

RADIO FIX AND HOLDING DATA RECORD

NAME: BIFLE

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 421344.79N/0881211.69W

TYPE: 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	FAC FEET	MRA	MAA
1	CHICAGO	I-ORD	LOC/DME		322.97	319.97	21.03	20.48		2500	7000
2	NORTHBROOK	OBK	VOR/DME	H	274.45	272.45		11.23		2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ORD	LOC/DME	R-323	22	2500	7000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHICAGO (FAC 1) AND NORTHBROOK (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	1, 2		KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED KORD FIX USE: CHANGED ILS OR LOC RWY 14R TO ILS OR LOC RWY 15; DELETED ILS RWY 14R (CAT II AND III).
ADDED DIST FROM FAC VALUES TO ALL FACILITIES.
ADDED MAG BRG TO FAC 1, CORRECTED ADMINISTRATIVE ERROR CHANGED DIST FROM FAC FROM 21.04 TO 20.48.
UPDATED REMARKS.
UPDATED FAC 2 BRG FROM 274.42/272.42 TO 274.45/272.45

DEVELOPED BY:

DATE: 01/07/2016

OFFICE: AJV-5411

NAME: KELLY DEAN

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: ORD APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: CHICAGO HEIGHTS VORTAC

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 413036.02N/0873417.57W

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	CHICAGO HEIGHTS	CGT	VORTAC	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	SE	CGT	VORTAC	156.00	336.00	R	1		2300	6000	4	5
2	SW	CGT	VORTAC	223.93	043.93	R	1		2300	6000	4	5
3	SW	CGT	VORTAC	226.27	046.27	R	1		2300	6000	4	5
4	W	CGT	VORTAC	263.90	083.90	R	1		2300	6000	4	5
5	SW	CGT	VORTAC	229.20	049.20	R	1		2300	6000	4	5
6	NW	CGT	VORTAC	332.74	152.74	R	1		2300	6000	4	5
7	SE	WP	WP	156.00	336.00	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (17-002211)	412715.00N/0874322.00W	1290	5D
1	200	TOWER (18-000501)	412552.00N/0872937.00W	1103	5D
2	200	TOWER (17-002211)	412715.00N/0874322.00W	1290	5D
3	200	TOWER (17-002211)	412715.00N/0874322.00W	1290	5D
4	200	TOWER (17-002211)	412715.00N/0874322.00W	1290	5D
5	200	TOWER (17-002211)	412715.00N/0874322.00W	1290	5D
6	200	TOWER (17-002719)	413715.00N/0874055.00W	1049	5D
7	200	TOWER (18-000501)	412552.00N/0872937.00W	1103	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2800.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FACILITY MAG VAR 2 EAST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V422					(US)
EN ROUTE	V51					(US)
EN ROUTE	V7					(US)
EN ROUTE	V8					(US)
EN ROUTE	V92					(US)
EN ROUTE	V97					(US)
IAP	LOC RWY 36		6	KIGQ	CHICAGO	IL (US)
IAP	VOR-A		5	KIGQ	CHICAGO	IL (US)
IAP	ILS OR LOC/DME RWY 13C		2	KMDW	CHICAGO	IL (US)
IAP	ILS OR LOC/DME RWY 31C		2	KMDW	CHICAGO	IL (US)
IAP	ILS OR LOC/DME RWY 4R		2	KMDW	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 13L			KMDW	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 22R			KMDW	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 31R			KMDW	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 4L			KMDW	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 10C		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 10L		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 15			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 22L			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 28L		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 4R			KORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 10C		1	KORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 10C (CAT II, III)		1	KORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 10C (SA CAT I)		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 10C (CAT II, III)		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 10C (SA CAT I)		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II, III)		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 28L (CAT II, III)		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 28L (SA CAT I)		1	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) PRM RWY 10C		7	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10C		7	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L		7	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 28L		7	KORD	CHICAGO	IL (US)
IAP	LOC/DME RWY 09			KLOT	CHICAGO/ROMEOVILLE	IL (US)
IAP	RNAV (GPS) RWY 27			KLOT	CHICAGO/ROMEOVILLE	IL (US)
IAP	RNAV (GPS) RWY 27			KC56	MONEE	IL (US)
IAP	RNAV (GPS) RWY 9			KC56	MONEE	IL (US)

QUALITY
16
CHECKED

IAP	COPTER ILS RWY 30	1	KGYG	GARY	IN (US)
IAP	ILS OR LOC RWY 30	1	KGYG	GARY	IN (US)
IAP	RNAV (GPS) Y RWY 30		KGYG	GARY	IN (US)
IAP	RNAV (GPS) RWY 26		K05C	GRIFFITH	IN (US)
IAP	VOR RWY 8	4	K05C	GRIFFITH	IN (US)
IAP	VOR OR GPS-A		KC97	LOWELL	IN (US)
IAP	ILS RWY 27		KVPZ	VALPARAISO	IN (US)
IAP	RNAV (GPS) RWY 27		KVPZ	VALPARAISO	IN (US)
SPECIAL IAP	ILS Z RWY 31C	2	KMDW	CHICAGO	IL (US)
STAR	GOSHEN		KIGQ	CHICAGO	IL (US)
STAR	GOSHEN		KMDW	CHICAGO	IL (US)
STAR	GOSHEN		KGYG	GARY	IN (US)
STAR	GOSHEN		K05C	GRIFFITH	IN (US)
STAR	GOSHEN		K3HO	HOBART	IN (US)
STAR	SHELBYVILLE		KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE		KK62	FALMOUTH	KY (US)
STAR	SHELBYVILLE		KI69	BATAVIA	OH (US)
STAR	SHELBYVILLE		KLUK	CINCINNATI	OH (US)
STAR	SHELBYVILLE		KHAO	HAMILTON	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED KORD FIX USE: DELETED ILS OR LOC RWY 14L, ILS RWY 14L (CAT II AND III), ILS RWY 14R (CAT II AND III), AND ILS OR LOC RWY 32R; CHANGED ILS OR LOC RWY 14R TO ILS OR LOC RWY 15.

DEVELOPED BY: **DATE:** 12/17/2015 **OFFICE:** AJV-5411 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAU
ATC FACILITY: ORD, MDW
OTHER:

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHSTR

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 420324.03N/0880028.17W

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	FAC FEET	MRA	MAA
1	CHICAGO	I-ORD	LOC/DME		322.97	319.97	7.50	6.95	42203	2400	5100
2	NORTHBROOK	OBK	VOR/DME	H	196.22	194.22		10.20		2400	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHICAGO (FAC 1) AND NORTHBROOK (FAC 2) USED TO ESTABLISH FIX COORDINATES
FAC # 1 DME COORDINATES 415737.70N/875402.10W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 15			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED KORD FIX USE: CHANGED ILS OR LOC RWY 14R TO ILS OR LOC RWY 15; DELETED ILS RWY 14R (CAT II AND III); CHANGED RNAV (GPS) RWY 14R TO RNAV (GPS) RWY 15.
UPDATED REMARKS. CORRECTED ADMINISTRATIVE ERROR; FAC 1 DIST FROM FAC FROM 7.50 TO 6.95.

DEVELOPED BY: DATE: 01/07/2016 OFFICE: AJV-5411 NAME: KELLY DEAN

APPROVED BY: DATE: OFFICE: AJV-5420 NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: CHICAGO APP CON, ORD ATCT
OTHER:

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CUBGO

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 421919.49N/0881834.35W

TYPE: 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	FAC FEET	MRA	MAA
1	CHICAGO	I-ORD	LOC/DME		322.97	319.97	28.35	27.79		2500	7000
2	NORTHBROOK	OBK	VOR/DME	H	292.87	290.87		17.05		2500	17500
3	DUPAGE	DPA	VOR/DME	L	002.00	004.00		25.96		2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ORD	LOC/DME	R-323	29	2500	7000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHICAGO (FAC 1) AND DUPAGE (FAC 3) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	1, 2, 3		KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED KORD FIX USE: CHANGED ILS OR LOC RWY 14R TO ILS OR LOC RWY 15; DELETED ILS RWY 14L (CAT II AND III).
ADDED DIST FROM FAC VALUES TO ALL FACILITIES.
ADDED MAG BRG FOR FAC 1 -3.
UPDATED REMARKS.

DEVELOPED BY:

DATE: 01/06/2016

OFFICE: AJV-5411

NAME: KELLY DEAN

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: ORD APP CON
OTHER:

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FARMM

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 422009.58N/0882133.92W

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 NM	FAC FEET	MRA	MAA
1	NORTHBROOK	OBK	VOR/DME	H	292.87	290.87	19.42	19.42		2700	17500
2	CHICAGO O'HARE	ORD	VOR/DME	L	314.00	316.00	29.12	29.12		2500	17500
3	DUPAGE	DPA	VOR/DME	L	357.12	359.12		26.73		2500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHICAGO O'HARE (FAC 2) AND NORTHBROOK (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V217-228	1, 2, 3				(US)
EN ROUTE	V24-100-228	1, 2, 3				(US)
EN ROUTE	V24-97	1, 2, 3				(US)
IAP	ILS OR LOC RWY 15	1		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 15			KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 16			KPWK	CHICAGO/PROSPECT HGTS/WHEELING	IL (US)
IAP	RNAV (GPS) RWY 20L			KDPA	CHICAGO/WEST CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 20R			KDPA	CHICAGO/WEST CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 20			KDKB	DE KALB	IL (US)
IAP	RNAV (GPS) RWY 27			KDKB	DE KALB	IL (US)
IAP	RNAV (GPS) RWY 7L			KENW	KENOSHA	WI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED KORD FIX USE: DELETED ILS OR LOC RWY 14L, ILS RWY 14L (CAT II AND III), RNAV (GPS) RWY 14L, AND ILS RWY 14R (CAT II AND III) PROCEDURES; CHANGED ILS OR LOC RWY 14R TO ILS OR LOC RWY 15 AND RNAV (GPS) RWY 14R TO RNAV (GPS) RWY 15.

DEVELOPED BY:

DATE: 12/16/2015

OFFICE: AJV-5411

NAME: KELLY DEAN

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: MKE APP CON
OTHER: CHI APP CON

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LISKE

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 414505.44N/0875745.54W

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	NORTHBROOK	OBK	VOR/DME	H	183.01	181.01	28.18	28.18		2500	17500
2	CHICAGO HEIGHTS	CGT	VORTAC	L	307.59	309.59	22.79	22.79		2500	17500
3	CHICAGO O'HARE	ORD	VOR/DME	L	188.39	190.39	14.40	14.40		2500	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	S	ORD	VOR/DME	188.38	008.38	R	1		4000	14000	5	11
2	S	OBK	VOR/DME	182.99	002.99	R	1		4000	14000	5	11
3	S		WP	188.38	008.38	R		4	4000	14000	5	11
4	S		WP	181.99	001.99	R		4	2500	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (17-003567)	414904.71N/0875919.53W	1249	5D
2	200	TOWER (17-003567)	414904.71N/0875919.53W	1249	5D
3	200	TOWER (17-003567)	414904.71N/0875919.53W	1249	5D
4	200	TOWER (17-003567)	414904.71N/0875919.53W	1249	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

NORTHBROOK (FAC 1) AND CHICAGO HEIGHTS (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V191	1, 2, 3				(US)
IAP	RNAV (GPS) 31C		4	KMDW	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 15	2, 3	1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 15 (ALT MISSED)	1, 3	2	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 15		3	KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED KORD FIX USE: CHANGED ILS OR LOC RWY 14R TO ILS OR LOC RWY 15; DELETED ILS RWY 14R (CAT II AND III); CHANGED RNAV (GPS) RWY 14R TO RNAV (GPS) RWY 15.
UPDATED REMARKS.

DEVELOPED BY:

DATE: 01/07/2016

OFFICE: AJV-5411

NAME: KELLY DEAN

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: CHICAGO APP CON
OTHER: ORD ATCT

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MISCH

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 420920.41N/0880711.43W

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	FAC FEET	MRA	MAA
1	CHICAGO	I-ORD	LOC/DME		322.97	319.97	15.27	14.71		2500	5000
2	NORTHBROOK	OBK	VOR/DME	H	244.29	242.29		8.47		2500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHICAGO (FAC 1) AND NORTHBROOK (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 15			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED KORD FIX USE: CHANGED ILS OR LOC RWY 14R TO ILS OR LOC RWY 15; DELETED ILS RWY 14R (CAT II AND III); CHANGED RNAV (GPS) RWY 14R TO RNAV (GPS) RWY 15.

ADDED MAG/TRUE BRG TO FAC 1.

UPDATED REMARKS. CORRECTED ADMINISTRATIVE ERROR; FAC 1 DIST FROM FAC FROM 15.28 TO 14.71.

DEVELOPED BY:

DATE: 01/07/2016

OFFICE: AJV-5411

NAME: KELLY DEAN

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZAU

ATC FACILITY: CHICAGO APP CON, ORD ATCT

OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: NORTHBROOK VOR/DME

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 421316.96N/0875705.83W

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	FAC FEET	MRA	MAA
1	NORTHBROOK	OBK	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 LENGTH TIME	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	6	7
3	W		WP	272.00	092.00	R		6	4000	13000	7	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D
1	230	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D
1	310	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D
2	230	TOWER (17-000314)	422335.00N/0880105.00W	1186	2C
3	230	TOWER (17-000994)	421412.00N/0880416.00W	1360	4D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3400.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 27R (SA CAT I)	KORD	CHICAGO	IL (US)
1	ILS RWY 9L (SA CAT I)	KORD	CHICAGO	IL (US)
1	ILS RWY 27R (CAT II)	KORD	CHICAGO	IL (US)
1	ILS RWY 27R (CAT III)	KORD	CHICAGO	IL (US)
1	ILS RWY 9L (CAT II)	KORD	CHICAGO	IL (US)
1	ILS RWY 9L (CAT III)	KORD	CHICAGO	IL (US)
1	ILS OR LOC RWY 9L	KORD	CHICAGO	IL (US)
1	ILS OR LOC RWY 22R (ALT MISSED)	KORD	CHICAGO	IL (US)
1	ILS OR LOC RWY 27R	KORD	CHICAGO	IL (US)

REMARKS:

HOLDING PATTERNS CIVIL AND MILITARY USE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
DP	MITCHELL			KMKE	MILWAUKEE	WI (US)
EN ROUTE	J100					IL (US)
EN ROUTE	J101					IL (US)
EN ROUTE	J128					IL (US)
EN ROUTE	J19					IL (US)
EN ROUTE	J35					IL (US)
EN ROUTE	J547					IL (US)
EN ROUTE	J584					IL (US)
EN ROUTE	J71					IL (US)
EN ROUTE	J73					IL (US)
EN ROUTE	J84					IL (US)
EN ROUTE	J87					IL (US)
EN ROUTE	J89					IL (US)
EN ROUTE	J90					IL (US)
EN ROUTE	J94					IL (US)
EN ROUTE	V100					IL (US)
EN ROUTE	V191					IL (US)
EN ROUTE	V228					IL (US)
EN ROUTE	V24					IL (US)
EN ROUTE	V526					IL (US)
EN ROUTE	V84					IL (US)
IAP	ILS OR LOC RWY 10C			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 10L			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 15			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 22L			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 22R (ALT MISSED)		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 27L			KORD	CHICAGO	IL (US)

QUALITY
16
CHECKED

IAP	ILS OR LOC RWY 27R	1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 28C		KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 28R		KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 4R		KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 9L	1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 9R		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10C (CAT II)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10C (CAT III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10C (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 27L (CAT II)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 27L (CAT III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 27R (CAT II)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 27R (CAT III)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 27R (SA CAT I)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 28C (CAT II)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28C (CAT III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28C (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28R (CAT II)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28R (CAT III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28R (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1	KORD	CHICAGO	IL (US)
IAP	LOC RWY 4L	1	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 4L	3	KORD	CHICAGO	IL (US)
IAP	VOR RWY 26		K3CK	CHICAGO/LAKE IN THE HILLS	IL (US)
IAP	VOR-A		K3CK	CHICAGO/LAKE IN THE HILLS	IL (US)
IAP	ILS OR LOC RWY 16	2	KPWK	CHICAGO/PROSPECT HGTS/WHEELING	IL (US)
IAP	VOR RWY 16	2	KPWK	CHICAGO/PROSPECT HGTS/WHEELING	IL (US)
IAP	LOC RWY 2		KLOT	CHICAGO/ROMEOVILLE	IL (US)
IAP	ILS RWY 23		KUGN	CHICAGO/WAUKEGAN	IL (US)
IAP	ILS OR LOC RWY 2		KDKB	DE KALB	IL (US)
IAP	RNAV (GPS)-B		KC81	GRAYSLAKE	IL (US)
IAP	VOR-A		KC81	GRAYSLAKE	IL (US)
IAP	VOR-A		K10C	GREENWOOD/WONDER LAKE	IL (US)
IAP	VOR-A (SPECIAL)		K82IS	HUNTLEY	IL (US)
IAP	RNAV (GPS) RWY 7L		KENW	KENOSHA	WI (US)
IAP	RNAV (GPS) RWY 23		KC02	LAKE GENEVA	WI (US)
IAP	RNAV (GPS) RWY 32		KRAC	RACINE	WI (US)
STAR	JANESVILLE		KORD	CHICAGO	IL (US)
STAR	PAITN		KORD	CHICAGO	IL (US)
STAR	SHELBYVILLE		KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE		KK62	FALMOUTH	KY (US)
STAR	SHELBYVILLE		KI69	BATAVIA	OH (US)
STAR	SHELBYVILLE		KLUK	CINCINNATI	OH (US)
STAR	SHELBYVILLE		KHAO	HAMILTON	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED KORD FIX USE: DELETED ILS OR LOC RWY 14L AND ILS RWY 14L (CAT II AND III), ILS RWY 14R (CAT II AND III), ILS OR LOC RWY 32R, AND RNAV (GPS) RWY 32R PROCEDURES; CHANGED ILS OR LOC RWY 14R TO ILS OR LOC RWY 15.

DEVELOPED BY: **DATE:** 12/16/2015 **OFFICE:** AJV-5411 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAU
ATC FACILITY: CHICAGO APP CON/ORD TOWER
OTHER:

QUALITY
16
CHECKED