

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				
WULEP (IAF)	OCEWA (NOPT) (FB)	056.71 / 7.01	3000	LP: RW36 LNAV: RW36			
PRAGS (IAF)	OCEWA (NOPT) (FB)	001.84 / 8.12	3000				
AHMIT (IAF)	OCEWA (NOPT) (FB)	304.90 / 15.46	3000	CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT OCEWA AND HOLD.			
OCEWA (IF/IAF)	IJEYU (FB)	002.99 / 5.10	2500				
IJEYU (FAF)	JESVA/1.80 NM TO RW36 (FB)	003.00 / 3.11		ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1002 TOWER 444758N/0932725W CHART FAS OBST: 1019 TREE 444908N/0932701W WAAS CHANNEL # 82635 REFERENCE PATH ID: W36A CHART CIRCLING ICON LTP HAE: 249 M			
JESVA/1.80 NM TO RW36 (SEE FORM 8260-10)	RW36 (MAP) (FO)	003.00 / 1.80					

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)							
2. HOLD S OCEWA, RT, 002.99 INBOUND, 3000 FT. IN LIEU OF PT (IAF)							
3. FAC: <u>003.00</u> FAF: <u>IJEYU</u> DIST FAF TO MAP: <u>4.91</u> THLD: <u>4.91</u>							
4. MIN. ALT: OCEWA 3000, IJEYU 2500, JESVA/1.80 NM TO RW36 1500							
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 INCP: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>							
7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR							
8. MSA FROM: RW36 3500							

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
LP MDA	1260	1	355	1260	1	355	1260	1	355		NA				
LNAV MDA	1280	1	375	1280	1	375	1280	1	375		NA				
CIRCLING	1320	1	414	1440	1	534	1440	1 1/2	534		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART NOTE: RWY 36 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINNEAPOLIS ST PAUL
 (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 906 THRE: 905	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 6 FEBRUARY 2014	SUP:
	AIRPORT NAME: FLYING CLOUD			AMDT: 1
				DATED 06/09/2001

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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW36 (MAP)	2000 MSL	003.00	2000
2000 MSL	OCEWA (FO)		3000

NOTES, (CONT.):

INTL/WOLD-CHAMBERLAIN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE LP AND LNAV CAT C VISIBILITY 1/8 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WULEP ON V456 SOUTHWEST BOUND AND ON V26 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PRAGS ON V505 SOUTHBOUND.

CHART PROFILE NOTE: DESENT ANGLE NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AHMIT ON V13-411 SOUTHBOUND.

CITY AND STATE
 MINNEAPOLIS, MN

ELEVATION: 906 THRE: 905
 AIRPORT NAME:
 FLYING CLOUD

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, AMDT 2
 6 FEBRUARY 2014

SUP:
 AMDT: 1
 DATED: 06/09/2001

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - 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.

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFCM
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	444918.2900N
LTP/FTP LONGITUDE	0932719.5200W
LTP/FTP ELLIPSOIDAL HEIGHT	+02490
FPAP LATITUDE	445046.8930N
FPAP LONGITUDE	0932706.4070W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1928
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

8CA7C44D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02759
FPAP ORTHOMETRIC HEIGHT	+02759

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 906

THRE: 905

AIRPORT NAME:

FLYING CLOUD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

6 FEBRUARY 2014

SUP:

AMDT:

1

DATED:

06/09/2001

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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFCMK3FR36	AAHMIT	010AHMITK3EA0E	A	IF					18000		A	JS
SUSAP	KFCMK3FR36	AAHMIT	020OCEWAK3EA0EE	B	010TF		30490155	+	03000			A	JS
SUSAP	KFCMK3FR36	AOCEWA	010OCEWAK3EA0EE	AR	HF		00300040	+	03000	18000		A	JS
SUSAP	KFCMK3FR36	APRAGS	010PRAGSK3EA0E	A	IF					18000		A	JS
SUSAP	KFCMK3FR36	APRAGS	020OCEWAK3EA0EE	B	010TF		00180081	+	03000			A	JS
SUSAP	KFCMK3FR36	AWULEP	010WULEPK3EA0E	A	IF					18000		A	JS
SUSAP	KFCMK3FR36	AWULEP	020OCEWAK3EA0EE	B	010TF		05670070	+	03000			A	JS
SUSAP	KFCMK3FR36	R	010OCEWAK3EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KFCMK3FR36	R	020IJEYUK3EA1E	F	051TF		00300051	+	02500		RW36	K3PGA	JS
SUSAP	KFCMK3FR36	R	020IJEYUK3EA2WALP			N	ALNAV						JS
SUSAP	KFCMK3FR36	R	021JESVAK3EA0E	S	031TF		00300031	+	01500			A	JS
SUSAP	KFCMK3FR36	R	030RW36	K3PG0GY	M	031TF	00300018		01280		000	A	JS
SUSAP	KFCMK3FR36	R	040	0	M	CA	0030	+	02000			A	JS
SUSAP	KFCMK3FR36	R	050OCEWAK3EA0EY	L	DF			+	03000			A	JS
SUSAP	KFCMK3FR36	R	060OCEWAK3EA0EE	R	HM		00300040	+	03000			A	JS

[illegible][illegible]

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 906 THRE: 905 AIRPORT NAME: FLYING CLOUD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 6 FEBRUARY 2014	SUP:
				AMDT: 1
				DATED: 06/09/2001

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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.

[illegible]

CITY AND STATE
MINNEAPOLIS, MN

ELEVATION: 906	THRE: 905
AIRPORT NAME:	FLYING CLOUD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 2
 6 FEBRUARY 2014

SUP:	
AMDT:	1
DATED:	06/09/2001

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AHMIT	AHMIT	010	IAF	IF		FB					
	AHMIT	OCEWA	020		TF		FB	1.0	304.9(307.9T)	015.5	AA 03000	
	OCEWA	OCEWA	010	IAF	HF	R	FO		003.0(006.0T)	004.0	AA 03000	
	PRAGS	PRAGS	010	IAF	IF		FB					
	PRAGS	OCEWA	020		TF		FB	1.0	001.8(004.8T)	008.1	AA 03000	
	WULEP	WULEP	010	IAF	IF		FB					
	WULEP	OCEWA	020		TF		FB	1.0	056.7(059.7T)	007.0	AA 03000	
		OCEWA	010	FACF	IF		FB				AA 03000	
		IJEYU	020	FAF	TF		FB	0.5	003.0(006.0T)	005.1	AA 02500	
		JESVA	021	SDF	TF		FB	0.3	003.0(006.0T)	003.1	AA 01500	
		RW36	030	MAP	TF		FO	0.3	003.0(006.0T)	001.8	AT 01280	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		003.0(006.0T)		AA 02000	
	OCEWA	050		DF	L	FO				AA 03000	
	OCEWA	060		HM	R	FO		003.0(006.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AHMIT	N442952.59	W0931142.65	N4429.877	W09311.711
	IJEYU	N444425.11	W0932802.83	N4444.419	W09328.047
	JESVA	N444730.89	W0932735.40	N4447.515	W09327.590
	OCEWA	N443921.04	W0932847.61	N4439.351	W09328.794
	PRAGS	N443115.56	W0932945.22	N4431.259	W09329.754
	WULEP	N443549.25	W0933716.29	N4435.821	W09337.272
	RW36	N444918.29	W0932719.52	N4449.305	W09327.325

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00905	00

CITY AND STATE
MINNEAPOLIS, MN

ELEVATION: **906** THRE: **905**
 AIRPORT NAME:
FLYING CLOUD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 2
6 FEBRUARY 2014

SUP:
 AMDT: **1**
 DATED: **06/09/2001**