

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	LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 3400 DIRECT ZARTU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 140.64 INBOUND. CHART FAS OBST: 1117 TREE 445808N/0954146W CHART: 1211 TWR 445602N/0953939W FAS OBS: 1159 TREE 445800N/0954139W DISTANCE TO THLD FROM 206 HATH: 0.51 NM. CHART VDP AT 1.18 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 86430 REFERENCE PATH ID: W32A LTP HAE: 284.5 M	
FITAS	YIBUG (FO)	226.10 / 21.93	3300		
RISLE	YIBUG (FO)	059.77 / 18.31	3300		
RWF VOR/DME (IAF)	YIBUG (NOPT) (FB)	317.56 / 27.89	3300		
YIBUG (IF/IAF)	ZATVU (FB)	320.87 / 6.00	2600		
ZATVU (FAF)	WUMPI/2.50 NM TO RW32 (FB)	320.81 / 2.32			
WUMPI/2.50 NM TO RW32	RW32 (MAP) (FO)	320.78 / 2.50			
(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 YIBUG, RT, 320.87 INBOUND, 3300 FT. IN LIEU OF PT (IAF)					
3. FAC: 320.81 FAF: ZATVU DIST FAF TO MAP: 4.82 THLD: 4.82					
4. MIN. ALT: YIBUG 3300, ZATVU 2600, WUMPI/2.50 NM TO RW32 1860*					
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: 2600 GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>					
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR					
8. MSA FROM: RW32 3400				MAG VAR: 2E EPOCH YEAR: 2015	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		
STANDARD @					
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	1226	3/4	206	1226	3/4
LNAV/VNAV DA	1420	1 3/8	400	1420	1 3/8
LNAV MDA	1420	1	400	1420	1 1/8
CIRCLING					
	1560	1	525	1560	1 1/2
NOTES: CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHART NOTE: BARO-VNAV NA WHEN USING GRANITE FALLS ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -30C (-22F) OR ABOVE 54C (130F). (SEE FORM 8260-10)					
CITY AND STATE MONTEVIDEO, MN		ELEVATION: 1035 THRE: 1020 AIRPORT NAME: MONTEVIDEO-CHIPPEWA COUNTY		FACILITY IDENTIFIER: RNAV	
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 4 APRIL 2013		SUP: AMDT: NONE DATED			

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RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW32 (MAP)	1226 MSL	320.78	
1226 MSL	ZARTU (FO)		3400

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRANITE FALLS ALTIMETER SETTING AND INCREASE ALL DA 36 FEET AND MDA 40 FEET AND INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/8 MILE, INCREASE LNAV VISIBILITY CATS C AND D 1/8 MILE, AND INCREASE CIRCLING VISIBILITY CAT D 1/4 MILE.

CHART NOTE: DME/DME RNP-0.3 NA.

QUALITY
6
CHECKED

CITY AND STATE
MONTEVIDEO, MN

ELEVATION: 1035 THRE: 1020
AIRPORT NAME:
MONTEVIDEO-CHIPPEWA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, ORIG
4 APRIL 2013

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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	KMVE
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	445750.1095N
LTP/FTP LONGITUDE	0954218.3055W
LTP/FTP ELLIPSOIDAL HEIGHT	+02845
FPAP LATITUDE	445901.0300N
FPAP LONGITUDE	0954334.2800W
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	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

9AF3E340

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03108
FPAP ORTHOMETRIC HEIGHT	+03108

QUALITY
6
CHECKED

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMVEK3FR32	AFITAS	010FITASK3EA0E	IF						18000		A JS	
SUSAP	KMVEK3FR32	AFITAS	020YIBUGK3EA0EY	020TF		22610219		+ 03300				A JS	
SUSAP	KMVEK3FR32	AFITAS	030YIBUGK3EA0EE	AR HF		32090040		+ 03300				A JS	
SUSAP	KMVEK3FR32	ARISLE	010RISLEK3EA0E	IF						18000		A JS	
SUSAP	KMVEK3FR32	ARISLE	020YIBUGK3EA0EY	020TF		05980183		+ 03300				A JS	
SUSAP	KMVEK3FR32	ARISLE	030YIBUGK3EA0EE	AR HF		32090040		+ 03300				A JS	
SUSAP	KMVEK3FR32	ARWF	010RWF K3D 0V	A IF						18000		A JS	
SUSAP	KMVEK3FR32	ARWF	020YIBUGK3EA0EE	B 010TF		31760279		+ 03300				A JS	
SUSAP	KMVEK3FR32	R	010YIBUGK3EA0E	I IF				+ 03300		18000		A JS	
SUSAP	KMVEK3FR32	R	020ZATVUK3EA1E	F 051TF		32090060		+ 02600			RW32 K3PGA	JS	
SUSAP	KMVEK3FR32	R	020ZATVUK3EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KMVEK3FR32	R	021WUMPIK3EA0E	S 031TF		32080023		V 0186001861		-300		A JS	
SUSAP	KMVEK3FR32	R	030RW32 K3PGOGY	M 031TF		32080025		01065		-300		A JS	
SUSAP	KMVEK3FR32	R	040	0 M CA		3208		+ 01226				A JS	
SUSAP	KMVEK3FR32	R	050ZARTUK3EA0EY	DF				+ 03400				A JS	
SUSAP	KMVEK3FR32	R	060ZARTUK3EA0EE	R HM		14060040		+ 03400				A JS	

[illegible]

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMVEK3PR32 RW32 001 0000W32A0N4457501095W09542183055+028450300N4459010300W09543342800106751536000450F4003509AF3E340												
	SUSAP KMVEK3PR32 RW32 002E +03108+03108LPV 86430												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMVEK3SRW32 K3PG 0 18018003425 M												



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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
	FITAS	FITAS	010		IF		FB					
	FITAS	YIBUG	020		TF		FO	2.0	226.1 (228.1T)	021.9	AA 03300	
	FITAS	YIBUG	030	IAF	HF	R	FO		320.9 (322.9T)	004.0	AA 03300	
	RISLE	RISLE	010		IF		FB					
	RISLE	YIBUG	020		TF		FO	2.0	059.8 (061.8T)	018.3	AA 03300	
	RISLE	YIBUG	030	IAF	HF	R	FO		320.9 (322.9T)	004.0	AA 03300	
	RWF	RWF	010	IAF	IF		FB					
	RWF	YIBUG	020		TF		FB	1.0	317.6 (319.6T)	027.9	AA 03300	
		YIBUG	010	FACF	IF		FB				AA 03300	
		ZATVU	020	FAF	TF		FB	0.5	320.9 (322.9T)	006.0	AA 02600	
		WUMPI	021	SDF	TF		FB	0.3	320.8 (322.8T)	002.3	AA 01860	GS 01861
		RW32	030	MAP	TF		FO	0.3	320.8 (322.8T)	002.5	AT 01065	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		320.8 (322.8T)		AA 01226	
	ZARTU	050		DF		FO				AA 03400	
	ZARTU	060		HM	R	FO		140.6 (142.6T)	004.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RWF	N442802.19	W0950741.63	N4428.037	W09507.694
	FITAS	N450354.00	W0951010.15	N4503.900	W09510.169
	RISLE	N444035.32	W0955546.42	N4440.589	W09555.774
	WUMPI	N445550.69	W0954010.54	N4455.845	W09540.176
	YIBUG	N444912.88	W0953306.30	N4449.215	W09533.105
	ZARTU	N450705.28	W0955214.90	N4507.088	W09552.248
	ZATVU	N445359.76	W0953812.02	N4453.996	W09538.200
	RW32	N445750.11	W0954218.31	N4457.835	W09542.305

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	01020	45

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