

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												
DBQ VORTAC	WITOK (FO)	356.38 / 13.07	3000	LPV: DA LNAV/VNAV: DA LNAV: RW18											
CASSY (IAF)	WITOK (NOPT) (FB)	115.08 / 15.91	3000												
SWAGG (IAF)	WITOK (NOPT) (FB)	154.79 / 14.67	3000	CLIMB TO 2700 DIRECT DIVGE AND HOLD.											
BAULK (IAF)	WITOK (NOPT) (FB)	257.47 / 23.25	3000												
WITOK (IF/IAF)	ZUGNI (FB)	176.95 / 7.00	2900	ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.95 INBOUND. CHART FAS OBST: 1169 TREE 422502N/0904332W CHART FAS OBST: 1267 TOWER 423010N/0904225W DISTANCE TO THLD FROM 250 HATH: 0.63 NM. CHART VDP AT 1.30 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 56431 REFERENCE PATH ID: W18A LTP HAE: 294.6 M											
ZUGNI (FAF)	RW18 (MAP) (FO)	176.95 / 5.58													
RW18 (MAP)	1323 MSL	176.95													
1323 MSL	DIVGE (FO)		2700												
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD N WITOK, RT, 176.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 176.95 FAF: ZUGNI DIST FAF TO MAP: 5.58 THLD: 5.58 4. MIN. ALT: WITOK 3000, ZUGNI 2900 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2900 GS ALT AT: ZUGNI 2900 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR 8. MSA FROM: RW18 2900				MAG VAR: 3E EPOCH YEAR: 1975											
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	1323	3/4	250	1323	3/4	250	1323	3/4	250	1323	3/4	250			
LNAV/VNAV DA	1332	7/8	259	1332	7/8	259	1332	7/8	259	1332	7/8	259			
LNAV MDA	1520	1	447	1520	1	447	1520	1 3/8	447	1520	1 3/8	447			
CIRCLING	1580	1	503	1580	1	503	1580	1 1/2	503	1640	2	563			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -28C (-18F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTICELLO ALTIMETER SETTING AND INCREASE ALL DA 88 FEET AND ALL MDA 100 FEET, INCREASE LPV ALL CATS VISIBILITY TO 1 1/8 MILE, (SEE FORM 8260-10) @ NA WHEN LOCAL WEATHER NOT AVAILABLE.															
CITY AND STATE		ELEVATION: 1077 THRE: 1073		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DUBUQUE, IA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 18, ORIG				AMDT: NONE					
		DUBUQUE RGNL				10 JANUARY 2013				DATED					



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NOTES, (CONT.):

INCREASE LNAV/VNAV ALL CATS 1/4, LNAV CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MONTICELLO ALTIMETER SETTING.

CITY AND STATE

DUBUQUE, IA

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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	KDBQ
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	422434.6435N
LTP/FTP LONGITUDE	0904243.3415W
LTP/FTP ELLIPSOIDAL HEIGHT	+02946
FPAP LATITUDE	422305.5100N
FPAP LONGITUDE	0904243.2400W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0824
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

E3F19E6D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03270
FPAP ORTHOMETRIC HEIGHT	+03270

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDBQK3FR18	ABAU	010BAUL	KK5EA0E	A	IF				18000		A	JS
SUSAP	KDBQK3FR18	ABAU	020WITOK	K3EA0EE	B	010TF	25750233	+	03000			A	JS
SUSAP	KDBQK3FR18	ACASSY	010CASSY	K5EA0E	A	IF				18000		A	JS
SUSAP	KDBQK3FR18	ACASSY	020WITOK	K3EA0EE	B	010TF	11510159	+	03000			A	JS
SUSAP	KDBQK3FR18	ADBQ	010DBQ	K3D 0V		IF				18000		A	JS
SUSAP	KDBQK3FR18	ADBQ	020WITOK	K3EA0EY		020TF	35640131	+	03000			A	JS
SUSAP	KDBQK3FR18	ADBQ	030WITOK	K3EA0EE	AR	HF	17700040	+	03000			A	JS
SUSAP	KDBQK3FR18	ASWAGG	010SWAGG	K5EA0E	A	IF				18000		A	JS
SUSAP	KDBQK3FR18	ASWAGG	020WITOK	K3EA0EE	B	010TF	15480147	+	03000			A	JS
SUSAP	KDBQK3FR18	R	010WITOK	K3EA0E	I	IF				18000		A	JS
SUSAP	KDBQK3FR18	R	020ZUGNIK	3EA1E	F	051TF	17700070	+	02900		RW18	K3PGA	JS
SUSAP	KDBQK3FR18	R	020ZUGNIK	3EA2WALPV			ALNAV/VNAV	ALNAV					JS
SUSAP	KDBQK3FR18	R	030RW18	K3PGOGY	M	031TF	17700056		01123	-300		A	JS
SUSAP	KDBQK3FR18	R	040		0	M	CA	1770	+	01323		A	JS
SUSAP	KDBQK3FR18	R	050DIVGEK	3EA0EY		DF			+	02700		A	JS
SUSAP	KDBQK3FR18	R	060DIVGEK	3EA0EE	R	HM	35700040	+	02700			A	JS

[illegible]

CITY AND STATE <b>DUBUQUE, IA</b>	ELEVATION: <b>1077</b> <b>THRE: 1073</b> AIRPORT NAME: <b>DUBUQUE RGNL</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 18, ORIG</b>  10 JANUARY 2013	SUP:
				AMDT: <b>NONE</b>
				DATED:

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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
	BAULK	BAULK	010	IAF	IF		FB					
	BAULK	WITOK	020		TF		FB	1.0	257.5 (260.5T)	023.3	AA 03000	
	CASSY	CASSY	010	IAF	IF		FB					
	CASSY	WITOK	020		TF		FB	1.0	115.1 (118.1T)	015.9	AA 03000	
	DBQ	DBQ	010		IF		FB					
	DBQ	WITOK	020		TF		FO	2.0	356.4 (359.4T)	013.1	AA 03000	
	DBQ	WITOK	030	IAF	HF	R	FO		177.0 (180.0T)	004.0	AA 03000	
	SWAGG	SWAGG	010	IAF	IF		FB					
	SWAGG	WITOK	020		TF		FB	1.0	154.8 (157.8T)	014.7	AA 03000	
		WITOK	010	FACF	IF		FB				AA 03000	
		ZUGNI	020	FAF	TF		FB	0.5	177.0 (180.0T)	007.0	AA 02900	
		RW18	030	MAP	TF		FO	0.3	177.0 (180.0T)	005.6	AT 01123	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		177.0 (180.0T)		AA 01323	
	DIVGE	050		DF		FO				AA 02700	
	DIVGE	060		HM	R	FO		357.0 (360.0T)	004.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBQ	N422405.30	W0904232.67	N4224.088	W09042.545
	BAULK	N424105.09	W0901140.75	N4241.085	W09011.679
	CASSY	N424440.73	W0910144.86	N4244.679	W09101.748
	DIVGE	N421219.90	W0904242.47	N4212.332	W09042.708
	SWAGG	N425044.86	W0905014.75	N4250.748	W09050.246
	WITOK	N423709.71	W0904244.23	N4237.162	W09042.737
	ZUGNI	N423009.57	W0904243.73	N4230.160	W09042.729
	RW18	N422434.64	W0904243.34	N4224.577	W09042.722

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW18	01073	50

CITY AND STATE  
DUBUQUE, IA

ELEVATION: 1077 THRE: 1073  
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