

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: RW10R CLIMB TO 3000 DIRECT JUDGU AND ON TRACK 154.63 TO ONARE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 114.23 INBOUND. CHART FAS OBST: 961 TREE 444930N/0932908W CHART FAS OBST: 1029 TREE 444946N/0933015W CHART 1150 TOWER 445053N/0933530W. DISTANCE TO THLD FROM 200 HAT: 0.52 NM. WAAS CHANNEL # 42519 REFERENCE PATH ID: W10B											
GEP VORTAC	YICUK (FB)	228.31 / 18.92	2700												
PRIOR	HOHNI (FB)	280.83 / 13.58	2700												
HOHNI (IAF)	ZAMUD (NOPT) (FB)	007.80 / 5.00	2700												
MAYER (IAF)	ZAMUD (NOPT) (FB)	104.27 / 10.41	2700												
YICUK (IAF)	ZAMUD (NOPT) (FB)	187.84 / 5.00	2700												
ZAMUD (IF/IAF)	STUBR (FB)	097.82 / 6.64	2600												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ZAMUD, RT, 097.82 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 097.94 FAF: STUBR _____ DIST FAF TO MAP: 5.15 THLD: 5.15 4. MIN. ALT: ZAMUD 2700, STUBR 2600, JIXUN/1.57 NM TO RW10R 1440* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: STUBR 2600 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 41.7 34:1 IS CLEAR 8. MSA FROM: RW10R 3500				MAG VAR: 3E EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY >>>>>>	A		B		C										
	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	1105	1/2	200	1105	1/2	200	1105	1/2	200	1105	1/2	200			
LNAV/VNAV DA	1237	3/4	332	1237	3/4	332	1237	3/4	332	1237	3/4	332			
LNAV MDA	1280	1/2	375	1280	1/2	375	1280	1/2	375	1280	1	375			
CIRCLING	1320	1	414	1360	1	454	1360	1 1/2	454	1460	2	554			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY SEE 8260-10															
CITY AND STATE		ELEVATION: 906 TDZE: 905		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:							
MINNEAPOLIS, MN		AIRPORT NAME:				RNAV (GPS) RWY 10R, ORIG		AMDT: NONE							
		FLYING CLOUD				23 SEP 2010		DATED							

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN ALTIMETER SETTING AND INCREASE ALL DA 34 FEET AND ALL MDA 40 FEET AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CAT D VISIBILITY TO 1 1/4.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GEP VORTAC AIRWAY RADIALS 182 CW 260, AND AT PRIOR ON V171 EASTBOUND.

QUALITY
9
CHECKED

CITY AND STATE

MINNEAPOLIS, MN

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IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

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DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KFCM
RUNWAY	RW10R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10B
LTP/FTP LATITUDE	444944.5820N
LTP/FTP LONGITUDE	0932814.5400W
LTP/FTP ELLIPSOIDAL HEIGHT	+02464
FPAP LATITUDE	444935.1400N
FPAP LONGITUDE	0932706.4500W
THRESHOLD CROSSING HEIGHT (TCH)	00041.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	90.25
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

754CF46F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02732
FPAP ORTHOMETRIC HEIGHT	+02732

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KFCMK3FR10R	AGEP	010GEP	K3D 0V	IF					18000			A JS	
SUSAP KFCMK3FR10R	AGEP	020YICUKK3EA0E	A	020TF		22830189	+	02700				A JS	
SUSAP KFCMK3FR10R	AGEP	030ZAMUDK3EA0EE	B	010TF		18780050	+	02700				A JS	
SUSAP KFCMK3FR10R	AMAYER	010MAYERK3EA0E	A	IF					18000			A JS	
SUSAP KFCMK3FR10R	AMAYER	020ZAMUDK3EA0EE	B	010TF		10430104	+	02700				A JS	
SUSAP KFCMK3FR10R	APRIOR	010PRIORK3EA0E	IF						18000			A JS	
SUSAP KFCMK3FR10R	APRIOR	020HOHNIK3EA0E	A	020TF		28080136	+	02700				A JS	
SUSAP KFCMK3FR10R	APRIOR	030ZAMUDK3EA0EE	B	010TF		00780050	+	02700				A JS	
SUSAP KFCMK3FR10R	AZAMUD	010ZAMUDK3EA0EE	AR	HF		09780040	+	02700		18000		A JS	
SUSAP KFCMK3FR10R	R	010ZAMUDK3EA0E	I	IF			+	02700		18000		A JS	
SUSAP KFCMK3FR10R	R	020STUBRK3EA1E	F	051TF		09780066	+	02600			RW10R K3PGA	JS	
SUSAP KFCMK3FR10R	R	020STUBRK3EA2WALPV	ALNAV/VNAV	ALNAV								JS	
SUSAP KFCMK3FR10R	R	021JIXUNK3EA0E	S	031TF		09790036	V	0144001441		-300		A JS	

SUP:	
AMDT:	NONE
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