

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				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
FGT VORTAC	TARKK (FO)	120.68 / 9.90	3000	LPV: DA LNAV/VNAV: DA LNAV: RW30			
PRESS (IAF)	TARKK (NOPT) (FB)	228.62 / 16.59	3000				
FOBUG (IAF)	TARKK (NOPT) (FB)	012.76 / 7.30	3000	CLIMB TO 3000 DIRECT JUNTU AND HOLD.			
TARKK (IF/IAF)	FRRAN (FB)	294.59 / 6.20	2600				
FRRAN (FAF)	HINIS/2.60 NM TO RW30 (FB)	294.50 / 2.43		<b>ADDITIONAL FLIGHT DATA:</b> HOLD NW, RT, 114.27 INBOUND. CHART FAS OBST: 1059 TREE 443715N/0931311W DISTANCE TO THLD FROM 200 HATH: 0.49 NM. CHART VDP AT 1.04 MILES TO RW30* *LNAV ONLY. WAAS CHANNEL # 99328 REFERENCE PATH ID: W30A LTP HAE: 262.4 M			
HINIS/2.60 NM TO RW30	RW30 (MAP) (FO)	294.47 / 2.60					
(SEE FORM 8260-10)							

  

1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF)	
2. HOLD SE TARKK, RT, 294.59 INBOUND, 3000 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>294.50</u> FAF: <u>FRRAN</u>	DIST FAF TO MAP: <u>5.03</u> THLD: <u>5.03</u>
4. MIN. ALT: TARKK 3000, FRRAN 2600, HINIS/2.60 NM TO RW30 1820*	
5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u>	
6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>FRRAN 2600</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS NOT CLEAR	
8. MSA FROM: <u>RW30 3500</u>	

  

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	1152	3/4	200	1152	3/4	200	1152	3/4	200	1152	3/4	200			
LNAV/VNAV DA	1240	3/4	288	1240	3/4	288	1240	3/4	288	1240	3/4	288			
LNAV MDA	1320	3/4	368	1320	3/4	368	1320	3/4	368	1320	3/4	368			
CIRCLING	1500	1	540	1500	1	540	1500	1 1/2	540	1520	2	560			

  

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: BARO-VNAV NA WHEN USING MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING.  
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
2  
CHECKED

CITY AND STATE  MINNEAPOLIS, MN	ELEVATION: 960 THRE: 952	FACILITY IDENTIFIER: RNAV	PROCEDURE NO/AMDT NO/EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 3 MAY 2012	SUP:
	AIRPORT NAME:			AMDT: NONE
	AIRLAKE			DATED

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## TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW30 (MAP)	1152 MSL	294.47	
1152 MSL	JUNTU (FO)		3000

## NOTES, (CONT.):

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 37C (98F).

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINNEAPOLIS-ST PAUL

INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING AND INCREASE ALL DA 52 FEET AND ALL MDA 60 FEET.

CHART PROFILE NOTE: PROCEDURE NA FOR ARRIVALS AT PRESS ON V2-97 SOUTHEAST BOUND.

CHART PROFILE NOTE: PROCEDURE NA FOR ARRIVAL ON FGT VORTAC AIRWAY RADIALS 118 CW 178.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV AND LNAV VISIBILITY TO 1 ALL CATS.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING, INCREASE LNAV/VNAV VISIBILITY TO 1 1/8, AND LNAV CAT A/B TO 1.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.

CHART NOTE: VDP NA WITH MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING.



CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 960

THRE: 952

AIRPORT NAME:

AIRLAKE

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

3 MAY 2012

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLVN
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	443732.7550N
LTP/FTP LONGITUDE	0931320.8005W
LTP/FTP ELLIPSOIDAL HEIGHT	+02624
FPAP LATITUDE	443813.7900N
FPAP LONGITUDE	0931511.5600W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

5EBA93A6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02902
FPAP ORTHOMETRIC HEIGHT	+02902

QUALITY  
1  
CHECKED

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 960 AIRPORT NAME: AIRLAKE	THRE: 952 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 3 MAY 2012	SUP:
				AMDT: NONE
				DATED:



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

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SUSAP KLVNK3GRW30 0040982944 N44373276W093132080+0200 +0262400952039237075I

SUSAP KLVNK3PR30	RW30 001 0000W30A0N4437327550W09313208005+026240300N4438137900W09315115600106751624000450F4003505EBA93A6
SUSAP KLVNK3PR30	RW30 002E +02902+02902LPV 99328

SUSAP KLVNK3SRW30 K3PG 0 18018003525

1

SUP:	
AMDT:	NONE
DATED:	