV (RNP) Y RWY 7R			KMKE	MILWAUKEE	WI (US)
IAP	RNAV (GPS) RWY 4L			KMWC	MILWAUKEE	WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. DELETED FIX USE STAR GOPAC (RNAV) AT KUGN, KBUU, 57C, KHXF, KENW, KMKE, KMWC, KRAC, KUES, AND KETB.
2. DELETED STAR FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHZHD

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 410106.21N/0883718.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:
USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING
CHICAGO/WAUKEGAN

STATE
IL (US)

STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR

GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

IL (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/15/2023

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by
ERIC N SUSKI
Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DETIE

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 422133.64N/0882148.38W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	GOPAC (RNAV)			KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING CHICAGO/WAUKEGAN	IL (US)
STAR	GOPAC (RNAV)			KUGN		IL (US)
STAR	GOPAC (RNAV)			KBUU	BURLINGTON	WI (US)
STAR	GOPAC (RNAV)			57C	EAST TROY	WI (US)
STAR	GOPAC (RNAV)			KHXF	HARTFORD	WI (US)
STAR	GOPAC (RNAV)			KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)			KMKE	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)			KMWC	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)			KRAC	RACINE	WI (US)
STAR	GOPAC (RNAV)			KUES	WAUKESHA	WI (US)
STAR	GOPAC (RNAV)			KETB	WEST BEND	WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.
2. CHANGED STATE FROM WI TO IL.

03/24/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/23/2023.

1. CHANGED FIX TYPE OF ACTION FROM NO CHANGE TO MODIFY.
2. CHANGED STATE FROM WI TO IL.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Mar 24, 2023

QUALITY
31
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GIWFY

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424543.61N/0890104.62W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:
USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING
CHICAGO/WAUKEGAN

STATE
IL (US)

STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR

GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

IL (US)
WI (US)
WI (US)
WI (US)
WI (US)
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WI (US)
WI (US)
WI (US)
WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GOPAC

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424900.26N/0882457.07W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL (US)

STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)
STAR GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

CHICAGO/WAUKEGAN
BURLINGTON
EAST TROY
HARTFORD
KENOSHA
MILWAUKEE
MILWAUKEE
RACINE
WAUKESHA
WEST BEND

IL (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HIGUH **STATE:** IL **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 421804.84N/0880004.06W **TYPE:** WP

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

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

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR									MAX	MIN	MAX	MIN
1	N		WP	340.53	160.53	R		4	2500	6000	5	6	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	200	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 16		1	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
STAR	GOPAC (RNAV)			KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
STAR	GOPAC (RNAV)			KUGN	CHICAGO/WAUKEGAN	IL (US)
STAR	GOPAC (RNAV)			KBUU	BURLINGTON	WI (US)
STAR	GOPAC (RNAV)			57C	EAST TROY	WI (US)
STAR	GOPAC (RNAV)			KHXF	HARTFORD	WI (US)
STAR	GOPAC (RNAV)			KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)			KMKE	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)			KMWC	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)			KRAC	RACINE	WI (US)
STAR	GOPAC (RNAV)			KUES	WAUKESHA	WI (US)
STAR	GOPAC (RNAV)			KETB	WEST BEND	WI (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 06/15/2023

REASON FOR REVISION:
 1. ADDED HOLDING PAT 1 TO FIX USE IAP RNAV (GPS) RWY 16 AT KPWK.
 2. ADDED STAR TO REQUIRED CHARTING.
 3. ADDED FIX USE STAR GOPAC (RNAV) AT KPWK, KUGN, KBUU, 57C, KHXF, KENW, KMKE, KMWC, KRAC, KUES, AND KETB.

02/09/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/29/2022.
 1. DELETED FIX USE SPECIAL IAP RNAV (RNP) M RWY 34 AND RNAV (RNP) N RWY 34 AT KPWK.
 2. DELETED SPECIAL IAP FROM REQUIRED CHARTING.
 3. CHANGED RECORD REVISION NUMBER FROM 5 TO 6.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: MICHAEL MCCARTNEY
APPROVED BY:	DATE: 06/15/2023	OFFICE: AJV-A431	NAME: ERIC N SUSKI
SIGNATURE:			

Digitally signed by
ERIC N SUSKI
Feb 10, 2023



RADIO FIX AND HOLDING DATA RECORD

NAME: JANESVILLE VOR/DME STATE: WI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 423328.83N/0890618.93W 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	JANESVILLE	JVL	VOR/DME	L							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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	JVL	VOR/DME	297.50	117.50	R	1		2700	12000	4	9
2	W	JVL	VOR/DME	289.01	109.01	R	1		2700	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (55-001430)	423659.00N/0891802.00W	1326	2C
2	200	TOWER (55-001430)	423659.00N/0891802.00W	1326	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 3E/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V216					(US)
EN ROUTE	V24					(US)
EN ROUTE	V246					(US)
EN ROUTE	V63					(US)
EN ROUTE	V9					(US)
IAP	LOC BC RWY 19			KRFD	CHICAGO/ROCKFORD	IL (US)
IAP	RNAV (GPS) RWY 19			KRFD	CHICAGO/ROCKFORD	IL (US)
IAP	RNAV (GPS) RWY 25			KRFD	CHICAGO/ROCKFORD	IL (US)
IAP	ILS OR LOC RWY 24			KFEP	FREEPORT	IL (US)
IAP	RNAV (GPS) RWY 24			KFEP	FREEPORT	IL (US)
IAP	VOR-A		1	44C	BELOIT	WI (US)
IAP	ILS OR LOC RWY 32			KJVL	JANESVILLE	WI (US)
IAP	ILS OR LOC RWY 4	1	2	KJVL	JANESVILLE	WI (US)
IAP	ILS OR LOC/DME RWY 36			KMSN	MADISON	WI (US)
IAP	ILS RWY 36 (CAT II - III)			KMSN	MADISON	WI (US)
IAP	ILS RWY 36 (SA CAT I)			KMSN	MADISON	WI (US)
IAP	RNAV(GPS) RWY 36			KMSN	MADISON	WI (US)
IAP	RNAV (GPS) RWY 28			C29	MIDDLETON	WI (US)
IAP	VOR/DME RWY 30			KEFT	MONROE	WI (US)
IAP	RNAV (GPS) RWY 11			KRYV	WATERTOWN	WI (US)
IAP	RNAV (GPS) RWY 5			KRYV	WATERTOWN	WI (US)
STAR	JANESVILLE		2	KORD	CHICAGO	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 35

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. DELETED FIX USE STAR GOPAC (RNAV) AT KUGN, KBUU, 57C, KHXF, KENW, KMKE, KMWC, KRAC, KUES, AND KETB.
2. DELETED HOLDING PAT 3 AND ALL ASSOCIATED DATA.
3. DELETED FIX USE IAP ILS OR LOC RWY 2 AT KDKB.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023



RADIO FIX AND HOLDING DATA RECORD

NAME: KNARF

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424419.77N/0882558.32W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL (US)

STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR

GOPAC (RNAV)
GOPAC (RNAV)
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GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

CHICAGO/WAUKEGAN
BURLINGTON
EAST TROY
HARTFORD
KENOSHA
MILWAUKEE
MILWAUKEE
RACINE
WAUKESHA
WEST BEND

IL (US)
WI (US)
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REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KPACK

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424605.24N/0885142.03W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:
USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPKW

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING
CHICAGO/WAUKEGAN

STATE
IL (US)

STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR

GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
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GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

IL (US)
WI (US)
WI (US)
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WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPKW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEEDN STATE: IL COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414247.37N/0881858.87W 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 FAC NM	MRA	MAA
1	JOLIET	JOT	VOR/DME	H	358.53	000.53	10.00	10.00	14000	17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

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	181.32	001.32	R	10	7000 14000	15 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (17-001613)	413626.00N/0882710.00W	1266	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	GOPAC (RNAV)		1	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
STAR	GOPAC (RNAV)		1	KUGN	CHICAGO/WAUKEGAN	IL (US)
STAR	GOPAC (RNAV)		1	KBUU	BURLINGTON	WI (US)
STAR	GOPAC (RNAV)		1	57C	EAST TROY	WI (US)
STAR	GOPAC (RNAV)		1	KHXF	HARTFORD	WI (US)
STAR	GOPAC (RNAV)		1	KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)		1	KMKE	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)		1	KMWC	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)		1	KRAC	RACINE	WI (US)
STAR	GOPAC (RNAV)		1	KUES	WAUKESHA	WI (US)
STAR	GOPAC (RNAV)		1	KETB	WEST BEND	WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.
2. CHANGED HOLDING PAT 1 CONTROLLING OBSTRUCTION FROM 1449 TOWER (17-000110) 414610.00N/0881444.00W (5D) TO 1266 TOWER (17-001613) 413626.00N/0882710.00W (2C).

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: MICHAEL MCCARTNEY

APPROVED BY: DATE: 06/15/2023 OFFICE: AJV-A431 NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEEDR

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424747.53N/0883155.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:
USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING
CHICAGO/WAUKEGAN

STATE
IL (US)

STAR
STAR
STAR
STAR
STAR
STAR
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STAR
STAR

GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
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GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

IL (US)
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WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MOWSR

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423253.36N/0882345.72W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX USE:
USE TYPE

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL (US)

STAR
STAR
STAR
STAR
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STAR
STAR

GOPAC (RNAV)
GOPAC (RNAV)
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GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

CHICAGO/WAUKEGAN
BURLINGTON
EAST TROY
HARTFORD
KENOSHA
MILWAUKEE
MILWAUKEE
RACINE
WAUKESHA
WEST BEND

IL (US)
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WI (US)
WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. FIX NAME CHANGED FROM DREWD TO MOWSR.
2. ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MUMPR

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 421436.90N/0882059.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL (US)

STAR
STAR
STAR
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STAR
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STAR
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STAR

GOPAC (RNAV)
GOPAC (RNAV)
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GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

CHICAGO/WAUKEGAN
BURLINGTON
EAST TROY
HARTFORD
KENOSHA
MILWAUKEE
MILWAUKEE
RACINE
WAUKESHA
WEST BEND

IL (US)
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WI (US)
WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI
Digitally signed by

SIGNATURE:

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NORTHBROOK VOR/DME

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 421316.96N/0875706.01W

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	NORTHBROOK	OBK	VOR/DME	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	W	OBK	VOR/DME	272.00	092.00	R	1		4000	13000	6	10
2	N	OBK	VOR/DME	343.28	163.28	L	1		2700	5000	4	12
3	W		WP	272.00	092.00	R		9	4000	13000	13	19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D
1	310	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D
2	200	AAO	421609.00N/0880251.00W	1073	4E
2	310	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D
3	310	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 27R (CAT II-III)	KORD	CHICAGO	IL (US)
1	ILS OR LOC RWY 22R	KORD	CHICAGO	IL (US)
1	ILS OR LOC RWY 27R	KORD	CHICAGO	IL (US)
1	ILS RWY 27R (SA CAT I)	KORD	CHICAGO	IL (US)
1	ILS OR LOC RWY 9L	KORD	CHICAGO	IL (US)
1	ILS RWY 9L (SA CAT I)	KORD	CHICAGO	IL (US)
1	ILS RWY 9L (CAT II-III)	KORD	CHICAGO	IL (US)
2	ILS OR LOC RWY 16	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
3	RNAV (GPS) RWY 27R	KORD	CHICAGO	IL (US)
3	RNAV (GPS) RWY 9L	KORD	CHICAGO	IL (US)

REMARKS:

HOLDING PATTERNS CIVIL AND MILITARY USE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 2W 2000.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	VOR-A			82IS	HUNTLEY	IL (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
EN ROUTE	J100					(US)
EN ROUTE	J101					(US)
EN ROUTE	J128					(US)
EN ROUTE	J19					(US)
EN ROUTE	J35					(US)
EN ROUTE	J547					(US)
EN ROUTE	J584					(US)
EN ROUTE	J71					(US)
EN ROUTE	J73					(US)
EN ROUTE	J84					(US)
EN ROUTE	J87					(US)
EN ROUTE	J89					(US)
EN ROUTE	J90					(US)
EN ROUTE	J94					(US)
EN ROUTE	V100					(US)
EN ROUTE	V191					(US)
EN ROUTE	V228					(US)
EN ROUTE	V24					(US)
EN ROUTE	V526					(US)
EN ROUTE	V84					(US)
IAP	ILS OR LOC RWY 22R		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 27R		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 9L		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 27R (CAT II-III)		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 27R (SA CAT I)		1	KORD	CHICAGO	IL (US)

QUALITY
14
CHECKED

IAP	ILS RWY 9L (CAT II-III)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 27R	3	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L	3	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 16	2	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
IAP	VOR RWY 16	2	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
IAP	ILS OR LOC RWY 23		KUGN	CHICAGO/WAUKEGAN	IL (US)
IAP	RNAV (GPS)-B		C81	GRAYSLAKE	IL (US)
IAP	RNAV (GPS) RWY 7L		KENW	KENOSHA	WI (US)
IAP	RNAV (GPS) RWY 23		C02	LAKE GENEVA	WI (US)
IAP	RNAV (GPS) RWY 32		KRAC	RACINE	WI (US)
STAR	JANESVILLE		KORD	CHICAGO	IL (US)
STAR	GOPAC (RNAV)		KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
STAR	GOPAC (RNAV)		KUGN	CHICAGO/WAUKEGAN	IL (US)
STAR	SHELBYVILLE		KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE		K62	FALMOUTH	KY (US)
STAR	SHELBYVILLE		I69	BATAVIA	OH (US)
STAR	SHELBYVILLE		KLUK	CINCINNATI	OH (US)
STAR	SHELBYVILLE		KHAO	HAMILTON	OH (US)
STAR	GOPAC (RNAV)		KBUU	BURLINGTON	WI (US)
STAR	GOPAC (RNAV)		57C	EAST TROY	WI (US)
STAR	GOPAC (RNAV)		KHXF	HARTFORD	WI (US)
STAR	GOPAC (RNAV)		KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)		KMKE	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)		KMWC	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)		KRAC	RACINE	WI (US)
STAR	GOPAC (RNAV)		KUES	WAUKESHA	WI (US)
STAR	GOPAC (RNAV)		KETB	WEST BEND	WI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 35

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. ADDED FIX USE STAR GOPAC (RNAV) AT KPWK, KUGN, KBUU, 57C, KHXF, KENW, KMKE, KMWC, KRAC, KUES, AND KETB.
2. DELETED FIX USE STATE IDENTIFIER FROM ALL EN ROUTE FIX USE.
3. DELETED FIX USE IAP AT KLOT: LOC RWY 2.
4. DELETED FIX USE IAP AT KRAC: ILS OR LOC RWY 4.
5. DELETED FIX USE IAPS AT KORD: ILS OR LOC RWY 10C, ILS RWY 10C (CAT II-III), ILS RWY 10C (SA CAT I), ILS OR LOC RWY 10L, ILS RWY 10L (CAT II-III), ILS RWY 10L (SA CAT I), ILS OR LOC RWY 27L, ILS RWY 27L (SA CAT I), ILS RWY 27L (CAT II-III), ILS OR LOC RWY 28C, ILS RWY 28C (SA CAT I), ILS RWY 28C (CAT II-III), ILS OR LOC RWY 28L, ILS RWY 28L (SA CAT I), ILS RWY 28L (CAT II-III), ILS OR LOC RWY 28R, ILS RWY 28R (CAT II-III), ILS RWY 28R (SA CAT I), ILS PRM RWY 10C, ILS PRM RWY 10C (SA CAT I), ILS PRM RWY 10C (CAT II-III), ILS PRM RWY 10R, ILS PRM RWY 28C, ILS PRM RWY 28C (SA CAT I), ILS PRM RWY 28C (CAT II-III), ILS Y OR LOC Y RWY 10R, ILS Z OR LOC Z RWY 10R, ILS Z RWY 10R (SA CAT I), ILS Z RWY 10R (CAT II-III), ILS OR LOC RWY 22L, ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II), ILS OR LOC RWY 4R, ILS OR LOC RWY 9R, ILS RWY 9R (CAT II), AND ILS RWY 9R (CAT III).
6. DELETED FIX USE IAP AT KDKB: ILS OR LOC RWY 2.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OGECA

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 423824.55N/0920501.07W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING
CHICAGO/WAUKEGAN

STATE
IL (US)

STAR
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GOPAC (RNAV)
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WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.
2. CHANGED STATE FROM WI TO IA.

03/24/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/23/2023.

1. CHANGED FIX TYPE OF ACTION FROM NO CHANGE TO MODIFY.
2. CHANGED STATE FROM WI TO IA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Mar 24, 2023

QUALITY
31
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OHLIE

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424332.94N/0901150.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL (US)

STAR
STAR
STAR
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STAR

GOPAC (RNAV)
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KUGN
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KRAC
KUES
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CHICAGO/WAUKEGAN
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EAST TROY
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MILWAUKEE
MILWAUKEE
RACINE
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WEST BEND

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REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TAAIL

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 425104.38N/0881647.38W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING

STATE
IL (US)

STAR GOPAC (RNAV)
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CHICAGO/WAUKEGAN
BURLINGTON
EAST TROY
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KENOSHA
MILWAUKEE
MILWAUKEE
RACINE
WAUKESHA
WEST BEND

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REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TALOR

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423526.16N/0873721.35W

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	MRA	MAA
1	CHICAGO HEIGHTS	CGT	VORTAC	L	356.00	358.00	64.85	64.85	4000	17500
2	BADGER	BAE	VOR/DME	H	135.00	137.00		43.00	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CGT	VORTAC	R-356	65	4000	17500
BAE	VOR/DME	R-135	43	4000	15600

FIX RESTRICTIONS:

MCA V7 5300 NORTHBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHICAGO HEIGHTS (FAC 1) AND BADGER (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V7	1, 2				(US)
IAP	ILS OR LOC RWY 23	1, 2		KUGN	CHICAGO/WAUKEGAN	IL (US)
IAP	RNAV (GPS) RWY 23			KUGN	CHICAGO/WAUKEGAN	IL (US)
IAP	ILS OR LOC RWY 7L			KENW	KENOSHA	WI (US)
IAP	RNAV (GPS) RWY 25R			KENW	KENOSHA	WI (US)
IAP	RNAV (GPS) RWY 33			KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)			KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
STAR	GOPAC (RNAV)			KUGN	CHICAGO/WAUKEGAN	IL (US)
STAR	GOPAC (RNAV)			KBUU	BURLINGTON	WI (US)
STAR	GOPAC (RNAV)			57C	EAST TROY	WI (US)
STAR	GOPAC (RNAV)			KHXF	HARTFORD	WI (US)
STAR	GOPAC (RNAV)			KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)			KMKE	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)			KMWC	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)			KRAC	RACINE	WI (US)
STAR	GOPAC (RNAV)			KUES	WAUKESHA	WI (US)
STAR	GOPAC (RNAV)			KETB	WEST BEND	WI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. CHANGED ESV BAE VOR/DME MAX ALTITUDE FROM 17500 TO 15600.
1. ADDED STAR TO REQUIRED CHARTING.
2. ADDED FIX USE STAR GOPAC (RNAV) AT KPWK, KUGN, KBUU, 57C, KHXF, KENW, KMKE, KMWC, KRAC, KUES, AND KETB.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TRUDO **STATE:** WI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 424102.48N/0882511.27W **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 FAC NM	FEET	MRA	MAA
1	BADGER	BAE	VOR/DME	H	191.00	193.00	26.64	26.64		2900	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V217	1				(US)
STAR	GOPAC (RNAV)			KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
STAR	GOPAC (RNAV)			KUGN	CHICAGO/WAUKEGAN	IL (US)
STAR	GOPAC (RNAV)			KBUJ	BURLINGTON	WI (US)
STAR	GOPAC (RNAV)			57C	EAST TROY	WI (US)
STAR	GOPAC (RNAV)			KHXF	HARTFORD	WI (US)
STAR	GOPAC (RNAV)			KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)			KMKE	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)			KMWC	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)			KRAC	RACINE	WI (US)
STAR	GOPAC (RNAV)			KUES	WAUKESHA	WI (US)
STAR	GOPAC (RNAV)			KETB	WEST BEND	WI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** MICHAEL MCCARTNEY

APPROVED BY: **DATE:** 06/15/2023 **OFFICE:** AJV-A431 **NAME:** ERIC N SUSKI

SIGNATURE: *Digitally signed by*
ERIC N SUSKI
Feb 10, 2023



RADIO FIX AND HOLDING DATA RECORD

NAME: YEDSU

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424531.39N/0891036.77W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:
USE TYPE
STAR

USE TITLE
GOPAC (RNAV)

FAC

PAT

AIRPORT IDENT
KPWK

CITY
CHICAGO/PROSPECT
HEIGHTS/WHEELING
CHICAGO/WAUKEGAN

STATE
IL (US)

STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR
STAR

GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)
GOPAC (RNAV)

KUGN
KBUU
57C
KHXF
KENW
KMKE
KMWC
KRAC
KUES
KETB

IL (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)
WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOWRO

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424622.25N/0883956.45W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W		WP	272.96	092.96	R		10	7000	14000	15	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (55-000890)	424802.02N/0890316.24W	1585	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	GOPAC (RNAV)		1	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
STAR	GOPAC (RNAV)		1	KUGN	CHICAGO/WAUKEGAN	IL (US)
STAR	GOPAC (RNAV)		1	KBUJ	BURLINGTON	WI (US)
STAR	GOPAC (RNAV)		1	57C	EAST TROY	WI (US)
STAR	GOPAC (RNAV)		1	KHXF	HARTFORD	WI (US)
STAR	GOPAC (RNAV)		1	KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)		1	KMKE	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)		1	KMWC	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)		1	KRAC	RACINE	WI (US)
STAR	GOPAC (RNAV)		1	KUES	WAUKESHA	WI (US)
STAR	GOPAC (RNAV)		1	KETB	WEST BEND	WI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. ADDED HOLDING RESTRICTION, HOLDING LIMITED TO ESTABLISHED PATTERNS.
2. ADDED REMARK, PRECIPITOUS TERRAIN EVALUATION COMPLETED.
3. ADDED FIX USE STAR GOPAC (RNAV) AT KPWK.
4. CHANGED HOLDING PAT 1 CONTROLLING OBSTRUCTION LOCATION FROM 424802.00N/0890316.00W TO 424802.02N/0890316.24W (18.01 FT WEST), ELEVATION FROM 1579 TO 1585, AND ACCURACY CODE FROM 5D TO 4D.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

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ERIC N SUSKI

Feb 10, 2023

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