Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 01/24/2012	Task #: 2012012428303001001	Request #: 20120124283030
Procedure: RNAV (GPS) RWY 18 ORIG		Airport ID: KDBQ	Airport: DUBUQUE RGNL		Reimbursable #:
City: DUBUQUE	**ST:** IA	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	**Fac. Type:** LPV		Specialist: AISHAT NAUZO		

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	06/14/2012	09/26/2012	STEVEN SZUKALA	
QA:	09/26/2012	09/26/2012	STEVEN SZUKALA	
Liaison:	09/26/2012		Spurlin	

92

Procedure Comments: **Remark Type:** INFORMATION

pkg/of 1

DUBUQUE, IA DUBUQUE RGNL (KDBQ) RNAV (GPS) RWY 18, ORIG (LPV) ENROUTE-NO FC: 11.27.12 PUB: 1.10.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): BAULK-INT, REV 6; DIVGE, REV 1; WITOK, ORIG; ZUGNI, ORIG; (INFO ONLY) CASSY-INT, REV 9; DUBUQUE (DBQ) VTAC, REV 16; SWAGG-INT, REV 2.

FLCK NOTE: FLIGHT INSPECTION VERIFICATION OF VGSI FOR ALL RWYS REQUESTED.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

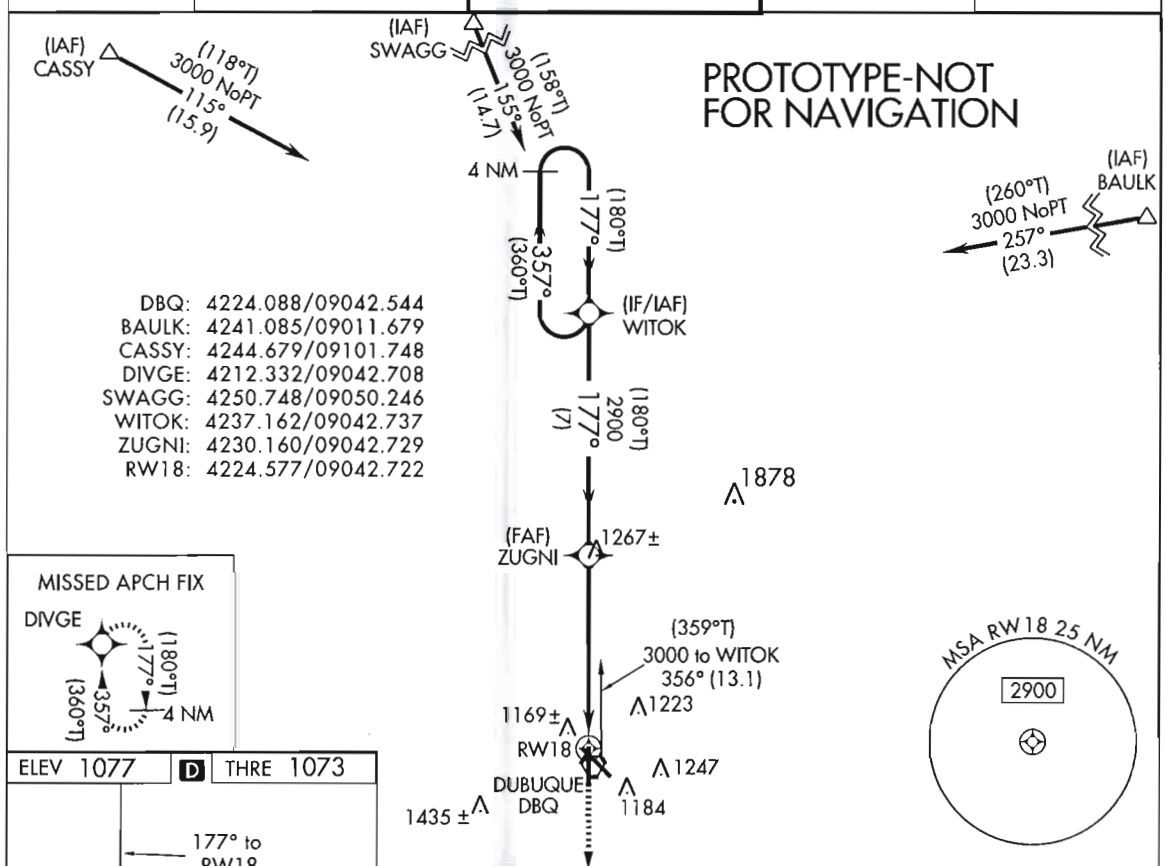
WAAS Chan 56431 W18A	APP CRS 177°	Rwy ldg 6327 THRE 1073 Apt Elev 1077

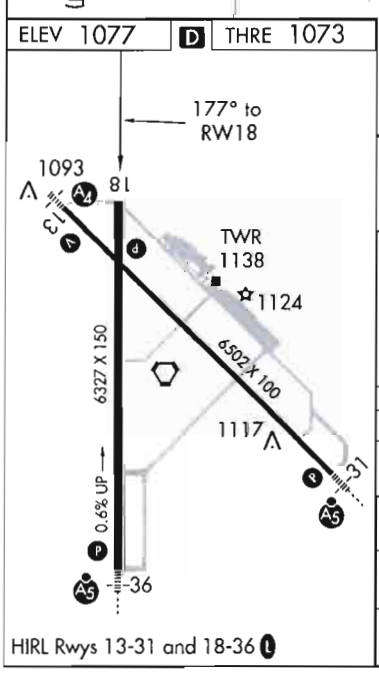
RNAV (GPS) RWY 18
DUBUQUE RGNL (DBQ)

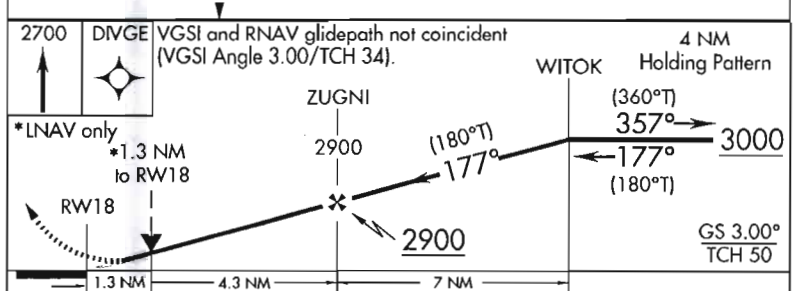
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -28°C (-18°F) or above 54°C (130°F). When local altimeter setting not received, use Monticello altimeter setting and increase all DA 88 feet and all MDA 100 feet, increase LPV all Cats visibility to 1⅛ mile, increase LNAV/VNAV all Cats ¼, LNAV Cat C and D and Circling Cat C visibility ¼ mile. DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Monticello altimeter setting.

MISSED APPROACH: Climb to 2700 direct DIVGE and hold.

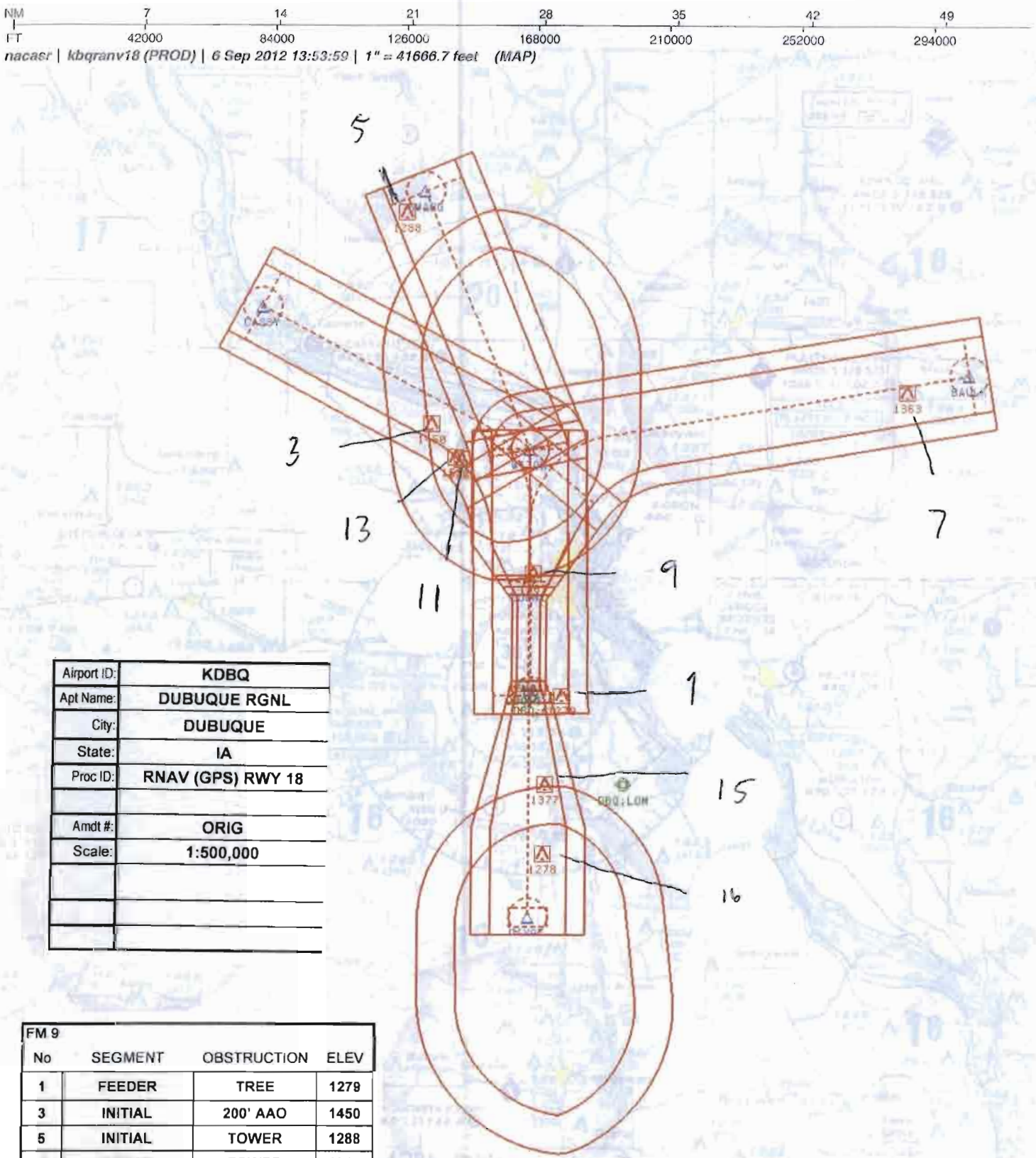
ATIS	CHICAGO CENTER	DUBUQUE TOWER★	GND CON	UNICOM
127.25	133.95 281.4	119.5 (CTAF) L 254.4	121.8	122.95







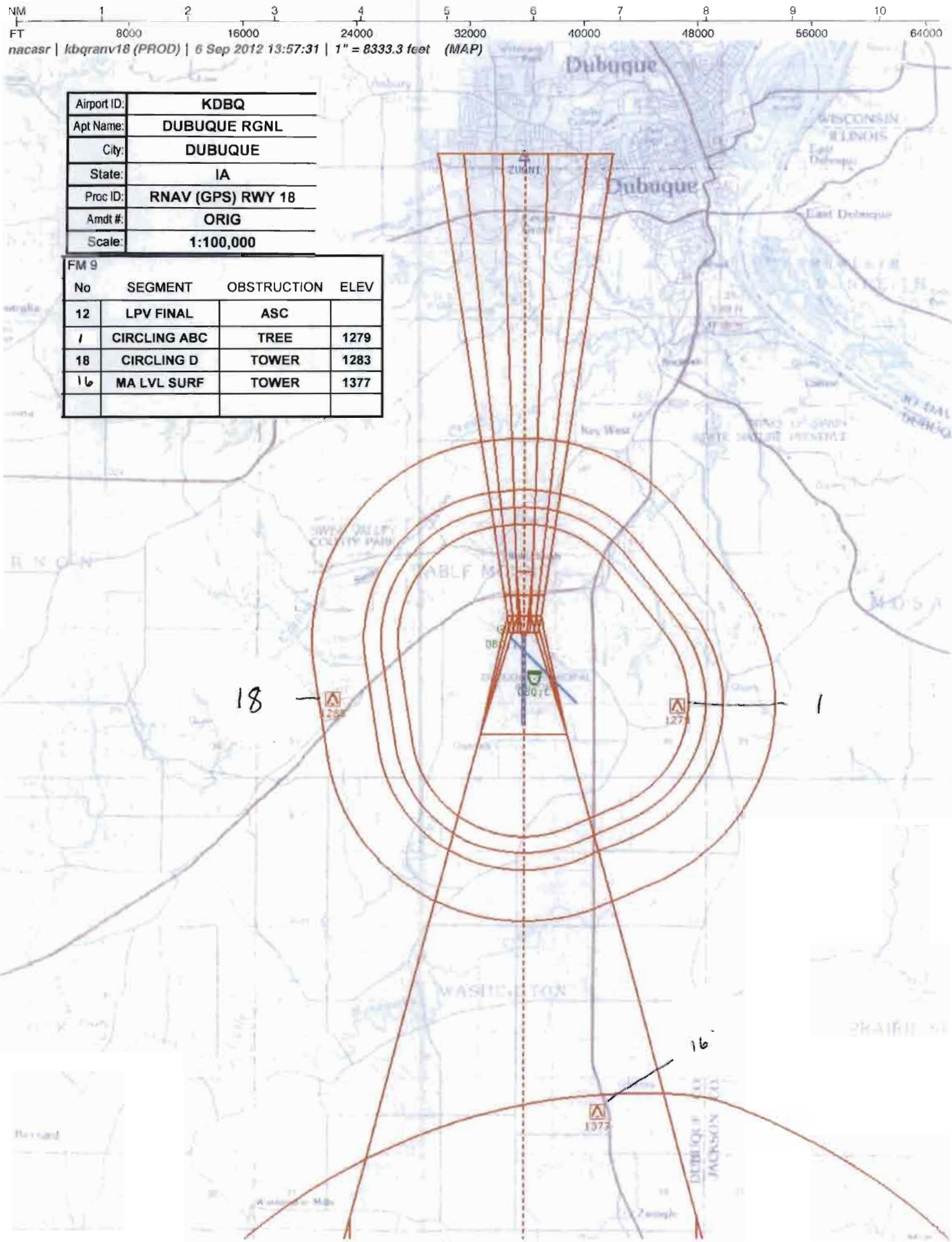
CATEGORY	A	B	C	D
LPV DA	1323-¾ 250 (300-¾)			
LNAV/VNAV DA	1332-⅞ 259 (300-⅞)			
LNAV MDA	1520-1 447 (500-1)		1520-1⅜ 447 (500-1⅜)	
CIRCLING	1580-1 503 (600-1)		1580-1½ 503 (600-1½)	1640-2 563 (600-2)



Airport ID:	KDBQ
Apt Name:	DUBUQUE RGNL
City:	DUBUQUE
State:	IA
Proc ID:	RNAV (GPS) RWY 18
Amdt #:	ORIG
Scale:	1:500,000

FM 9

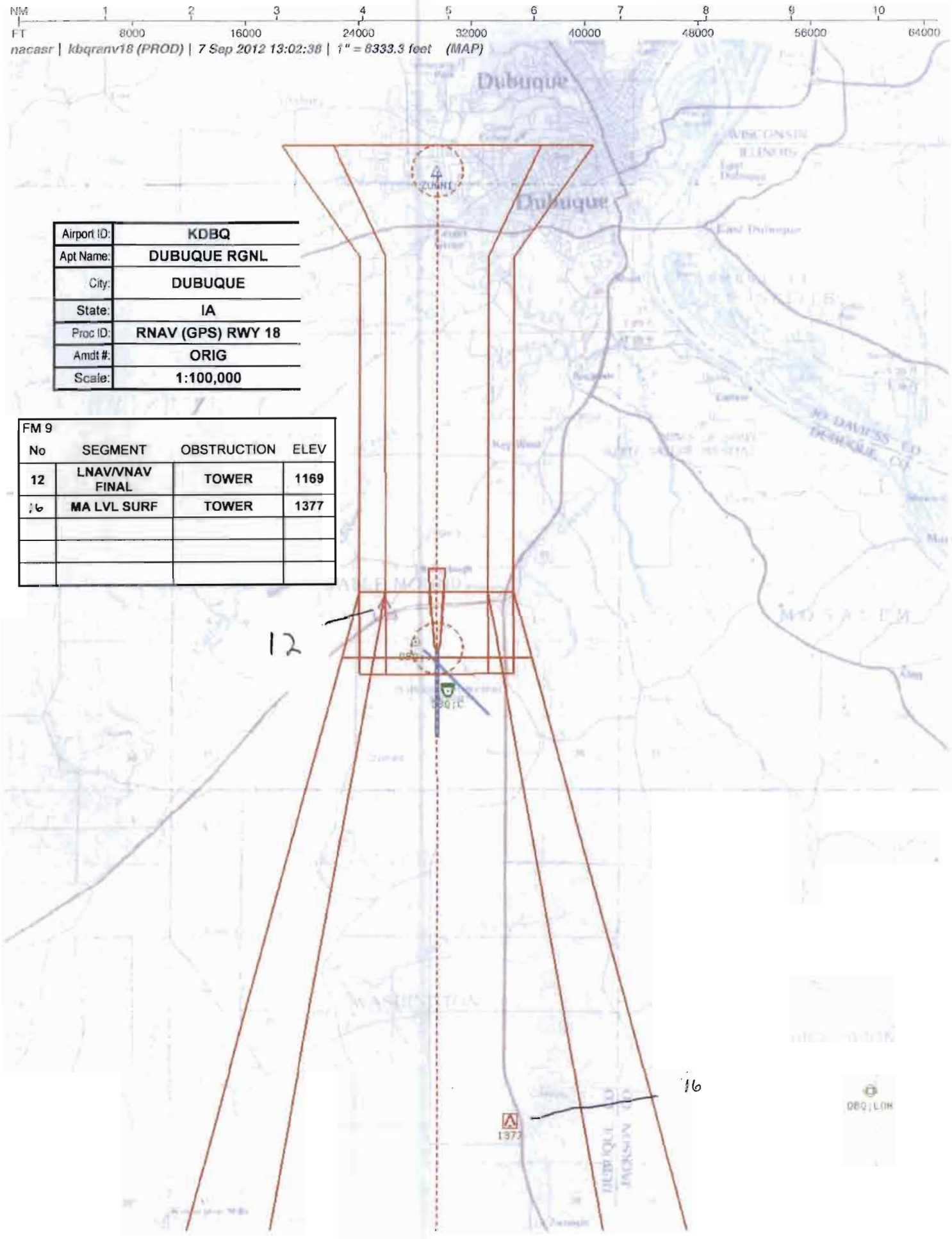
No	SEGMENT	OBSTRUCTION	ELEV
1	FEEDER	TREE	1279
3	INITIAL	200' AAO	1450
5	INITIAL	TOWER	1288
7	INITIAL	TOWER	1363
9	INTERMEDIATE	TOWER	1267
11	INTERMEDIATE	200' AAO	1385
13	HOLD-IN-LIEU-OF-PT	TOWER	1532
15	MA LVL SURF	TOWER	1377
16	MISS HOLD	TOWER	1278



Airport ID:	KDBQ
Apt Name:	DUBUQUE RGNL
City:	DUBUQUE
State:	IA
Proc ID:	RNAV (GPS) RWY 18
Amdt #:	ORIG
Scale:	1:100,000

FM 9

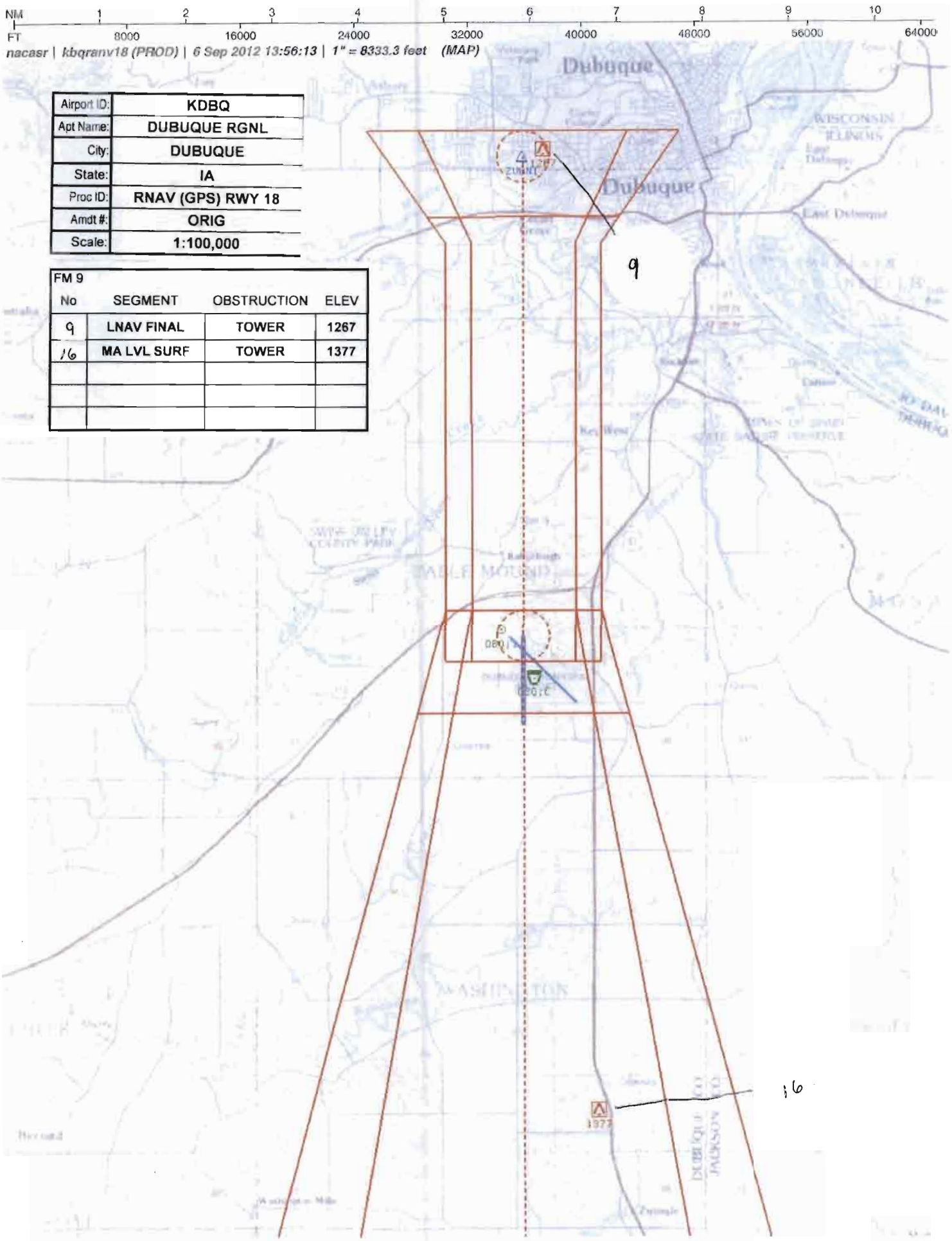
No	SEGMENT	OBSTRUCTION	ELEV
12	LPV FINAL	ASC	
1	CIRCLING ABC	TREE	1279
18	CIRCLING D	TOWER	1283
16	MA LVL SURF	TOWER	1377



Airport ID:	KDBQ
Apt Name:	DUBUQUE RGNL
City:	DUBUQUE
State:	IA
Proc ID:	RNAV (GPS) RWY 18
Amdt #:	ORIG
Scale:	1:100,000

FM 9

No	SEGMENT	OBSTRUCTION	ELEV
12	LNAV/VNAV FINAL	TOWER	1169
16	MA LVL SURF	TOWER	1377



Airport ID:	KDBQ
Apt Name:	DUBUQUE RGNL
City:	DUBUQUE
State:	IA
Proc ID:	RNAV (GPS) RWY 18
Amdt #:	ORIG
Scale:	1:100,000

FM 9

No	SEGMENT	OBSTRUCTION	ELEV
9	LNAV FINAL	TOWER	1267
16	MA LVL SURF	TOWER	1377

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DBQ VORTAC	WITOK (FO)	356.38 / 13.07	3000
CASSY (IAF)	WITOK (NOPT) (FB)	115.08 / 15.91	3000
SWAGG (IAF)	WITOK (NOPT) (FB)	154.79 / 14.67	3000
BAULK (IAF)	WITOK (NOPT) (FB)	257.47 / 23.25	3000
WITOK (IF/IAF)	ZUGNI (FB)	176.95 / 7.00	2900
ZUGNI (FAF)	RW18 (MAP) (FO)	176.95 / 5.58	
RW18 (MAP)	1323 MSL	176.95	
1323 MSL	DIVGE (FO)		2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 2700 DIRECT DIVGE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (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

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

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.

QUALITY CHECKED

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

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **ZAU, DBQ ATCT**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
TERENCE D. SHARP (STEPHEN ROCCO)	**AJV-351**	**09/05/2012**

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	**MANAGER**	**AJV-353**	

CHANGES:

ORIGINAL PROCEDURE.

REASONS:

PDF EDITS:
1. ADDED "(FAF)" AFTER ZUGNI IN TERMINAL ROUTES ON 8260-3.
2. CHANGED MISSED APCH ALTITUDE FROM "1273" TO "2700" IN TERMINAL ROUTES ON 8260-3.
3. ADDED "24/BACKUP" TO HOURS OF REMOTE OPERATION ON 8260-9, PART B, BLOCK 3.
4. ADDED "88" TO BACKUP ALTIMETER ADJUSTMENT ON 8260-9, PART B, BLOCK 3.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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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.

QUALITY CHECKED

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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDBQ
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
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

QUALITY 4 CHECKED

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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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 PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        DBQ   K3011580VTHW N42240530W090423267    N42240530W090423267E0040010512     NARDUBUQUE

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   BAULK K50    C   L N42410509W090114075                    W0017     NAR           BAULK
          SUSAEAENRT   CASSY K50    C   L N42444073W091014486                    W0010     NAR           CASSY
          SUSAEAENRT   DIVGE K30    W     N42121990W090424247                    W0012     NAR           DIVGE
          SUSAEAENRT   SWAGG K50    C   L N42504486W090501475                    W0012     NAR           SWAGG
          SUSAEAENRT   WITOK K30    W     N42370971W090424423                    W0013     NAR           WITOK
          SUSAEAENRT   ZUGNI K30    W     N42300957W090424373                    W0013     NAR           ZUGNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDBQK3ADBQ     0     065YHN42240720W090423410E003001077         1800018000C    MNAR    DUBUQUE RGNL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDBQK3FR18   ABAULK 010BAULKK5EA0E  A    IF                                          18000                A JS
          SUSAP KDBQK3FR18   ABAULK 020WITOKK3EA0EE B 010TF                    25750233    + 03000                      A JS
          SUSAP KDBQK3FR18   ACASSY 010CASSYK5EA0E  A    IF                                          18000                A JS
          SUSAP KDBQK3FR18   ACASSY 020WITOKK3EA0EE B 010TF                    11510159    + 03000                      A JS
          SUSAP KDBQK3FR18   ADBQ   010DBQ  K3D 0V       IF                                          18000                A JS
          SUSAP KDBQK3FR18   ADBQ   020WITOKK3EA0EY   020TF                    35640131    + 03000                      A JS
          SUSAP KDBQK3FR18   ADBQ   030WITOKK3EA0EE AR   HF                    17700040    + 03000                      A JS
          SUSAP KDBQK3FR18   ASWAGG 010SWAGGK5EA0E  A    IF                                          18000                A JS
          SUSAP KDBQK3FR18   ASWAGG 020WITOKK3EA0EE B 010TF                    15480147    + 03000                      A JS
          SUSAP KDBQK3FR18   R      010WITOKK3EA0E  I    IF                                + 03000   18000              A JS
          SUSAP KDBQK3FR18   R      020ZUGNIK3EA1E  F 051TF                    17700070    + 02900             RW18  K3PGA JS
          SUSAP KDBQK3FR18   R      020ZUGNIK3EA2WALPV       ALNAV/VNAV ALNAV                                            JS
          SUSAP KDBQK3FR18   R      030RW18 K3PG0GY M 031TF                    17700056      01123          -300         A JS
          SUSAP KDBQK3FR18   R      040         0  M     CA                    1770        + 01323                      A JS
          SUSAP KDBQK3FR18   R      050DIVGEK3EA0EY      DF                                + 02700                      A JS
          SUSAP KDBQK3FR18   R      060DIVGEK3EA0EE  R   HM                    35700040    + 02700                      A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDBQK3GRW18    0063271770 N42243464W090424334-0600    +0294601073000050150R
```

CHART IV 4 CHECKED

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

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDBQK3PR18   RW18 001 0000W18A0N4224346435W09042433415+029460300N4223055100W090424324001067508240005 00F400500E3F19E6D
        SUSAP KDBQK3PR18   RW18 002E      +03270+03270LPV       56431

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDBQK3SRW18 K3PG                0   18018002925                                                                          M
```

QUALITY 4 CHECKED

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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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
	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	RWY	THRESHOLD ELEVATION	TCH
	RW18	01073	50

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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	DBQ VORTAC	WITOK	1. TREE	422340.24N/0904019.38W	1279 (2C)	1000	AT721	3000
			2. TERRAIN	422427.00N/0904503.00W	1136 (1100)		AS1500	2600
INITIAL	CASSY	WITOK	3. AAO	423807.71N/0904946.52W	1429 (2C)	1000	AT571	3000
			4. TERRAIN	423807.71N/0904946.52W	1229 (1200)		AS1500	2700
INITIAL	SWAGG	WITOK	5. TOWER (55-020121)	424913.52N/0905131.03W	1288 (5E)	1000	AT712	3000
			6. TERRAIN	425003.00N/0904703.00W	1050 (1100)		AS1500	2600
INITIAL	BAULK	WITOK	7. TOWER (55-001875)	423947.01N/0901558.47W	1363 (5E)	1000	AT637	3000
			8. TERRAIN	423947.01N/0901558.47W	1100 (1100)		AS1500	2600
INTERMEDIATE	WITOK (IF/IAF)	ZUGNI	9. TOWER (19-000018)	423010.00N/0904225.00W	1267 (3C)	1000	AT633	2900
			10. TERRAIN	423136.00N/0904225.00W	974 (1000)		AS1500	2500
INTERMEDIATE	WITOK	ZUGNI	11. AAO	423612.00N/0904733.00W	1385 (4E)	500		1900
			10. TERRAIN	423136.00N/0904225.00W	974 (1000)		AS1500	2500
FINAL: LPV	ZUGNI	RW18				ASC		1323/250
FINAL: LNAV/VNAV	ZUGNI	RW18	12. TREE (KDBQ0009)	422502.16N/0904331.94W	1169 (1A)	23.44:1	MA2	1332/259
2. HOLD-IN-LIEU-OF-PT	WITOK	P-5	13. TOWER (19-001399)	423621.00N/0904757.00W	1532 (2C)	1000	AT468	3000
			14. TERRAIN	423806.00N/0904757.00W	1250 (1300)		AS1500	2800
3. MISSED APPROACH MAP:	DA / DA / RW18	DIVGE	15. TREE (KDBQT0076)	422450.38N/0904336.77W	1171 (1A)	ASC		3000
			16. TOWER (19-002517)	421857.26N/0904133.28W	1377 (2C)	1000	AT323	2700
ELEV:	1136/1171/1420		17. TERRAIN	422309.00N/0904203.00W	1103 (1100)		AS1500	2600

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED 350	ACTUAL 503	1. TREE	422340.24N/0904019.38W	1279 (2C)	300		1580
CATEGORY B	1.5 NM	REQUIRED 450	ACTUAL 503	1. TREE	422340.24N/0904019.38W	1279 (2C)	300		1580
CATEGORY C	1.7 NM	REQUIRED 450	ACTUAL 503	1. TREE	422340.24N/0904019.38W	1279 (2C)	300		1580
CATEGORY D	2.3 NM	REQUIRED 550	ACTUAL 563	18. TOWER	422344.84N/0904541.53W	1283 (1B)	300	HAA	1640
CATEGORY E	4.5 NM	REQUIRED 550	ACTUAL						

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW18**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (55-001762)	028/ 08.3	1878 (5E)	2900					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DUBUQUE, IA	ELEVATION: 1077 AIRPORT NAME: DUBUQUE RGNL	RNAV	RNAV (GPS) RWY 18, ORIG	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZAU ARTCC DBQ TOWER	N W S / OTHER: ASOS F A A A / C	SOURCE: KDBQ / KMXO DISTANCE: 0 / 22.95 HOURS REMOTE OPERATION:
SATISFACTORY ON: X V H F X U H F H F	LOCATION: KDBQ	ADJUSTMENT: 0 / 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALS 13 (PCL) MALSR 31 (PCL), 36 (PCL)
	X	HIRL 31 (PCL), 18 (PCL), 36 (PCL), 13 (PCL)
		MIRL
		REIL
		TDZ
		C/LINE
	X	OTHER (SPECIFY) VASI-4R 13 (PCL) PAPI-4L 31 (PCL), 18 (PCL), 36 (PCL)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 31, 18, 36, 13
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	36
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 1072.9
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 50.0

9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: TERENCE D. SHARP (STEPHEN ROCCO)	DATE: 09/05/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-351

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KDBQ ASOS AND KMXO AWOS ON SERVICE-A.
RASS PRESSURE PATTERNS SAME.
KDBQ 1076.5, KMXO 832
RA = 88FT

AVERAGE VEGETATION OF 125 FT USED PER FPT.

VGSI DATA: 3.00/33.6

AVERAGE COLD TEMPERATURE BASED ON A 5-YEAR HISTORY (2007-2011).

SEE ATTACHED AIRSPACE LETTER.

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV	**ZUGNI**	**RW18**	**9. TOWER (19-000018)**	**423010.00N/0904225.00W**	**1267 (3C)**	**250**		**1520**
3. MISSED APPROACH — MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES

PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE	ELEVATION / AIRPORT NAME	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DUBUQUE, IA	**ELEVATION: 1077** AIRPORT NAME: **DUBUQUE RGNL**	**RNAV**	**RNAV (GPS) RWY 18, ORIG**	**ACE**

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS ☐ FAA ☐ A/C OTHER:	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	
☐	ALS
☐	(S) SALS
☐	MALS
☐	HIRL
☐	MIRL
☐	REIL
☐	TDZ
☐	C/LINE
☐	OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
	☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: BAULK **STATE:** WI **COUNTRY:** US

LATITUDE/LONGITUDE: 424105.09N/0901140.75W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DUBUQUE	DBQ	VORTAC	H	049.15	053.15	28.45			3600	17500
2	ROCKFORD	RFD	VOR/DME	L	301.26	302.26	52.09			4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RFD R-301/53, 4,000 TO 17,500.					
RFD	VOR/DME	R-301	53	4000	17500

FIX RESTRICTIONS:
MRA V341 4000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V218	1, 2				(US)
IAP	V341	1, 2				(US)
IAP	RNAV (GPS) RWY 18			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 25.			KOVS	BOSCOBEL	WI (US)
IAP	RNAV (GPS) RWY 12.			KEFT	MONROE	WI (US)
IAP	RNAV (GPS) RWY 15			KPVB	PLATTEVILLE	WI (US)
IAP	RNAV (GPS) RWY 33			KPVB	PLATTEVILLE	WI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
DELETED FAC 3.
UPDATED ESV FORMAT TO THAT CURRENTLY USED.

DEVELOPED BY: **DATE:** 09/22/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (STEPHEN ROCCO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: RFD
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: DIVGE **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 421219.90N/0904242.47W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	176.95	356.95	R		4	2700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-001411)	421516.00N/0904138.00W	1278	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO EASTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18		1	KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 36			KDBQ	DUBUQUE	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
DELETED KDBQ R36 FROM FACILITIES LIST.
UPDATED HOLDING NOTE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/04/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (STEPHEN ROCCO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WITOK **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 423709.71N/0904244.23W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N		WP	356.95	176.95	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-001399)	423621.00N/0904757.00W	1532	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18		1	KDBQ	DUBUQUE	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/27/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (STEPHEN ROCCO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: DBQ ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZUGNI **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 423009.57N/0904243.73W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18			KDBQ	DUBUQUE	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/27/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (STEPHEN ROCCO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: DBQ ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CASSY **STATE:** WI **COUNTRY:** US

LATITUDE/LONGITUDE: 424440.73N/0910144.86W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DUBUQUE	DBQ	VORTAC	H	321.53	325.53	25.00	25.00		3000	17500
2	LONE ROCK	LNR	VOR/DME	L	230.40	230.40	51.41	51.41		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LNR	VOR/DME	R-230	52	3000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	DBQ	VORTAC	321.53	321.53	R	1-1 1/2		3000	17500	6	18
2	SE		WP	142.53	322.53	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-000556)	423727.00N/0905812.00W	1505	5D
2	200	TOWER (19-000556)	423727.00N/0905812.00W	1505	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V246	1, 2	1			(US)
IAP	ILS OR LOC RWY 36	1	1	KDBQ	DUBUQUE	IA (US)
IAP	LOC RWY 31	1	1	KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 13			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 18			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 36		2	KDBQ	DUBUQUE	IA (US)
IAP	VOR RWY 31	1	1	KDBQ	DUBUQUE	IA (US)
IAP	VOR RWY 36	1	1	KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 35			K3Y2	WEST UNION	IA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 07/29/2010

REASON FOR REVISION:
DELETED FAC 3
ADDED PRECIPITOUS TERRAIN EVALUATED REMARK.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/11/2010 **OFFICE:** AVN-120 **NAME:** JOSE ALFONSO (ROSE BOONE)

APPROVED BY: **DATE:** 06/02/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAU
ATC FACILITY: DBQ ATCT
OTHER:

QUALITY 4 CHECKED
INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: DUBUQUE VORTAC **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 422405.30N/0904232.67W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DUBUQUE	DBQ	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	DBQ	VORTAC	272.00	092.00	L	1 1/2		18000	40000	16	27
2	W		WP	279.00	099.00	L		10	15000	40000	16	28

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
2	265	TOWER (55-001762)	423143.60N/0903658.50W	1878	5E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE FL180.
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
DUBUQUE (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DES MOINES			KDSM	DES MOINES	IA (US)
DP	PAL-WAUKEE			KPWK	CHICAGO/PROSPECT HGTS/WHEELING	IL (US)
DP	WAUKON			KANE	MINNEAPOLIS	MN (US)
DP	WAUKON			KFCM	MINNEAPOLIS	MN (US)
DP	WAUKON			KMSP	MINNEAPOLIS	MN (US)
DP	WAUKON			KSTP	ST PAUL	MN (US)
DP	MITCHELL			KMKE	MILWAUKEE	WI (US)
EN ROUTE	J144					(US)
EN ROUTE	J82-84-94-100-128					(US)
EN ROUTE	J82-94					(US)
EN ROUTE	J84-100-128					(US)
EN ROUTE	V100					(US)
EN ROUTE	V129					(US)
EN ROUTE	V158					(US)
EN ROUTE	V246					(US)
EN ROUTE	V341					(US)
IAP	ILS OR LOC RWY 36			KDBQ	DUBUQUE	IA (US)
IAP	LOC RWY 31			KDBQ	DUBUQUE	IA (US)
IAP	LOC/DME BC RWY 13			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 13			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 18			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 31			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 36			KDBQ	DUBUQUE	IA (US)
IAP	VOR RWY 13			KDBQ	DUBUQUE	IA (US)
IAP	VOR RWY 31			KDBQ	DUBUQUE	IA (US)
IAP	VOR RWY 36			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 33			KPVB	PLATTEVILLE	WI (US)
IAP	RNAV (GPS) RWY 7			KPVB	PLATTEVILLE	WI (US)
STAR	BULLZ (RNAV)		2	KORD	CHICAGO	IL (US)
STAR	JANESVILLE		1	KORD	CHICAGO	IL (US)

REQUIRED CHARTING: SECTIONAL, DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:**

REASON FOR REVISION:
FIX MOVED 2.03 FEET DUE TO THIRD PARTY SURVEY.

QUALITY CHECKED
INFO ONLY

DEVELOPED BY:	**DATE:** 07/25/2012	**OFFICE:** AJV-353	**NAME:** ROY BARNETT
APPROVED BY:	**DATE:**	**OFFICE:** AJV-353	**NAME:** LARRY STROUT
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY:
OTHER: ZMP

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: SWAGG **STATE:** WI **COUNTRY:** US

LATITUDE/LONGITUDE: 425044.86N/0905014.75W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DUBUQUE	DBQ	VORTAC	H	344.00	348.00	27.25	27.25		2700	17500
2	WAUKON	UKN	VORTAC	L	125.00	130.00	40.33	40.33		2700	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-129	1, 2				(US)
IAP	RNAV (GPS) RWY 18			KDBQ	DUBUQUE	IA (US)
IAP	RNAV (GPS) RWY 15			KPVB	PLATTEVILLE	WI (US)
IAP	RNAV (GPS) RWY 7			KPVB	PLATTEVILLE	WI (US)
IAP	VOR/DME RWY 29			KPDC	PRAIRIE DU CHIEN	WI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 08/27/2009

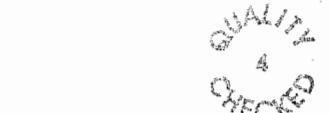
REASON FOR REVISION:
UPDATED FIX USE
DELETED FACILITY 3

DEVELOPED BY: **DATE:** 05/20/2009 **OFFICE:** AVN-101 **NAME:** EUGENE NEWTON (GRACE NOWAK)

APPROVED BY: **DATE:** 06/30/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY:
OTHER:



INFO ONLY

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **DUBUQUE** STATE: **IA**

AIRPORT NAME: **DUBUQUE RGNL** ID: **KDBQ**

PROCEDURE: **RNAV (GPS) RWY 18** AMDT: **ORIG**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from (Enter THLD, FAF, ARP, FACILITY, as appropriate)	**THLD**	to 1000' point	**2.91**
2. Width of (Enter appropriate segment, final, intermediate, etc.)	**FINAL**	segment at 1000' point	**1.20**
3. True Course of	**FINAL**	segment containing 1000' point	**179.95**
4. High Terrain in	**FINAL**	segment containing 1000' point	**1132**
5. Distance from (If 1500' point in PT maneuvering area or holding pattern note in remarks)	**THLD**	to 1500' point	**4.98**
6. Width of	**FINAL**	segment at 1500' point	**1.57**
7. True Course of	**FINAL**	segment containing 1500' point	**179.95**
8. High Terrain in	**FINAL**	segment containing 1500' point	**1132**

9. Threshold Coordinates (if straight-in) ... **422434.64N** / **0904243.34W**

10. ARP Coordinates ..... **422407.20N** / **0904234.10W**

11. Runway Approach End and distance furthest from ARP ..... RWY **36**

Distance **0.59** NM

12. FAF Coordinates ..... **423009.57N** / **0904243.73W**

REMARKS: Approach/Drawing attached.