

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW12 CLIMB TO 2700 DIRECT HOVRA AND HOLD.
YEBTY (IF/IAF)	ZAVJO (FB)	125.94 / 6.00	2200	
ZAVJO (FAF)	IXOBE/2.30 NM TO RW12 (FB)	126.01 / 2.79	2700	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.22 INBOUND. CHART FAS OBST: 887 COMMUNICATION TWR 412251N/0911136W DISTANCE TO THLD FROM 666 HATH: 1.94 NM. CHART VDP AT 1.75 MILES TO RW12* *LNAV ONLY. WAAS CHANNEL # 56336 REFERENCE PATH ID: W12A CHART CIRCLING ICON. LTP HAE: 130.4 M
IXOBE/2.30 NM TO RW12	RW12 (MAP) (FO)	126.01 / 2.30		
RW12 (MAP)	947 MSL	126.01		
947 MSL	HOVRA (FO)			

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW YEBTY, RT, 125.94 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC: 126.01 FAF: ZAVJO DIST FAF TO MAP: 5.09 THLD: 5.09
- MIN. ALT: YEBTY 2600, ZAVJO 2200, IXOBE/2.30 NM TO RW12 1300*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2200 GS ALT AT: ZAVJO 2200 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 44.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1W EPOCH YEAR: 2000

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	1202	2 1/2	666	1202	2 1/2	666		NA			NA				
LNAV/VNAV DA	1218	2 1/2	682	1218	2 1/2	682		NA			NA				
LNAV MDA	1140	1	604	1140	1	604		NA			NA				
CIRCLING	1140	1	593	1200	1	653		NA			NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART NOTE: VDP AND BARO-VNAV NA WITH IOWA CITY ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IOWA CITY ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE MUSCATINE, IA	ELEVATION: 547 THRE: 536 AIRPORT NAME: MUSCATINE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 13 NOVEMBER 2014	SUP:
				AMDT: NONE
				DATED

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NOTES, (CONT.):

INCREASE ALL DA 76 FEET AND ALL MDA 80 FEET, INCREASE LPV, LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).

TAA

	FROM	TO	ALT
1.	036/30 CW 216/30 (NOPT)	036/12 CW 216/12	3300
2.	036/12 CW 216/12	YEBTY (IF/IAF) (FB)	2600
3.	216/30 CW 036/30	YEBTY (IF/IAF) (FO)	2700

QUALITY
6
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CITY AND STATE
MUSCATINE, IA

ELEVATION: 547 THRE: 536
AIRPORT NAME:
MUSCATINE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 12, ORIG
13 NOVEMBER 2014

SUP:
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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	KMUT
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	412223.8380N
LTP/FTP LONGITUDE	0910926.6390W
LTP/FTP ELLIPSOIDAL HEIGHT	+01304
FPAP LATITUDE	412132.6060N
FPAP LONGITUDE	0910749.7980W
THRESHOLD CROSSING HEIGHT (TCH)	00044.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

934E28EF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01633
FPAP ORTHOMETRIC HEIGHT	+01633

QUALITY
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CITY AND STATE

MUSCATINE, IA

ELEVATION: 547

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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMUTK3FR12	AYEBTY	010YEBTYK3EA0EE	AR	HF			12590040		+ 02600	18000		A JS	
SUSAP KMUTK3FR12	R	010YEBTYK3EA0E	I	IF					+ 02600	18000		A JS	
SUSAP KMUTK3FR12	R	020ZAVJOK3EA1E	F	051TF			12590060		+ 02200			A JS	
SUSAP KMUTK3FR12	R	020ZAVJOK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KMUTK3FR12	R	021IXOBK3EA0E	S	031TF			12600028	V	0130001312	-300		A JS	
SUSAP KMUTK3FR12	R	030RW12 K3PGOGY	M	031TF			12600023		00580	-300		A JS	
SUSAP KMUTK3FR12	R	040	0	M	CA		1260		+ 00947			A JS	
SUSAP KMUTK3FR12	R	050HOVRAK5EA0EY		DF					+ 02700			A JS	
SUSAP KMUTK3FR12	R	060HOVRAK5EA0EE	R	HM			30620040		+ 02700			A JS	

[illegible][illegible]

OFFICE
CHECK

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	AIRPORT NAME: MUSCATINE MUNI	RNAV	RNAV (GPS) RWY 12, ORIG 13 NOVEMBER 2014	AMDT: NONE
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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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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
	YEPTY	YEPTY	010	IAF	HF	R	FO		125.9 (124.9T)	004.0	AA 02600	
		YEPTY	010	FACF	IF		FB				AA 02600	
		ZAVJO	020	FAF	TF		FB	0.5	125.9 (124.9T)	006.0	AA 02200	
		IXOBE	021	SDF	TF		FB	0.3	126.0 (125.0T)	002.8	AA 01300	GS 01312
		RW12	030	MAP	TF		FO	0.3	126.0 (125.0T)	002.3	AT 00580	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		126.0 (125.0T)		AA 00947	
	HOVRA	050		DF		FO				AA 02700	
	HOVRA	060		HM	R	FO		306.2 (305.2T)	004.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOVRA	N411527.44	W0905622.09	N4115.457	W09056.368
	IXOBE	N412343.15	W0911156.71	N4123.719	W09111.945
	YEPTY	N412845.65	W0912131.03	N4128.761	W09121.517
	ZAVJO	N412519.19	W0911458.74	N4125.320	W09114.979
	RW12	N412223.84	W0910926.64	N4122.397	W09109.444

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12	00536	44

QUALITY
6
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	MUSCATINE MUNI	RNAV	13 NOVEMBER 2014	DATED:	