Flight Procedure Tracking Form

Action:	Task Type:	Date Open:	Task #:	Request #:
FLIGHT CHECK	IAP	04/16/2012	2010030518687701011	20100305186877

Procedure: RNAV (GPS) RWY 9 L AMDT 2

Airport ID: KORD **Airport:** CHICAGO-O'HARE INTL **Reimbursable #:**

City: CHICAGO **ST:** IL **GPS #:** **Estimated Chart Date:** 05/02/2013 **FICO #:**

Fac ID: **Fac. Type:** LPV-200 HAT **Specialist:** THOMAS KIRKPATRICK

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/23/2012	01/07/2013	JILL OLSON	
QA:	01/07/2013	01/17/2013	DAVID PUGLISI	
Liaison:	01/17/2013		Spurl	

21

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pkg 3 of 6

CHICAGO, IL CHICAGO-O'HARE INTL (KORD) RNAV (GPS) RWY 9L, AMDT 2 (LPV) ENROUTE-NO FC: 3.19.13 PUB: 5.2.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): DEERE-INT, REV 9; DOOGY-INT, REV 2; ESSSS-INT, ORIG; GIBNS, ORIG; ILIUM-INT, ORIG; JHONN-INT, ORIG; OGSIE-INT, REV 2; TRYXI-INT, REV 2; VNDER-INT, ORIG; (INFO ONLY) ZENAH-INT, REV 1.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

WAAS	APP CRS	Rwy Idg	7500
CH 99508	093°	THRE	668
W09B		Apt Elev	672

RNAV (GPS) RWY 9L
CHICAGO-O'HARE INTL (ORD)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C (-5°F) or above 54°C (130°F). Simultaneous approach authorized with Rwy 9R and Rwy 10L. DME/DME RNP-0.3 NA. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2

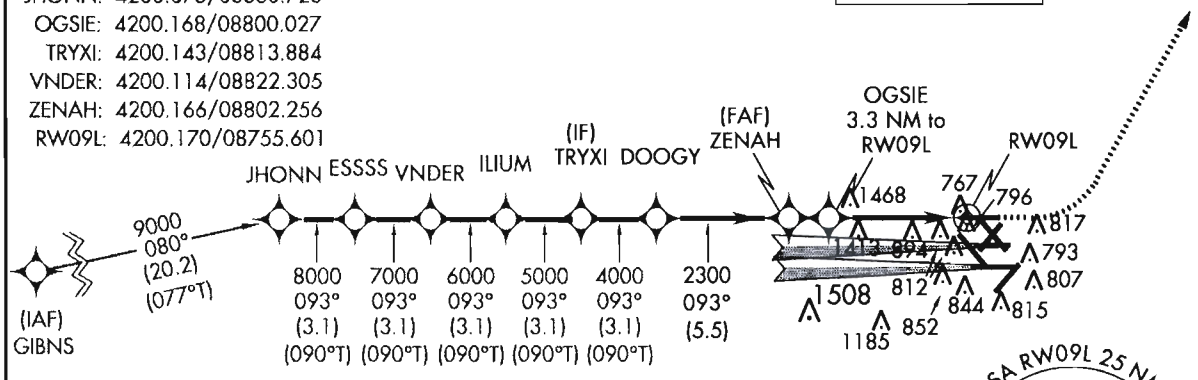
MISSED APPROACH: Climb to 1100 then climbing left turn to 4000 direct DEERE and hold.

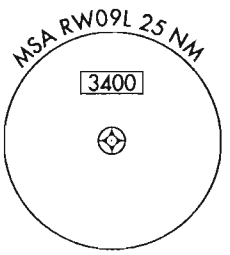
ATIS	CHICAGO APP CON	O'HARE TOWERS	(TWR NORTH) GND CON (TWR CENTER)	CLNC DEL
135.4 282.225	119.0 393.1	128.15 (Rwy 9L/27R) 120.75 126.9 132.7 348.0 (CENTER)	124.125 121.75 (OBND) 121.9 (IBND) 226.675	121.6

DEERE: 4211.948/08736.234
DOOGY: 4200.153/08809.673
ESSSS: 4200.096/08826.516
GIBNS: 4155.672/08857.101
ILIUM: 4200.130/08818.095
JHONN: 4200.075/08830.726
OGSIE: 4200.168/08800.027
TRYXI: 4200.143/08813.884
VNDER: 4200.114/08822.305
ZENAH: 4200.166/08802.256
RW09L: 4200.170/08755.601

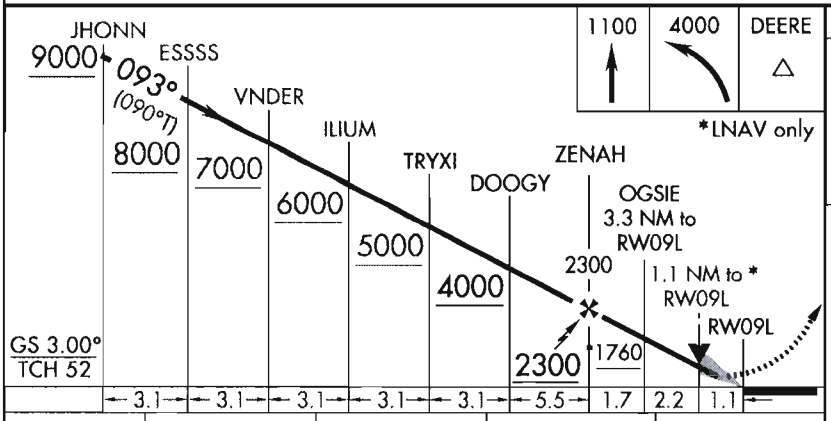
RADAR REQUIRED

MISSED APCH FIX
4 NM
039° (036°T)
219° (216°T)
DEERE





PROTOTYPE: NOT FOR NAVIGATION



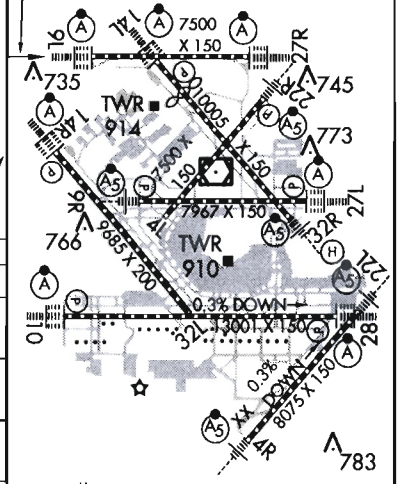
1100	4000	DEERE
↑	↰	△

*LNAV only

CATEGORY	A	B	C	D
LPV DA	868/24 200 (200-½)			
LNAV/VNAV DA	1035/40 367 (400-¾)			
LNAV MDA	1080/24 412 (500-½)		1080/40 412 (500-¾)	
CIRCLING	1220-1 548 (600-1)		1220-1½ 548 (600-1½)	1240-2 568 (600-2)

ELEV 672 D THRE 668

093° to RW09L



HIRL all Rwys
TDZ/CL all Rwys except 4L and 32L

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GIBNS (IAF)	JHONN (FB)	080.24 / 20.16	9000
JHONN	ESSSS (FB)	092.60 / 3.14	8000
ESSSS	VNDER (FB)	092.65 / 3.14	7000
VNDER	ILIUM (FB)	092.69 / 3.14	6000
ILIUM	TRYXI (FB)	092.74 / 3.14	5000
TRYXI (IF)	DOOGY (FB)	092.78 / 3.14	4000
DOOGY	ZENAH (FB)	092.83 / 5.53	2300
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW09L

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 4000 DIRECT DEERE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JHONN
3. FAC: 092.92 FAF: ZENAH DIST FAF TO MAP: 4.96 THLD: 4.96
4. MIN. ALT: JHONN 9000, ESSSS 8000, VNDER 7000, ILIUM 6000, TRYXI 5000, DOOGY 4000, ZENAH 2300, (SEE FORM 8260-10)
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: ZENAH 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.8 34:1 IS CLEAR
8. MSA FROM: RW09L 3400

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 219.06 INBOUND.
CHART FAS OBST: 796 POLE 415943N/0875537W
CHART 1460 TOWER 420042N/0880207W.
OBST: 919 AAO 420017N/0880023W
CHART LOC RWY 9R/10L.
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
CHART VDP AT 1.13 MILES TO RW09L*
*LNAV ONLY.
WAAS CHANNEL # 99508
REFERENCE PATH ID: W09B
LTP HAE: 170 M

MAG VAR: 3W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	868	2400	200	868	2400	200	868	2400	200	868	2400	200			
LNAV/VNAV DA	1035	4000	367	1035	4000	367	1035	4000	367	1035	4000	367			
LNAV MDA	1080	2400	412	1080	2400	412	1080	4000	412	1080	4000	412			
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 9R AND RWY 10L.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 668 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CHICAGO, IL	CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 9L, AMDT 2	AMDT: 1
				DATED 05/31/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] ZAU, CHICAGO APP CON, ORD ATCT, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
THOMAS L KIRKPATRICK	AJV-353	10/16/2012

APPROVED BY		
NAME:	FIFO	DATE:
LARRY H STROUT MANAGER	AJV-353	

CHANGES:

1. ADD GIBNS, JHONN, ESSSS, VNDER, ILIUM AS INITIALS AND MIN ALTITUDES FOR EACH.
2. CHANGED TRYXI TO DOOGY COURSE/DISTANCE FROM 092.79/4.31 TO 092.78/3.14.
3. DOOGY TO ZENAH COURSE/DISTANCE CHANGED FROM 092.82/6.59 TO 092.83/5.53.
4. CHANGED LNAV/VNAV DA/HATH FROM 1036/368 TO 1035/367 ALL CATS.
5. CHANGED LOW/HIGH TEMP LIMITS FROM -22C (-7F)/35C (095F) TO -21C (-5F)/54C (130F).
6. CHANGED ALL REFERENCE OF RWY 10 TO RWY 10L.

REASONS:

1-3. ATC REQUEST TO MATCH ILS PROCEDURE, SAME RUNWAY.
4. VNAV SLOPE CHANGED FROM 24.08 TO 23.96.
5. LOW TEMP DERIVED FROM YEARS 2007-2011, HIGH TEMP DERIVED FROM AFS 420 CALCULATOR.
6. NEW DESIGNATION.

PDF EDITS:
ADD (FAF) AFTER ZENAH, REMOVE 1760* FROM ALTITUDE COLUMN. REMOVE "NA" FROM LINE 1.

QUALITY 9 CHECKED

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LINE 4, (CONT.):
OGSIE/3.30 NM TO RW09L 1760*

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZENAH (FAF)	OGSIE/3.30 NM TO RW09L (FB)	092.92 / 1.66	
OGSIE/3.30 NM TO RW09L	RW09L (MAP) (FO)	092.92 / 3.30	
RW09L (MAP)	1100 MSL	092.92	1100
1100 MSL	DEERE (FO)		4000

NOTES, (CONT.):
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 668	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHICAGO, IL	AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 9L, AMDT 2	AMDT: 1
				DATED: 05/31/2012

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:

APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORD
RUNWAY	RW09L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09B
LTP/FTP LATITUDE	420010.1945N
LTP/FTP LONGITUDE	0875536.0330W
LTP/FTP ELLIPSOIDAL HEIGHT	+01700
FPAP LATITUDE	420010.1900N
FPAP LONGITUDE	0875336.5200W
THRESHOLD CROSSING HEIGHT (TCH)	00051.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	55B23EEB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02036
FPAP ORTHOMETRIC HEIGHT	+02036

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 668	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHICAGO, IL	AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 9L, AMDT 2	AMDT: 1
				DATED: 05/31/2012

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:

APPROVED BY

NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DEERE K50    C   L N42115688W087361405                      W0038     NAR           DEERE
        SUSAEAENRT   DOOGY K50    C     N42000919W088094035                      W0033     NAR           DOOGY
        SUSAEAENRT   ESSSS K50    C     N42000576W088263094                      W0031     NAR           ESSSS
        SUSAEAENRT   GIBNS K50    W   L N41554032W088570606                      W0026     NAR           GIBNS
        SUSAEAENRT   ILIUM K50    C     N42000778W088180568                      W0032     NAR           ILIUM
        SUSAEAENRT   JHONN K50    C     N42000451W088304354                      W0030     NAR           JHONN
        SUSAEAENRT   OGSIE K50    C     N42001007W088000160                      W0034     NAR           OGSIE
        SUSAEAENRT   TRYXI K50    C     N42000856W088135302                      W0032     NAR           TRYXI
        SUSAEAENRT   VNDER K50    C     N42000685W088221832                      W0031     NAR           VNDER
        SUSAEAENRT   ZENAH K50    C     N42000995W088021533                      W0034     NAR           ZENAH

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORDK5AORD     0     130YHN41585394W087542402W003000672         1800018000C    MNAR    CHICAGO O'HARE INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORDK5FR09L  AGIBNS 010GIBNSK5EA0E  A    IF                                                18000                 A JS
        SUSAP KORDK5FR09L  AGIBNS 020JHONNK5EA0E    010TF                    08020202    + 09000                                A JS
        SUSAP KORDK5FR09L  AGIBNS 030ESSSSK5EA0E    010TF                    09260031    + 08000                                A JS
        SUSAP KORDK5FR09L  AGIBNS 040VNDERK5EA0E    010TF                    09270031    + 07000                                A JS
        SUSAP KORDK5FR09L  AGIBNS 050ILIUMK5EA0E    010TF                    09270031    + 06000                                A JS
        SUSAP KORDK5FR09L  AGIBNS 060TRYXIK5EA0EE B 010TF                    09270031    + 05000                                A JS
        SUSAP KORDK5FR09L  R      010TRYXIK5EA0E  I    IF                                + 05000     18000                      A JS
        SUSAP KORDK5FR09L  R      011DOOGYK5EA0E S  051TF                    09280031    + 04000                                A JS
        SUSAP KORDK5FR09L  R      020ZENAHK5EA1E  F 051TF                    09280055    + 02300                  RW09L K5PGA JS
        SUSAP KORDK5FR09L  R      020ZENAHK5EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KORDK5FR09L  R      021OGSIEK5EA0E S  031TF                    09290017    V 0176001771        -300              A JS
        SUSAP KORDK5FR09L  R      030RW09LK5PG0GY M 031TF                    09290033      00720             -300              A JS
        SUSAP KORDK5FR09L  R      040         0  M     CA                    0929        + 01100                                A JS
        SUSAP KORDK5FR09L  R      050DEEREK5EA0EY  L   DF                                + 04000                                A JS
        SUSAP KORDK5FR09L  R      060DEEREK5EA0EE  R   HM                    21910040    + 04000                                A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORDK5GRW09L   0075000930 N42001019W087553603-0100    +0170000668000052150I

                1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 668	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CHICAGO, IL	AIRPORT NAME: **CHICAGO O'HARE INTL**	**RNAV**	**RNAV (GPS) RWY 9L, AMDT 2**	AMDT: **1**
				DATED: **05/31/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KORDK5PR09L  RW09L001 0000W09B0N4200101945W08755360330+017000300N4200101900W0875336520010675046400051 8F40035055B23EEB
        SUSAP KORDK5PR09L  RW09L002E      +02036+02036LPV       99508

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KORDK5SRW09LK5PG               0   18018003425                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 668	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CHICAGO, IL	AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 9L, AMDT 2	AMDT: 1
				DATED: 05/31/2012

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GIBNS	GIBNS	010	IAF	IF		FB					
	GIBNS	JHONN	020		TF		FB	1.0	080.2(077.2T)	020.2	AA 09000	
	GIBNS	ESSSS	030		TF		FB	1.0	092.6(089.6T)	003.1	AA 08000	
	GIBNS	VNDER	040		TF		FB	1.0	092.7(089.7T)	003.1	AA 07000	
	GIBNS	ILIUM	050		TF		FB	1.0	092.7(089.7T)	003.1	AA 06000	
	GIBNS	TRYXI	060		TF		FB	1.0	092.7(089.7T)	003.1	AA 05000	
		TRYXI	010	FACF	IF		FB				AA 05000	
		DOOGY	011	SDF	TF		FB	0.5	092.8(089.8T)	003.1	AA 04000	
		ZENAH	020	FAF	TF		FB	0.5	092.8(089.8T)	005.5	AA 02300	
		OGSIE	021	SDF	TF		FB	0.3	092.9(089.9T)	001.7	AA 01760 GS 01771	
		RW09L	030	MAP	TF		FO	0.3	092.9(089.9T)	003.3	AT 00720	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		092.9(089.9T)		AA 01100	
	DEERE	050		DF	L	FO				AA 04000	
	DEERE	060		HM	R	FO		219.1(216.1T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DEERE	N421156.88	W0873614.05	N4211.948	W08736.234
	DOOGY	N420009.19	W0880940.35	N4200.153	W08809.673
	ESSSS	N420005.76	W0882630.94	N4200.096	W08826.516
	GIBNS	N415540.32	W0885706.06	N4155.672	W08857.101
	ILIUM	N420007.78	W0881805.68	N4200.130	W08818.095
	JHONN	N420004.51	W0883043.54	N4200.075	W08830.726
	OGSIE	N420010.07	W0880001.60	N4200.168	W08800.027
	TRYXI	N420008.56	W0881353.02	N4200.143	W08813.884
	VNDER	N420006.85	W0882218.32	N4200.114	W08822.305
	ZENAH	N420009.95	W0880215.33	N4200.166	W08802.256
	RW09L	N420010.19	W0875536.03	N4200.170	W08755.601

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09L	00668	52

CITY AND STATE	ELEVATION: 672 THRE: 668	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CHICAGO, IL	AIRPORT NAME: **CHICAGO O'HARE INTL**	**RNAV**	**RNAV (GPS) RWY 9L, AMDT 2**	AMDT: **1**
				DATED: **05/31/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	NFPG	DATE:

APPROVED BY

NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	GIBNS	JHONN	1. WNDML (17-020874)	415220.82N/0885511.13W	1353 (4D)	1000	AT6647	9000
			2. TERRAIN	415209.00N/0885530.00W	978 (1000)		AS1500	2500
INITIAL: STEPDOWN	JHONN	ESSSS	3. TOWER (17-000651)	420112.00N/0882903.00W	1373 (4D)	1000	AT5627	8000
			4. TERRAIN	420112.00N/0882903.00W	1063 (1100)		AS1500	2600
INITIAL: STEPDOWN	ESSSS	VNDER	5. TOWER (17-001565)	420111.70N/0882252.99W	1386 (1A)	1000	AT4614	7000
			6. TERRAIN	415918.00N/0882624.00W	955 (1000)		AS1500	2500
INITIAL: STEPDOWN	VNDER	ILIUM	5. TOWER (17-001565)	420111.70N/0882252.99W	1386 (1A)	1000	AT3614	6000
			7. TERRAIN	420203.00N/0882209.00W	909 (900)		AS1500	2400
INITIAL: STEPDOWN	ILIUM	TRYXI	8. TOWER (17-002327)	420050.00N/0881707.00W	1149 (5D)	1000	AT2851	5000
			9. TERRAIN	420151.00N/0881800.00W	824 (800)		AS1500	2300
INTERMEDIATE	TRYXI	DOOGY	10. TOWER (17-001845)	415954.00N/0881433.00W	1136 (5D)	500	AT2364	4000
			11. TERRAIN	415918.00N/0881251.00W	863 (900)		AS1500	2400
INTERMEDIATE: STEPDOWN	DOOGY	ZENAH	12. TOWER (17-000283)	420042.00N/0880207.00W	1460 (2D)	500	AT340	2300
			13. TERRAIN	420133.00N/0880724.00W	854 (900)		AS1000	1900
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW09L	DEERE				ASC		4000
			17. TOWER (17-001986)	420337.00N/0875151.00W	1015 (5D)	1000		2100
ELEV:	702/874/980		18. TERRAIN	420748.00N/0874848.00W	689 (700)		AS1500	2200

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	548	19. ATCT (17-021308)	415946.43N/0875456.75W	914 (1A)	300		1220
CATEGORY B	1.5 NM	450	548	19. ATCT (17-021308)	415946.43N/0875456.75W	914 (1A)	300		1220
CATEGORY C	1.7 NM	450	548	19. ATCT (17-021308)	415946.43N/0875456.75W	914 (1A)	300		1220
CATEGORY D	2.3 NM	550	568	19. ATCT (17-021308)	415946.43N/0875456.75W	914 (1A)	300	HAA	1240
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW09L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	BLDG (17-000687)	123/ 15.0	2325 (2D)	3400					

QUALITY 9

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
CHICAGO, IL	ELEVATION: 672 AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 9L, AMDT 2	CHECKED AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
CHICAGO APP CON ORD TOWER SATISFACTORY ON:	[ ] NWS OTHER: ASOS [ ] FAA [ ] A/C	SOURCE: KORD DISTANCE: HOURS REMOTE OPERATION:
[X] VHF [X] UHF [ ] HF	LOCATION: KORD	ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		
	X	ALSF-2 09L, 28C, 14L, 10C, 14R, 27C, 10R, 09C, 27R, 28L
		(S) SALS
	X	MALSR 04R, 22R, 32R, 22L
	X	HIRL 09L, 28C, 04R, 14L, 10C, 14R, 22R, 04L, 27C, 32R, 10R, 32L, 09C, 22L, 27R, 28L
		MIRL
		REIL
	X	TDZ 09L, 04R, 14L, 14R, 22R, 32R, 22L, 27R
	X	C/L 09L, 04R, 14L, 14R, 22R, 04L, 32R, 32L, 22L, 27R
	X	OTHER (SPECIFY) PAPI-4L 28C, 14L, 10C, 14R, 22R, 22L

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 04R, 14L, 14R, 22R, 04L, 32R, 32L, 22L
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	09L, 04R, 14L, 14R, 22R, 04L, 32R, 32L, 22L, 27R
	MIDFIELD	09L, 04R, 14L, 14R, 32R, 32L, 22L, 27R
	ROLL OUT	09L, 04R, 14L, 14R, 22R, 04L, 32R, 32L, 22L, 27R

8. GLIDE PATH		
GP ANGLE: 3.00	ELEV RWY THRESHOLD: 668.0	
DISTANCE FROM RWY:	ELEV GP ANTENNA:	
	THRESHOLD CROSSING HEIGHT: 51.8	

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: **NONE**

PART D - PREPARED BY:	DATE:
THOMAS L KIRKPATRICK	10/16/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 919 AAO 420017N/0880023W

VGSI DATA: NONE.

NO ADDITIONAL AIRSPACE REQUIRED.

PER AIR TRAFFIC REQUEST, RADAR VECTORS TO JOIN SIAP; NO FEEDERS/TAA.

PER AIR TRAFFIC REQUEST, ALL INITIAL AND INTERMEDIATE FIXES WHERE LOCATED USING THE TANGENT OF RWY 10L 4000 - 9000 FT FIXES.

AVERAGE COLD TEMPERATURE BASED ON 5 YEAR HISTORY: 2011: -4F, 2010: 2F, 2009: -18F, 2008: -6F, 2007: -10, AVG -7.2F=(-21C).

LPV SLOPE: 34:1
LNAV/VNAV SLOPE: 23.96:1

BARO-VNAV NA BELOW -22C (-5F) OR ABOVE 54C (130F).
ACT -21.77.
HIGH TEMPERATURE LIMITS DERIVED FROM AFS-400 CALCULATOR.

XP34: CURRENT MDA

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE:	DOOGY	ZENAH	14. AAO	420133.00N/0880724.00W	1054 (4E)	500	AT746	2300
STEPDOWN			13. TERRAIN	420133.00N/0880724.00W	854 (900)		AS1000	1900
FINAL: LPV	ZENAH	RW09L				ASC		868/200
FINAL: LNAV/VNAV	ZENAH	RW09L	15. BLDG (KORD0217)	415955.96N/0875654.77W	761 (1A)	23.96:1		1035/367
FINAL: LNAV	ZENAH	OGSIE/3.30 NM TO	12. TOWER (17-000283)	420042.00N/0880207.00W	1460 (2D)	250	AC50	1760
		RW09L						
FINAL: LNAV STEPDOWN	OGSIE/3.30 NM TO	RW09L	16. POLE (KORD0284)	415943.08N/0875537.47W	796 (2C)	250	XP34	1080
	RW09L							

3. MISSED APPROACH				
	MAP:			
	ELEV:			

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.			
			REQUIRED	ACTUAL	
CATEGORY A	1.3 NM		350		
CATEGORY B	1.5 NM		450		
CATEGORY C	1.7 NM		450		
CATEGORY D	2.3 NM		550		
CATEGORY E	4.5 NM		550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
CHICAGO, IL	ELEVATION: 672 AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 9L, AMDT 2	AGL

QUALITY CHECKED 9

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS ☐ FAA ☐ A/C OTHER:	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING	☐	**ALS**
	☐	**(S) SALS**
	☐	**MALS**
	☐	**HIRL**
	☐	**MIRL**
	☐	**REIL**
	☐	**TDZ**
	☐	**C/LINE**
	☐	**OTHER (SPECIFY)**

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING	☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DEERE **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 421156.88N/0873614.05W **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	DIST FROM FAC FEET	MRA	MAA
1	NORTHBROOK	OBK	VOR/DME	H	096.80	094.80	15.56	15.56		2500	17500
2	CHICAGO HEIGHTS	CGT	VORTAC	L	356.00	358.00	41.35	41.35		2500	17500
3	CHICAGO O'HARE	ORD	VOR/DME	L	044.57	046.57	18.48	18.48		2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CGT	VORTAC	R-356	42	2500	17500

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	ORD	VOR/DME	044.57	224.57	R	1		4000	8000	6	10
2	NE		WP	039.06	219.06	R		4	4000	8000	5	9
3	NE		WP	038.06	218.06	R		4	2100	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	206' SHIP	421111.00N/0874000.00W	784	4E
2	200	206' SHIP	421111.00N/0874000.00W	784	4E
3	200	206' SHIP	421111.00N/0874000.00W	784	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V100-526	1, 2, 3				(US)
EN ROUTE	V7	1, 2, 3				(US)
IAP	ILS OR LOC RWY 9L	2, 3	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 09L (CAT II)	2, 3	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 09L (CAT III)	2, 3	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	2, 3	1	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L		2	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 16		3	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
CHANGED PATTERN 1 MIN/MAX TEMPLATE FROM 5/9 TO 6/10, AND PAT 3 MIN TEMPLATE FROM 4 TO 5.
ADD FIX USE.

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

QUALITY 9 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DOOGY **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 420009.19N/0880940.35W **TYPE:** WP, RADAR, 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	DIST FROM FAC FEET	MRA	MAA
1	CHICAGO	I-SAJ	LOC/DME		272.99	269.99	10.34	11.89		4000	5100
2	NORTHBROOK	OBK	VOR/DME	H	217.57	215.57		16.12		4000	5100

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

REMARKS:
CHICAGO (FAC 1) AND NORTHBROOK (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-SAJ DME LOCATED AT 420014.10N/0875548.23W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
UPDATE FIX COORDINATES, FIX MOVED 1.06 NM EAST (FIX NAME RETAINED AT ATC REQUEST).
CHANGED FAC 1: TYPE TO LOC/DME, DME TO 10.34, DIST FROM FAC TO 11.89.
CHANGED FAC 2: MAG/TRUE BRG TO 217.57/215.57, DIST FROM FAC TO 16.12.
CHANGED GS ESV DISTANCE TO 11.
ADD FIX USE.

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: ESSSS **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 420005.76N/0882630.94W **TYPE:** WP, RADAR, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CHICAGO	I-SAJ	LOC/DME		272.99	269.99	22.90	24.45		8000	8000
2	DUPAGE	DPA	VOR/DME	L	326.41	328.41		7.83		8000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SAJ	LOC/DME	R-273	25	8000	8000

REMARKS:
CHICAGO (FAC 1) AND DUPAGE (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-SAJ DME COORDINATES: 420014.10N/0875548.23W
ASSOCIATED DME (I-ABU) ESV DISTANCE: 23NM.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

QUALITY 9 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GIBNS **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415540.32N/0885706.06W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 9L			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 9R			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 9L (CAT II)			KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)			KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)			KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9R			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: ILIUM **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 420007.78N/0881805.68W **TYPE:** WP, RADAR, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CHICAGO	I-SAJ	LOC/DME		272.99	269.99	16.62	18.17		6000	6000
2	DUPAGE	DPA	VOR/DME	L	015.96	017.96		7.05		6000	6000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SAJ	LOC/DME	R-273	19	6000	6000

REMARKS:
CHICAGO (FAC 1) AND DUPAGE (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-SAJ DME COORDINATES: 420014.10N/0875548.23W
ASSOCIATED DME (I-ABU) ESV DISTANCE: 17NM.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JHONN **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 420004.51N/0883043.54W **TYPE:** WP, RADAR, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CHICAGO	I-SAJ	LOC/DME		272.99	269.99	26.04	27.59		9000	9000
2	DUPAGE	DPA	VOR/DME	L	310.59	312.59		9.84		9000	9000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SAJ	LOC/DME	R-273	28	9000	9000

REMARKS:
CHICAGO (FAC 1) AND DUPAGE (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-SAJ DME COORDINATES: 420014.10N/0875548.23W
ASSOCIATED DME (I-ABU) ESV DISTANCE: 27NM.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

QUALITY 9 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OGSIE **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 420010.07N/0880001.60W **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	DIST FROM FAC FEET	MRA	MAA
1	CHICAGO	I-SAJ	LOC/DME		272.99	269.99	3.15	4.70		1660	5100

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

REMARKS:
I-SAJ DME COORDINATES: 420014.10N/0875548.23W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
CHANGED FAC 1 TYPE TO LOC/DME.

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

QUALITY CHECKED 9

RADIO FIX AND HOLDING DATA RECORD

NAME: TRYXI **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 420008.56N/0881353.02W **TYPE:** WP, RADAR, 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	DIST FROM FAC FEET	MRA	MAA
1	CHICAGO	I-SAJ	LOC/DME		272.99	269.99	13.48	15.03		5000	5100
2	NORTHBROOK	OBK	VOR/DME	H	225.66	223.66		18.13		5000	5100

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

REMARKS:
CHICAGO (FAC 1) AND NORTHBROOK (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-SAJ DME COORDINATES: 420014.10N/0875548.23W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
UPDATE FIX COORDINATES, FIX MOVED 2.24 NM EAST (FIX NAME RETAINED AT ATC REQUEST).
CHANGED FAC 1: TYPE TO LOC/DME, DME DISTANCE TO 13.48, DIST FROM FAC TO 15.03, MRA TO 5000.
CHANGED FAC 2: MAG/TRUE BRG TO 225.66/223/66, DIST FROM FAC TO 18.13, MRA TO 5000.
ADD FIX USE.

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: VNDER **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 420006.85N/0882218.32W **TYPE:** WP, RADAR, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CHICAGO	I-SAJ	LOC/DME		272.99	269.99	19.76	21.31		7000	7000
2	DUPAGE	DPA	VOR/DME	L	349.79	351.79		6.76		7000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SAJ	LOC/DME	R-273	22	7000	7000

REMARKS:
CHICAGO (FAC 1) AND DUPAGE (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-SAJ DME COORDINATES: 420014.10N/0875548.23W
ASSOCIATED DME (I-ABU) ESV DISTANCE: 20NM.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

QUALITY 9 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZENAH **STATE:** IL **COUNTRY:** US "INFO ONLY"

LATITUDE/LONGITUDE: 420009.95N/0880215.33W **TYPE:** WP, RADAR, 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	DIST FROM FAC FEET	MRA	MAA
1	CHICAGO	I-SAJ	LOC/DME		272.99	269.99	4.81	6.36	38658	2300	5100
2	NORTHBROOK	OBK	VOR/DME	H	198.35	196.35		13.66		2300	5100

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

REMARKS:
I-SAJ DME LOCATED AT 420014.10N/0875548.23W.
RNP CRITERIA APPLIED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT III)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
NEW COORDINATES, FIX MOVED 462 FEET W.
DELETE WP FAC 3.
UPDATE FAC 1, CHANGED MAG/TRUE BRG FROM 273/270 TO 272.99/269.99, DME FROM 4.73 TO 4.81, AND ADDED DIST FROM FAC IN NM AND FEET.
UPDATE FAC 2, CHANGED MAG/TRUE BRG FROM 198/196 TO 198.35/196.35 AND ADDED DIST FROM FAC IN NM.
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 01/13/2012 **OFFICE:** AJV-353 **NAME:** HERMAN ROGERS

APPROVED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

QUALITY 9 CHECKED