

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>				<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				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.							
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW16  CLIMB TO 3000 DIRECT TUSZL AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 343.67 INBOUND. CHART FAS OBST: 1424 WTR TWR 440133N/0925051W DISTANCE TO THLD FROM 250 HATH: 0.66 NM. CHART VDP AT 1.11 MILES TO RW16* *LNAV ONLY. WAAS CHANNEL #: 97532 REFERENCE PATH ID: W16A CHART CIRCLING ICON. LTP HAE: 366.5 M					
RST VOR/DME		HOMLU (FB)		359.29 / 21.62				3000							
HOMLU		WOKAB (FB)		313.19 / 8.10				3000							
ALMAY		YINUR (FB)		070.53 / 22.99				3000							
FOBUG (IAF)		JOPSU (NOPT) (FB)		153.31 / 14.38				3000							
YINUR (IAF)		JOPSU (NOPT) (FB)		074.10 / 8.00				3000							
WOKAB (IAF)		JOPSU (NOPT) (FB)		253.06 / 8.00				3000							
JOPSU (IF/IAF)		WEDAM (FB)		163.59 / 6.01				3000		(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 N JOPSU, RT, 163.59 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 163.61 FAF: WEDAM DIST FAF TO MAP: 5.22 THLD: 5.22 4. MIN. ALT: JOPSU 3000, WEDAM 3000, VEYVU/2.80 NM TO RW16 2220* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCP: 3000 GS ALT AT: WEDAM 3000 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW16 3500															
MAG VAR: 2E EPOCH YEAR: 2000															
<b>MINIMUMS</b>															
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	1549	1	250	1549	1	250	1549	1	250		NA				
LNAV/VNAV DA	1586	1	287	1586	1	287	1586	1	287		NA				
LNAV MDA	1680	1	381	1680	1	381	1680	1 1/8	381		NA				
CIRCLING	1960	1	656	1960	1	656	1960	1 3/4	656		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALMAY ON V505 SOUTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RST VOR/DME AIRWAY RADIALS 286 CW 076. (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 1304 THRE: 1299		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
DODGE CENTER, MN				AIRPORT NAME: DODGE CENTER				RNAV (GPS) RWY 16, AMDT 1				AMDT: ORIG			
								22 AUGUST 2013				DATED 01/15/2009			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**TERMINAL ROUTES, (CONT.):**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WEDAM (FAF)	VEYVU/2.80 NM TO RW16 (FB)	163.61 / 2.42	
VEYVU/2.80 NM TO RW16	RW16 (MAP) (FO)	163.61 / 2.80	
RW16 (MAP)	1549 MSL	163.61	
1549 MSL	TUSZL (FO)		3000

**NOTES, (CONT.):**

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: BARO-VNAV AND VDP NA WITH ROCHESTER INTL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER INTL ALTIMETER SETTING AND INCREASE ALL DA 39 FEET AND ALL MDA 40 FEET, AND INCREASE LNAV/VNAV ALL CATS, LNAV CAT C VISIBILITY 1/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.



**CITY AND STATE**  
**DODGE CENTER, MN**

**ELEVATION: 1304 THRE: 1299**  
**AIRPORT NAME:**  
**DODGE CENTER**

**FACILITY IDENTIFIER:**  
**RNAV**

**PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:**  
**RNAV (GPS) RWY 16, AMDT 1**  
**22 AUGUST 2013**

**SUP:**  
**AMDT: ORIG**  
**DATED: 01/15/2009**

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	KTOB
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	440123.4410N
LTP/FTP LONGITUDE	0924957.4635W
LTP/FTP ELLIPSOIDAL HEIGHT	+03665
FPAP LATITUDE	435957.1225N
FPAP LONGITUDE	0924926.8280W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

D5894E33

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03959
FPAP ORTHOMETRIC HEIGHT	+03959

QUALITY  
2  
CHECKED

CITY AND STATE

DODGE CENTER, MN

ELEVATION: 1304

THRE: 1299

AIRPORT NAME:

DODGE CENTER

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, AMDT 1

22 AUGUST 2013

SUP:

AMDT:

ORIG

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01/15/2009

## **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 KTOBK3FR16	AALMAY	010ALMAYK3EA0E	IF							18000		A JS	
SUSAP KTOBK3FR16	AALMAY	020YINURK3EA0E	A 020TF			07050230		+ 03000				A JS	
SUSAP KTOBK3FR16	AALMAY	030JOPSUK3EA0EE	B 010TF			07410080		+ 03000				A JS	
SUSAP KTOBK3FR16	AFOBUG	010FOBUGK3EA0E	A IF							18000		A JS	
SUSAP KTOBK3FR16	AFOBUG	020JOPSUK3EA0EE	B 010TF			15330144		+ 03000				A JS	
SUSAP KTOBK3FR16	AJOPSU	010JOPSUK3EA0EE	AR HF			16360040		+ 03000		18000		A JS	
SUSAP KTOBK3FR16	ARST	010RST K3D 0V	IF							18000		A JS	
SUSAP KTOBK3FR16	ARST	020HOMLUK3EA0E	020TF			35930216		+ 03000				A JS	
SUSAP KTOBK3FR16	ARST	030WOKABK3EA0E	A 020TF			31320081		+ 03000				A JS	
SUSAP KTOBK3FR16	ARST	040JOPSUK3EA0EE	B 010TF			25310080		+ 03000				A JS	
SUSAP KTOBK3FR16	R	010JOPSUK3EA0E	I IF							18000		A JS	
SUSAP KTOBK3FR16	R	020WEDAMK3EA1E	F 051TF			16360060		+ 03000			RW16 K3PGA	JS	
SUSAP KTOBK3FR16	R	020WEDAMK3EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KTOBK3FR16	R	021VEYVUK3EA0E	S 031TF			16360024		V 0222002230		-300		A JS	
SUSAP KTOBK3FR16	R	030RW16 K3PGOGY	M 031TF			16360028		01339		-300		A JS	
SUSAP KTOBK3FR16	R	040	0 M CA			1636		+ 01549				A JS	
SUSAP KTOBK3FR16	R	050TUSZLK3EA0EY	DF					+ 03000				A JS	
SUSAP KTOBK3FR16	R	060TUSZLK3EA0EE	R HM			34370040		+ 03000				A JS	

CITY AND STATE  
DODGE CENTER, MN

ELEVATION: 1304      THRE: 1299  
AIRPORT NAME:      DODGE CENTER

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**RNAV (GPS) RWY 16, AMDT 1**  
 22 AUGUST 2013

SUP:	
AMDT:	ORIG
DATED:	01/15/2009

## **RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

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QUALITY  
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CITY AND STATE <b>DODGE CENTER, MN</b>	ELEVATION: <b>1304</b> <b>THRE: 1299</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 16, AMDT 1</b>	SUP:
	AIRPORT NAME: <b>DODGE CENTER</b>	<b>RNAV</b>	22 AUGUST 2013	AMDT: <b>ORIG</b>
				DATED: <b>01/15/2009</b>

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**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
	ALMAY	ALMAY	010		IF		FB					
	ALMAY	YINUR	020	IAF	TF		FB	2.0	070.5(072.5T)	023.0	AA 03000	
	ALMAY	JOPSU	030		TF		FB	1.0	074.1(076.1T)	008.0	AA 03000	
	FOBUG	FOBUG	010	IAF	IF		FB					
	FOBUG	JOPSU	020		TF		FB	1.0	153.3(155.3T)	014.4	AA 03000	
	JOPSU	JOPSU	010	IAF	HF	R	FO		163.6(165.6T)	004.0	AA 03000	
	RST	RST	010		IF		FB					
	RST	HOMLU	020		TF		FB	2.0	359.3(001.3T)	021.6	AA 03000	
	RST	WOKAB	030	IAF	TF		FB	2.0	313.2(315.2T)	008.1	AA 03000	
	RST	JOPSU	040		TF		FB	1.0	253.1(255.1T)	008.0	AA 03000	
		JOPSU	010	FACF	IF		FB				AA 03000	
		WEDAM	020	FAF	TF		FB	0.5	163.6(165.6T)	006.0	AA 03000	
		VEYVU	021	SDF	TF		FB	0.3	163.6(165.6T)	002.4	AA 02220	GS 02230
		RW16	030	MAP	TF		FO	0.3	163.6(165.6T)	002.8	AT 01339	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		163.6(165.6T)		AA 01549	
	TUSZL	050		DF		FO				AA 03000	
	TUSZL	060		HM	R	FO		343.7(345.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RST	N434658.56	W0923548.98	N4346.976	W09235.816
	ALMAY	N440330.87	W0933506.10	N4403.515	W09335.102
	FOBUG	N442519.96	W0930210.66	N4425.333	W09302.178
	HOMLU	N440835.46	W0923508.31	N4408.591	W09235.139
	JOPSU	N441215.91	W0925349.86	N4412.265	W09253.831
	TUSZL	N434949.25	W0924551.76	N4349.821	W09245.863
	VEYVU	N440406.19	W0925055.30	N4404.103	W09250.922
	WEDAM	N440626.63	W0925145.27	N4406.444	W09251.755
	WOKAB	N441420.17	W0924305.07	N4414.336	W09243.085
	YINUR	N441021.09	W0930437.66	N4410.352	W09304.628
	RW16	N440123.44	W0924957.46	N4401.391	W09249.958

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	01299	40

QUALITY  
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CHECKED

CITY AND STATE <b>DODGE CENTER, MN</b>	ELEVATION: <b>1304</b> THRE: <b>1299</b>	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>DODGE CENTER</b>	<b>RNAV</b>	<b>RNAV (GPS) RWY 16, AMDT 1</b> 22 AUGUST 2013	AMDT: <b>ORIG</b>
				DATED: <b>01/15/2009</b>