

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										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW27L CLIMB TO 4000 DIRECT WASCO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 093.00 INBOUND. FAS OBST: 859 AAO 415921N/0874838W CHART 817 BLDG 415937N/0875142W. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.26 MILES TO RW27L* *LNAV ONLY. WAAS CHANNEL # 77804 REFERENCE PATH ID: W27A LTP HAE: 164.5 M									
VOGLR (IAF)		NRMAH (FB)		280.58 / 17.29				9000											
NRMAH		JOEBO (FB)		273.39 / 3.14				8000											
JOEBO		GRABL (FB)		273.35 / 3.14				7000											
GRABL		RIPPR (FB)		273.30 / 3.14				6000											
RIPPR		BASHH (FB)		273.25 / 3.14				5000											
BASHH (IF)		EBENS (FB)		273.21 / 3.14				4000											
EBENS		TAFFS (FB)		273.16 / 5.89				2200											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT NRMAH 3. FAC: 273.07 FAF: TAFFS DIST FAF TO MAP: 4.69 THLD: 4.69 4. MIN. ALT: NRMAH 9000, JOEBO 8000, GRABL 7000, RIPPR 6000, BASHH 5000, EBENS 4000, TAFFS 2200 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: TAFFS 2200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.3 34:1 IS CLEAR 8. MSA FROM: RW27L 3400																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	854	2400	200	854	2400	200	854	2400	200	854	2400	200							
LNAV/VNAV DA	1125	6000	471	1125	6000	471	1125	6000	471	1125	6000	471							
LNAV MDA	1120	2400	466	1120	2400	466	1120	5000	466	1120	5000	466							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)																			
CITY AND STATE		ELEVATION: 680 TDZE: 654		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
CHICAGO, IL		AIRPORT NAME:		CHICAGO O'HARE INTL		RNAV (GPS) Z RWY 27L, AMDT 4				AMDT: 3C									
						15 OCTOBER 2015				DATED 09/18/2014									



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TAFS (FAF)	RW27L (MAP) (FO)	273.07 / 4.69	
RW27L (MAP)	854 MSL	273.07	
854 MSL	WASCO (FO)		4000

NOTES, (CONT.):

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (VGSI ANGLE {ANGLE} TCH {FEET}).

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE.

QUALITY
25
CHECKED

CITY AND STATE
CHICAGO, IL

ELEVATION: 680 TDZE: 654
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CHICAGO O'HARE INTL

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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORD
RUNWAY	RW27L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	415902.0405N
LTP/FTP LONGITUDE	0875320.5830W
LTP/FTP ELLIPSOIDAL HEIGHT	+01645
FPAP LATITUDE	415902.0225N
FPAP LONGITUDE	0875520.0545W
THRESHOLD CROSSING HEIGHT (TCH)	00055.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

48E415BF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01982
FPAP ORTHOMETRIC HEIGHT	+01982

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CITY AND STATE

CHICAGO, IL

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RNAV (GPS) Z RWY 27L, AMDT 4

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.		
ARINC SUMMARY - KORD														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
VOGLR	010	VOGLR	IF	FB										E A
VOGLR	020	NRMAH	TF	FB	1.0	280.6						AA 09000		E
VOGLR	030	JOEBO	TF	FB	1.0	273.4						AA 08000		E
VOGLR	040	GRABL	TF	FB	1.0	273.4						AA 07000		E
VOGLR	050	RIPPR	TF	FB	1.0	273.3						AA 06000		E
VOGLR	060	BASHH	TF	FB	1.0	273.3						AA 05000		EE B
	010	BASHH	IF	FB								AA 05000		E I
	011	EBENS	TF	FB	0.5	273.2						AA 04000		E
	020	TAFFS	TF	FB	0.5	273.2				RW27L		AA 02200		E F
	030	RW27L	TF	FO	0.3	273.1		3.00				AT 00705		GY M
	040		CA	FB		273.1						AA 00854		M
	050	WASCO	DF	FO								AA 04000		EY
	060	WASCO	HM	FO		093.0			R			AA 04000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BASHH			N415900.56			W0873456.08								
EBENS			N415901.16			W0873909.08								
GRABL			N415858.90			W0872631.05								
JOEBO			N415857.83			W0872218.56								
NRMAH			N415856.62			W0871806.08								
RIPPR			N415859.80			W0873043.56								
TAFFS			N415901.87			W0874702.96								
VOGLR			N415642.00			W0865507.00								
WASCO			N415858.39			W0882217.60								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW27L		N415902.04			W0875320.58			00650			55			

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CITY AND STATE CHICAGO, IL	ELEVATION: 680	TDZE: 654	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
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