Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 03/05/2010	Task #: 2010030518687706011	Request #: 20100305186877
Procedure: RNAV (GPS) RWY 10L AMDT 4		Airport ID: KORD	Airport: CHICAGO-O'HARE INTL		Reimbursable #:
City: CHICAGO	ST: IL	GPS #:		Estimated Chart Date: 05/02/2013	FICO #: 1098302
Fac ID:	Fac. Type: LPV		Specialist: AISHAT NAUZO		

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/23/2012	02/27/2013	JILL OLSON	
QA:	02/27/2013	02/27/2013	SCOTT BEARD	
Liaison:	02/27/2013		Spurlin	RESUBMIT 2/27/13

P1

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

pkg 1 of 1

CHICAGO, IL CHICAGO-O'HARE INTL (KORD) RNAV (GPS) RWY 10L, AMDT 4 (LPV) ENROUTE-NO FC: 3.19.13 PUB: 5.2.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): ARIST-INT, ORIG; BUGSE-INT, REV 3; BURKE-INT, REV 3; CARLE-INT, REV 8; DUPAGE (DPA) VDME, REV 16; GIBNS, ORIG; KALZO-INT, ORIG; PRATT-INT, REV 8; SYSCO-INT, REV 1; (INFO ONLY) ANACO, REV 2.
FLCK NOTE: CORRECTED REMAINDER ON FAS DATA BLOCK AND PP ON 8260-10 CODING PAGES.

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

WAAS	APP CRS	Rwy ldg	12246
CH 48904	093°	THRE	672
W10LA		Apt Elev	672

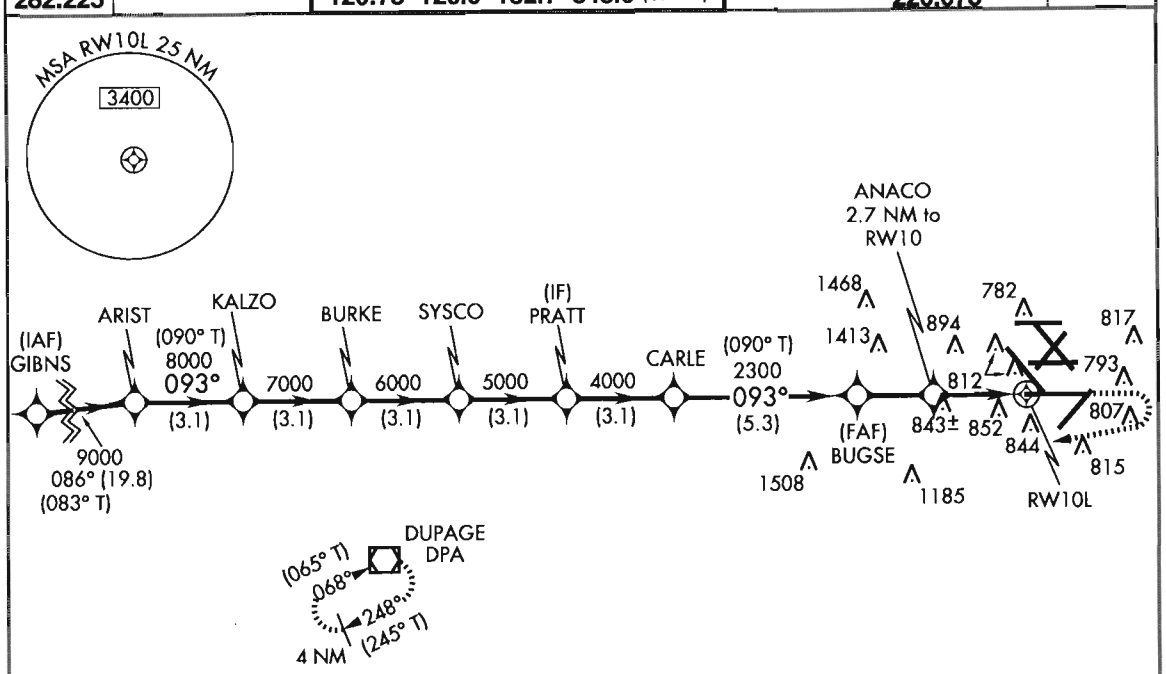
RNAV (GPS) RWY 10L
CHICAGO-O'HARE INTL (ORD)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C (-5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. For inoperative ALSF, increase LNAV Cat C/D visibility to 1⅜ mile. Simultaneous approach authorized with Rwy 9L/R. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

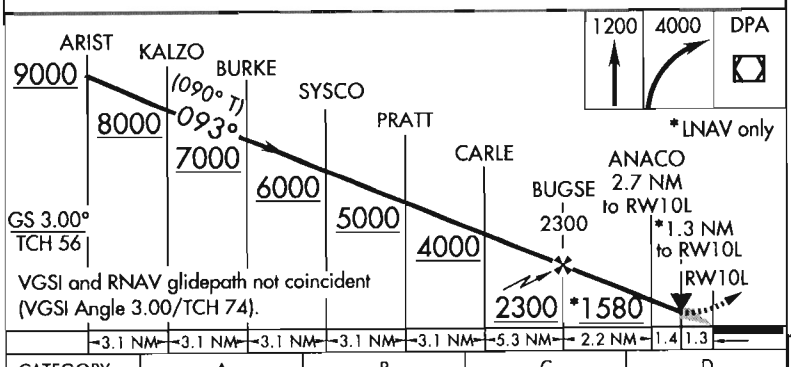
ALSF-2

MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 direct DPA VOR/DME 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

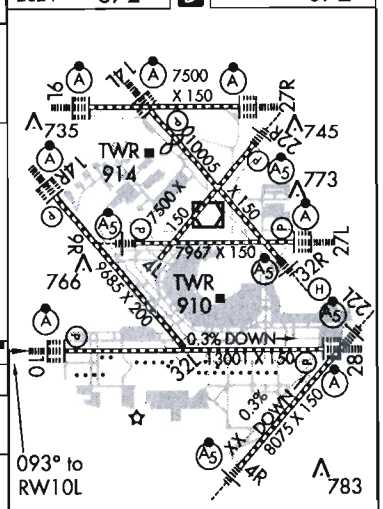


RADAR REQUIRED



CATEGORY	A	B	C	D
LPV DA	922/24 250 (300-½)			
LNAV/VNAV DA	1119/50 447 (500-1)			
LNAV MDA	1160/24 488 (500-½)		1160/50 488 (500-1)	
CIRCLING	1220-1 548 (600-1)		1220-1½ 548 (600-1½)	1240-2 568 (600-2)

ELEV	672	D	THRE	672



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)	ARIST (FB)	086.15 / 19.83	9000
ARIST	KALZO (FB)	092.47 / 3.14	8000
KALZO	BURKE (FB)	092.52 / 3.14	7000
BURKE	SYSCO (FB)	092.57 / 3.14	6000
SYSCO	PRATT (FB)	092.61 / 3.14	5000
PRATT (IF)	CARLE (FB)	092.66 / 3.14	4000
CARLE	BUGSE (FB)	092.71 / 5.34	2300
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10L

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 DIRECT DPA VOR/DME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ARIST
3. FAC: 092.79 FAF: BUGSE DIST FAF TO MAP: 4.94 THLD: 4.94
4. MIN. ALT: ARIST 9000, KALZO 8000, BURKE 7000, SYSCO 6000, PRATT 5000, CARLE 4000, BUGSE 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: BUGSE 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.9 34:1 IS CLEAR
8. MSA FROM: RW10L 3400

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 068.00 INBOUND.
CHART FAS OBST: 812 TANK 415733N/0875658W
CHART FAS OBST: 843 TANK 415744N/0875910W
DISTANCE TO THLD FROM 250 HATH: 0.61 NM.
CHART VDP AT 1.30 MILES TO RW10L*
*LNAV ONLY.
WAAS CHANNEL # 48904
REFERENCE PATH ID: W10A
LTP HAE: 171.3 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	922	2400	250	922	2400	250	922	2400	250	922	2400	250			
LNAV/VNAV DA	1119	5000	447	1119	5000	447	1119	5000	447	1119	5000	447			
LNAV MDA	1160	2400	488	1160	2400	488	1160	5000	488	1160	5000	488			
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: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 672 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
CHICAGO, IL	CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 10L, AMDT 4	AMDT: 3C
				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 ATRCC, ORD ATCT, CHICAGO APP CON, AMGR

FLIGHT CHECKED BY		
NAME: MICHAEL EDWARD WILSON	FIFO FIOG	DATE: 02/25/2013
DEVELOPED BY		
NAME: JILL OLSON (AISHAT NAUZO)	FIFO AJV-353	DATE: 10/18/2012
APPROVED BY		
NAME: LARRY H STROUT MANAGER	FIFO AJV-353	DATE:

CHANGES:

1 CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 10 TO RNAV (GPS) RWY 10L.
2 ADDED GIBNS IAF WP FOR STAR TIE IN. ADDED ARIST-9000 INITIAL STEPDOWN, AND KALZO-8000 INITIAL STEPDOWN.
3 ALIGNED ARIST-9000, KALZO-8000, BURKE-7000, SYSCO-6000, PRATT-5000 AND CARLE-4000 ON GLIDESLOPE USING AFS 420 HIGH TEMP CALCULATOR.
4 CHANGED BURKE TO SYSCO SEGMENT LENGTH FROM 2.86 NM TO 3.14 NM AND COURSE FROM 092.58 TO 092.57.
5 CHANGED SYSCO TO PRATT SEGMENT LENGTH FROM 2.91 NM TO 3.14 NM AND COURSE FROM 092.61 TO 092.62.
6 CHANGED PRATT TO CARLE SEGMENT LENGTH FROM 2.95 NM TO 3.14 NM AND COURSE FROM 092.66 TO 092.67.
7 CHANGED CARLE TO BUGSE (FAF) SEGMENT LENGTH FROM 5.13 NM TO 5.34 NM.
8 CHANGED BUGSE (FAF) TO MAP DISTANCE FROM 4.87 NM TO 4.94 NM.
9 CHANGED BURKE AND SYSCO FROM INTERMEDIATE STEPDOWN TO INITIAL STEPDOWN FIXES.
10 CHANGED PRATT FROM INTERMEDIATE STEPDOWN TO (IF), THE BEGINNING OF THE INTERMEDIATE SEGMENT.
11 CHANGED BARO-VNAV NA NOTE FROM BELOW -22C (-7F) TO -21C (-5F) AND FROM ABOVE 35C (95F) TO 54C (130F).

REASONS:

1 NEW RUNWAY DESIGNATION.
2-3 FPT REQUEST.
4-7 DISTANCES RESULTED FROM USING HIGH TEMP CALCULATOR.
8 PFAF MOVED AND COORDINATES DETERMINED USING 8260.54A FORMULA 2-16B.
9-10 FPT REQUEST.
11 8260.19E CHAP 4, SEC 9 (4-97)

PDF EDITS:
1 8260-3, TERMINAL ROUTES, ADDED (FAF) TO BUGSE. LINE 1: REMOVED NA FROM PT.
2 8260-3, TERMINAL ROUTES, BUGSE TO ANACO DELETED 1580* ALTITUDE.
3 8260-10 RNP 2.0 REMOVED 2.0.

02/26/2013. THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 10/18/12.
CORRECTED CFC REMAINEDER ON THE FAS DATA BLOCK AND THE PP DATA.

QUALITY CHECKED

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LINE 4, (CONT.):
ANACO/2.70 NM TO RW10L 1580*

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BUGSE (FAF)	ANACO/2.70 NM TO RW10L (FB)	092.79 / 2.24	
ANACO/2.70 NM TO RW10L	RW10L (MAP) (FO)	092.79 / 2.70	
RW10L (MAP)	1200 MSL	092.79	1200
1200 MSL	DPA VOR/DME (FO)		4000

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 9L/R.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

QUALITY A CHECKED

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

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	RW10L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	415808.3810N
LTP/FTP LONGITUDE	0875553.5135W
LTP/FTP ELLIPSOIDAL HEIGHT	+01713
FPAP LATITUDE	415808.6600N
FPAP LONGITUDE	0875301.4200W
THRESHOLD CROSSING HEIGHT (TCH)	00055.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BD25E780

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02049
FPAP ORTHOMETRIC HEIGHT	+02049

QUALITY & CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 672	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
CHICAGO, IL	AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 10L, AMDT 4	AMDT: 3C
				DATED: 05/31/2012

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

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
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DPA   K5010840VDL  N41532531W088210062    N41532531W088210062E0020008001     NARDUPAGE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANACO K50    W     N41580793W087593068                     W0034     NAR           ANACO
        SUSAEAENRT   ARIST K50    C     N41575929W088304236                     W0030     NAR           ARIST
        SUSAEAENRT   BUGSE K50    C     N41580747W088023054                     W0034     NAR           BUGSE
        SUSAEAENRT   BURKE K50    C     N41580246W088221742                     W0031     NAR           BURKE
        SUSAEAENRT   CARLE K50    C     N41580605W088093987                     W0033     NAR           CARLE
        SUSAEAENRT   GIBNS K50    W   L N41554032W088570606                     W0026     NAR           GIBNS
        SUSAEAENRT   KALZO K50    C     N41580095W088262990                     W0031     NAR           KALZO
        SUSAEAENRT   PRATT K50    C     N41580500W088135240                     W0032     NAR           PRATT
        SUSAEAENRT   SYSCO K50    C     N41580381W088180492                     W0032     NAR           SYSCO

                 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 KORDK5FR10L  AGIBNS 010GIBNSK5EA0E  A    IF                                          18000                A JS
        SUSAP KORDK5FR10L  AGIBNS 020ARISTK5EA0E    010TF                     08620198    + 09000                         A JS
        SUSAP KORDK5FR10L  AGIBNS 030KALZOK5EA0E    010TF                     09250031    + 08000                         A JS
        SUSAP KORDK5FR10L  AGIBNS 040BURKEK5EA0E    010TF                     09250031    + 07000                         A JS
        SUSAP KORDK5FR10L  AGIBNS 050SYSCOK5EA0E    010TF                     09260031    + 06000                         A JS
        SUSAP KORDK5FR10L  AGIBNS 060PRATTK5EA0EE B 010TF                     09260031    + 05000                         A JS
        SUSAP KORDK5FR10L  R      010PRATTK5EA0E  I    IF                                + 05000     18000               A JS
        SUSAP KORDK5FR10L  R      011CARLEK5EA0E S  051TF                     09270031    + 04000                         A JS
        SUSAP KORDK5FR10L  R      020BUGSEK5EA1E  F 051TF                     09270053    + 02300                 RW10L K5PGA JS
        SUSAP KORDK5FR10L  R      020BUGSEK5EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KORDK5FR10L  R      021ANACOK5EA0E S  031TF                     09280022    V 0158001588        -300        A JS
        SUSAP KORDK5FR10L  R      030RW10LK5PG0GY M 031TF                     09280027      00728             -300        A JS
        SUSAP KORDK5FR10L  R      040         0  M     CA                     0928        + 01200                         A JS
        SUSAP KORDK5FR10L  R      050DPA  K5D 0VY  R   DF                                 + 04000                         A JS
        SUSAP KORDK5FR10L  R      060DPA  K5D 0VE  R   HM                     06800040    + 04000                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 672	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
CHICAGO, IL	AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 10L, AMDT 4	AMDT: 3C
				DATED: 05/31/2012

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

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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```
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KORDK5GRW10L   0130010929 N41580838W087555351-0200    +0171300672000056150I
                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KORDK5PR10L  RW10L001 0000W10A0N4158083810W08755535135+017130300N4158086600W0875301420010675000000559F400500BD25E780
        SUSAP KORDK5PR10L  RW10L002E      +02049+02049LPV       48904
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KORDK5SRW10LK5PG                0   18018003425                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 672	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
CHICAGO, IL	AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 10L, AMDT 4	AMDT: 3C
				DATED: 05/31/2012

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

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	ARIST	020		TF		FB	1.0	086.2(083.2T)	019.8	AA 09000	
	GIBNS	KALZO	030		TF		FB	1.0	092.5(089.5T)	003.1	AA 08000	
	GIBNS	BURKE	040		TF		FB	1.0	092.5(089.5T)	003.1	AA 07000	
	GIBNS	SYSCO	050		TF		FB	1.0	092.6(089.6T)	003.1	AA 06000	
	GIBNS	PRATT	060		TF		FB	1.0	092.6(089.6T)	003.1	AA 05000	
		PRATT	010	FACF	IF		FB				AA 05000	
		CARLE	011	SDF	TF		FB	0.5	092.7(089.7T)	003.1	AA 04000	
		BUGSE	020	FAF	TF		FB	0.5	092.7(089.7T)	005.3	AA 02300	
		ANACO	021	SDF	TF		FB	0.3	092.8(089.8T)	002.2	AA 01580 GS 01588	
		RW10L	030	MAP	TF		FO	0.3	092.8(089.8T)	002.7	AT 00728	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		092.8(089.8T)		AA 01200	
	DPA	050		DF	R	FO				AA 04000	
	DPA	060		HM	R	FO		068.0(065.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DPA	N415325.31	W0882100.62	N4153.422	W08821.010
	ANACO	N415807.93	W0875930.68	N4158.132	W08759.511
	ARIST	N415759.29	W0883042.36	N4157.988	W08830.706
	BUGSE	N415807.47	W0880230.54	N4158.125	W08802.509
	BURKE	N415802.46	W0882217.42	N4158.041	W08822.290
	CARLE	N415806.05	W0880939.87	N4158.101	W08809.665
	GIBNS	N415540.32	W0885706.06	N4155.672	W08857.101
	KALZO	N415800.95	W0882629.90	N4158.016	W08826.498
	PRATT	N415805.00	W0881352.40	N4158.083	W08813.873
	SYSCO	N415803.81	W0881804.92	N4158.064	W08818.082
	RW10L	N415808.38	W0875553.51	N4158.140	W08755.892

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10L	00672	56

QUALITY CHECKED

CITY AND STATE	ELEVATION: 672 THRE: 672	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
CHICAGO, IL	AIRPORT NAME: CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 10L, AMDT 4	AMDT: 3C
				DATED: 05/31/2012

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

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	ARIST	1. WINDMILL	415151.67N/0885509.08W	1357 (5D)	1000	AT6643	9000
			(17-020871)					
			2. TERRAIN	415148.00N/0885600.00W	981 (1000)		AS1500	2500
INITIAL: STEPDOWN	ARIST	KALZO	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	KALZO	BURKE	5. AAO	415945.00N/0882751.00W	1218 (4E)	1000	AT4782	7000
			6. TERRAIN	415918.00N/0882624.00W	955 (1000)		AS1500	2500
INITIAL: STEPDOWN	BURKE	SYSCO	7. AAO	415618.00N/0882236.00W	1096 (4E)	1000	AT3904	6000
			8. TERRAIN	415612.00N/0882200.00W	873 (900)		AS1500	2400
INITIAL: STEPDOWN	SYSCO	PRATT	9. TOWER (17-001845)	415954.00N/0881433.00W	1136 (5D)	1000	AT2864	5000
			10. TERRAIN	415724.65N/0881728.43W	814 (800)		AS1500	2300
INTERMEDIATE	PRATT	CARLE	9. TOWER (17-001845)	415954.00N/0881433.00W	1136 (5D)	500	AT2364	4000
			11. TERRAIN	415918.00N/0881251.00W	863 (900)		AS1500	2400
INTERMEDIATE:	CARLE	BUGSE	12. TOWER (17-000007)	415605.00N/0880424.00W	1508 (4D)	500	SA-273 AT565	2300
STEPDOWN			13. TERRAIN	415718.00N/0880827.00W	867 (900)		AS1000	1900
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW10L	DPA VOR/DME				ASC		4000
			12. TOWER (17-000007)	415605.00N/0880424.00W	1508 (4D)	1000		2600
ELEV:	732/958/1060		17. TERRAIN	415500.00N/0882248.00W	876 (900)		AS1500	2400

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350		548	18. CTWR (17-021308)	415946.43N/0875456.75W	914 (1A)	300		1220
CATEGORY B	1.5 NM	450		548	18. CTWR (17-021308)	415946.43N/0875456.75W	914 (1A)	300		1220
CATEGORY C	1.7 NM	450		548	18. CTWR (17-021308)	415946.43N/0875456.75W	914 (1A)	300		1220
CATEGORY D	2.3 NM	550		568	18. CTWR (17-021308)	415946.43N/0875456.75W	914 (1A)	300	HAA	1240
CATEGORY E	4.5 NM	550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW10L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	BLDG (17-000687)	115/ 14.3	2325 (2D)	3400					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 672 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
CHICAGO, IL	CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 10L, AMDT 4	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ORD TOWER ORD APP CON		N W S	OTHER: ASOS	SOURCE: KORD
		F A A		DISTANCE:
		A / C		HOURS REMOTE OPERATION: 24
SATISFACTORY ON:				
X V H F X U H F H F	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, 27L, 10L, 27C, 09R, 10R, 28R, 09C, 27R, 28L
		(S) SALS
	X	MALSR 04R, 22R, 32R, 22L
	X	HIRL 09L, 28C, 04R, 14L, 10C, 14R, 27L, 22R, 04L, 10L, 27C, 32R, 09R, 10R, 28R, 32L, 09C
		MIRL
		REIL
	X	TDZ 09L, 04R, 14L, 14R, 22R, 10L, 32R, 28R, 32L, 22L, 27R
	X	C/L 09L, 04R, 14L, 14R, 22R, 04L, 10L, 32R, 28R, 32L, 22L, 27R
	X	OTHER (SPECIFY) PAPI-4L 28C, 14L, 10C, 14R, 22R, 10L, 28R, 22L
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 04R, 14L, 14R, 22R, 04L, 10L, 32R, 28R, 32L, 22L
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	09L, 04R, 14L, 14R, 22R, 04L, 10L, 32R, 28R, 32L, 22L, 27R
	MIDFIELD	09L, 04R, 14L, 14R, 10L, 32R, 28R, 32L, 22L, 27R
	ROLL OUT	09L, 04R, 14L, 14R, 22R, 04L, 10L, 32R, 28R, 32L, 22L, 27R
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 672.1
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 55.9
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: JILL OLSON (AISHAT NAUZO)	DATE: 10/18/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

SEE ATTACHED AIRSPACE LETTER.

100 FT VEGETATION PER FPT.

KORD ASOS ON SERVICE A. NO BACK-UP ALTIMETER SOURCE USED. REDUNDANT SOURCES AVAILABLE ON AIRPORT.

TAA NOT DEVELOPED PER FPT REQUEST.

LPV SLOPE: 34:1
LNAV/VNAV SLOPE: 23.964:1

AVERAGE COLD TEMPERATURE BASED ON 5 YEAR HISTORY:
2011: -4F
2010: 2F
2009: -18F
2008: -6F
2007: -10F
AVG: -7F= (-21C)

VGSI DATA: 3.00/73.5

OBS #1 OEAAA VERIFIED 5D ACCURACY CODE.
OBS #16 OEAAA VERIFIED 4D ACCURACY CODE.

THE LOCALITIES OF ARIST-9000, KALZO-8000, BURKE-7000, SYSCO-6000, PRATT-5000 AND CARLE-4000 WERE DETERMINED BY USING THE AFS 420 HIGH TEMP CALCULATOR.

25 DEGREES BANK ANGLE USED FOR IPDS DEVELOPED MISSED APPROACH.

OBSTACLE #12 IS LOCATED 1537 FT INTO SECONDARY.

OBS # 16 REQUEST FLIGHT CHECK 4D ACCURACY.

DID NOT LOWER MINIMUMS BELOW PER FPT AND DUE TO THE IPDS MISSED APPROACH INABILITY TO CONSTRUCT UTILIZING THE MAXIMUM BANK ANGLE.

XP LPV FINAL: RAISE TO PREVIOUS MINS.

XP VNAV FINAL: RAISE TO PREVIOUS MINS.

QUALITY CHECKED 2

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LPV	BUGSE	RW10L				ASC	XP50	922/250
FINAL: LNAV/VNAV	BUGSE	RW10L	14. TANK (17-002338)	415733.00N/0875658.00W	812 (2C)	23.96:1	XP126 AC20	1119/447
FINAL: LNAV	BUGSE	ANACO/2.70 NM TO RW10L	15. AAO	415706.00N/0880221.30W	959 (2C)	250	DG371	1580
FINAL: LNAV STEPDOWN	ANACO/2.70 NM TO RW10L	RW10L	16. TANK (17-006194)	415744.00N/0875910.00W	843 (4D)	250	AC50	1160

3. MISSED APPROACH	
MAP:	
ELEV:	

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. 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

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 672 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
CHICAGO, IL	CHICAGO O'HARE INTL	RNAV	RNAV (GPS) RWY 10L, AMDT 4	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:				N W S	OTHER:	SOURCE:
				F A A		DISTANCE:
				A / C		HOURS REMOTE OPERATION:
V H F	U H F	H F	LOCATION:			ADJUSTMENT:

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

5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
		MALS
	X	**HIRL 09C, 28L, 27R**
		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:

RADIO FIX AND HOLDING DATA RECORD

NAME: ARIST **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415759.29N/0883042.36W **TYPE:** WP, RADAR, 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	FEET	MRA	MAA
1	CHICAGO	I-MED	LOC		272.86	269.86	28.36	28.38		9000	10000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MED	LOC	R-273	29	9000	10000

REMARKS:
I-MED DME LOCATED AT 415805.67N/0875241.69W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT III)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)	1		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 10/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (AISHAT NAUZO)

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

SIGNATURE:

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

QUALITY CHECKED 2

RADIO FIX AND HOLDING DATA RECORD

NAME: BUGSE **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415807.47N/0880230.54W **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-MED	LOC		272.86	269.86	7.32	7.35	44635	2300	5100
2	NORTHBROOK	OBK	VOR/DME	H	196.92	194.92		15.68		2300	5100

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

REMARKS:
I-MED DME LOCATED AT 415805.67N-0875241.69W.
COORDINATES DETERMINED USING 8260.54A FORMULA 2-16B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT III)	1, 2		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)	1, 2		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
FIX MOVED 399.62 FT WEST; COORDINATES UPDATED.
CHANGED FAC 1 DME DIST FROM 7.26 TO 7.32, FAC DIST FROM 7.28 TO 7.35 AND IN FT FROM 44,235 TO 44,635.
CHANGED FAC 2 BRG FROM 194.69T/196.69M TO 194.92T/196.92M.
CHANGED FAC 2 FAC DIST FROM 15.66 TO 15.68.
CHANGED I-MED DME LOCATION FROM 415805.69N-0875241.64W TO 415805.67N-0875241.69W.
UPDATED FIX USE.
ADDED REMARK; COORDINATES DETERMINED USING 8260.54A FORMULA 2-16B.

DEVELOPED BY: **DATE:** 10/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (AISHAT NAUZO)

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 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BURKE **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415802.46N/0882217.42W **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-MED	LOC		272.86	269.86	22.08	22.10		7000	8000
2	DUPAGE	DPA	VOR/DME	L	346.32	348.32		4.71		4000	17500
3	CHICAGO O'HARE	ORD	VOR/DME	L	264.82	266.82	20.92	20.92		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MED	LOC	R-273	23	7000	8000

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

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	W	ORD	VOR/DME	264.82	084.82	R	1		4000	8000	5	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (17-001565)	420111.70N/0882252.99W	1386	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
ESV FOR I-MED GLIDESLOPE: R273/20 7000-8000.
I-MED DME LOCATED AT 415805.67N/0875241.69W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1		KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 28R	2, 3	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT III)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28R (CAT II)	2, 3	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 28R (CAT III)	2, 3	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 28R (SA CAT I)	2, 3	1	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
FIX MOVED 5921.31 FT WEST; COORDINATES UPDATED.
CHANGED FAC 1 DME DIST FROM 21.1 TO 22.08 AND ADDED 22.10 FAC DIST.
CHANGED FAC 2 BRG FROM 358.24M/000.24T TO 346.32M/348.32T.
ADDED FAC 2 FAC DIST 4.71.
CHANGED FAC 3 BRG FROM 264.67M/266.67T TO 264.82M/266.82T.
CHANGED FAC 3 DME DIST FROM 19.94 TO 20.92 AND ADDED FAC DIST 20.92.
REMOVED FAC 4
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED REMARK.
MOVED HOLDING LIMITED TO ESTABLISHED PATTERN FROM REMARKS TO HOLDING RESTRICTION SECTION.
I-MED DME LOCATION CHANGED FROM 415805.69N/0875241.64W TO 415805.67N/0875241.69W.
UPDATED FIX USE.
CHANGED I-MED ESV LOC/DME DIST FROM 22 TO 23.
CHANGED I-MED ESV GS DIST FROM 19 TO 20.
CHANGE PAT 1 RAD/INB CRS FROM 264.67/084.67 TO 264.82/084.82.

DEVELOPED BY: **DATE:** 10/05/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (AISHAT NAUZO)

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

SIGNATURE:

QUALITY 2 CHECKED

DISTRIBUTION:

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

QUALITY CHECKED 2

RADIO FIX AND HOLDING DATA RECORD

NAME: CARLE **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415806.05N/0880939.87W **TYPE:** WP, RADAR, 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-MED	LOC/DME		272.86	269.86	12.66	12.68		4000	5100

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MED	LOC/DME	R-273	11	4000	5100

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

REMARKS:
I-MED ESV IS FOR GLIDESLOPE ONLY.
I-MED DME LOCATED AT 415805.67N-0875241.69W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT III)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)	1		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
FIX MOVED 1686.89 FT WEST; COORDINATES UPDATED.
ADDED FAC 1 MAG BRG 272.86.
CHANGED FAC 1 DME DIST FROM 12.38 TO 12.66 AND ADDED FAC DIST 12.68.
REMOVED FAC 2.
CHANGED I-MED DME LOCATION FROM 415805.69N-0875241.64W TO 415805.67N-0875241.69W.
UPDATED FIX USE.
CHANGED I-MED ESV MAX ALT FROM 5000 TO 5100.

DEVELOPED BY: **DATE:** 10/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (AISHAT NAUZO)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DUPAGE VOR/DME **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415325.31N/0882100.62W **TYPE:**

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	DUPAGE	DPA	VOR/DME	L							17500

FIX RESTRICTIONS:
SPECIAL VOR-A, KLL22, DOWNERS GROVE, IL
SPECIAL VOR-A, K82IS, HUNTLEY, IL
SPECIAL VOR-A, K68IS, HAMPSHIRE, IL

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

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	W	DPA	VOR/DME	248.00	068.00	R	1		2500	10000	4	9
2	W		WP	248.00	068.00	R		4	4000	6000	5	6
3	W		WP	250.00	070.00	R		4	4000	6000	5	6
4	S	DPA	VOR/DME	169.51	349.51	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (17-000110)	414610.00N/0881444.00W	1449	5D
1	200	AAO	415508.00N/0882552.00W	1229	2C
1	310	TOWER (17-000110)	414610.00N/0881444.00W	1449	5D
2	200	AAO	415508.00N/0882552.00W	1229	2C
3	200	AAO	415508.00N/0882552.00W	1229	2C
4	200	TOWER (17-000110)	414610.00N/0881444.00W	1449	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2500.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 2L	KDPA	CHICAGO/WEST CHICAGO	IL (US)
1	VOR RWY 2L	KDPA	CHICAGO/WEST CHICAGO	IL (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIDWAY			KMDW	CHICAGO	IL (US)
DP	O'HARE			KORD	CHICAGO	IL (US)
EN ROUTE	V172					(US)
EN ROUTE	V6					(US)
IAP	VOR-A			K1C5	BOLINGBROOK	IL (US)
IAP	I-55 VISUAL APPROACH RWY 13C			KMDW	CHICAGO	IL (US)
IAP	ILS OR LOC/DME RWY 13C			KMDW	CHICAGO	IL (US)
IAP	RNAV (GPS) Z RWY 13C			KMDW	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 10L		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 14R			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 22R		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 27L			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 27R			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 28R		1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 4R			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 9R			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 14R (CAT II/III)			KORD	CHICAGO	IL (US)
IAP	ILS RWY 27L (CAT II/III)			KORD	CHICAGO	IL (US)
IAP	ILS RWY 27R (CAT II/III)			KORD	CHICAGO	IL (US)
IAP	ILS RWY 28R (CAT II/III)		1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 28R (SA CAT I)		1	KORD	CHICAGO	IL (US)
IAP	LOC RWY 4L			KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 09R			KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L		2	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 22R		2	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 28R		2	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 4L			KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 4R			KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 33			KARR	CHICAGO/AURORA	IL (US)
IAP	ILS OR LOC RWY 9			KARR	CHICAGO/AURORA	IL (US)

QUALITY CHECKED 2

IAP	RNAV (GPS) RWY 27		KARR	CHICAGO/AURORA	IL (US)
IAP	VOR RWY 15		KARR	CHICAGO/AURORA	IL (US)
IAP	VOR RWY 33		KARR	CHICAGO/AURORA	IL (US)
IAP	VOR RWY 36		KARR	CHICAGO/AURORA	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	LOC/DME RWY 9		KLOT	CHICAGO/ROMEOVILLE	IL (US)
IAP	RNAV (GPS) RWY 20		KLOT	CHICAGO/ROMEOVILLE	IL (US)
IAP	RNAV (GPS) RWY 9		KLOT	CHICAGO/ROMEOVILLE	IL (US)
IAP	VOR RWY 9		KLOT	CHICAGO/ROMEOVILLE	IL (US)
IAP	ILS OR LOC RWY 10		KDPA	CHICAGO/WEST CHICAGO	IL (US)
IAP	ILS OR LOC RWY 2L	1	KDPA	CHICAGO/WEST CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L	2	KDPA	CHICAGO/WEST CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 20R		KDPA	CHICAGO/WEST CHICAGO	IL (US)
IAP	VOR RWY 10		KDPA	CHICAGO/WEST CHICAGO	IL (US)
IAP	VOR RWY 2L	1	KDPA	CHICAGO/WEST CHICAGO	IL (US)
IAP	ILS OR LOC RWY 2		KDKB	DE KALB	IL (US)
IAP	NDB RWY 27		KDKB	DE KALB	IL (US)
IAP	VOR-A		KLL22	DOWNERS GROVE	IL (US)
IAP	VOR-A		K68IS	HAMPSHIRE	IL (US)
IAP	VOR-A	4	K82IS	HUNTLEY	IL (US)
IAP	RNAV (GPS) RWY 13		KJOT	JOLIET	IL (US)
STAR	JANESVILLE		KORD	CHICAGO	IL (US)

REQUIRED CHARTING: SECTIONAL, VFR TERMINAL AREA, HELICOPTER ROUTE, DP, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
NEW NAVAID COORDINATES. CHANGED FROM 415325.30N/0882100.62W TO 415325.31N/0882100.62W. MOVED 1.01 FT NORTH. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/14/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (BRIAN BICKETT)

APPROVED BY: **DATE:** 11/14/2012 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

QUALITY 2 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:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KALZO **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415800.95N/0882629.90W **TYPE:** WP, RADAR, 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	FEET	MRA	MAA
1	CHICAGO	I-MED	LOC/DME		272.86	269.86	25.22	25.24		8000	9000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MED	LOC/DME	R-273	26	8000	9000

REMARKS:
ESV FOR I-MED GLIDESLOPE: R273/24 8000-9000.
I-MED DME LOCATED AT 415805.67N/0875241.69W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT III)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)	1		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 10/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (AISHAT NAUZO)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PRATT **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415805.00N/0881352.40W **TYPE:** WP, RADAR, 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-MED	LOC/DME		272.86	269.86	15.80	15.82		5000	5100

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MED	LOC/DME	R-273	14	5000	5100

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

REMARKS:
I-MED ESV IS FOR GLIDESLOPE ONLY.
I-MED DME LOCATED AT 415805.67N-0875241.69W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT III)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)	1		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
FIX MOVED 2831.41 FT; COORDINATES UPDATED.
ADDED FAC 1 MAG BRG 272.86.
CHANGED FAC 1 DME DIST FROM 15.33 TO 15.80 AND ADDED FAC DIST 15.82.
REMOVED FAC 2.
I-MED DME LOCATION CHANGED FROM 415805.69N-0875241.64W TO 415805.67N-0875241.69W.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (AISHAT NAUZO)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SYSCO **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415803.81N/0881804.92W **TYPE:** WP, RADAR, 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-MED	LOC/DME		272.86	269.86	18.94	18.96		6000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MED	LOC/DME	R-273	19	6000	7000

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

REMARKS:
ESV FOR I-MED GLIDESLOPE: R273/17 6000-7000.
I-MED DME LOCATED AT 415805.67N-0875241.69W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT III)	1		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)	1		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
FIX MOVED 4247.16 FT; COORDINATES UPDATED.
ADDED FAC 1 MAG BRG 272.86M
CHANGED FAC 1 DME DIST FROM 18.24 TO 18.94 AND ADDED FAC DIST 18.96.
REMOVED FAC 2.
CHANGED I-MED DME LOCATION FROM 415805.69N/0875241.64W TO 415805.67N-0875241.69W.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (AISHAT NAUZO)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: ANACO **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 415807.93N/0875930.68W **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
IAP	RNAV (GPS) RWY 10L			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
DELETE WP FAC 1.
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 01/12/2012 **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 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **CHICAGO** STATE: **IL**

AIRPORT NAME: **CHICAGO-O'HARE INTL** ID: **KORD**

PROCEDURE: **RNAV (GPS) RWY 10L** AMDT: **4**

DOCKET#:
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **3.05**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **089.79**
4. High Terrain in **FINAL** segment containing 1000' point **745**
5. Distance from **THLD** to 1500' point **4.74**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.95**
7. True Course of **FINAL** segment containing 1500' point **089.79**
8. High Terrain in **FINAL** segment containing 1500' point **745**
9. Threshold Coordinates (if straight-in) ... **415808.38N** / **0875553.51W**
10. ARP Coordinates ..... **415853.94N** / **0875424.02W**
11. Runway Approach End and distance furthest from ARP ..... RWY **10R**
    Distance **1.75** NM
12. FAF Coordinates ..... **415807.47N** / **0880230.54W**

REMARKS: Approach/Drawing attached.