Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: AWSEG	Date Open: 06/15/2012	Task #: 2012061522640901001	Request #: 20120615226409
Procedure: V 77 WATERLOO (ALO) VORTAC IA TO WAUKON (UKN) VORTAC IA AMDT Y		Airport ID: IA	Airport:		Reimbursable #:
City:	ST: IA	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: Proc R	Specialist: STEVE VANCAMP(Contractor)			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	06/25/2012	07/09/2012	TOBY HUFF	.
QA:	07/09/2012	09/18/2012	ERIC GREEN	
Liaison:	09/18/2012		Spurlin	REQUEST TABLE-TOP FLIGHT INSPECTION

P2

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

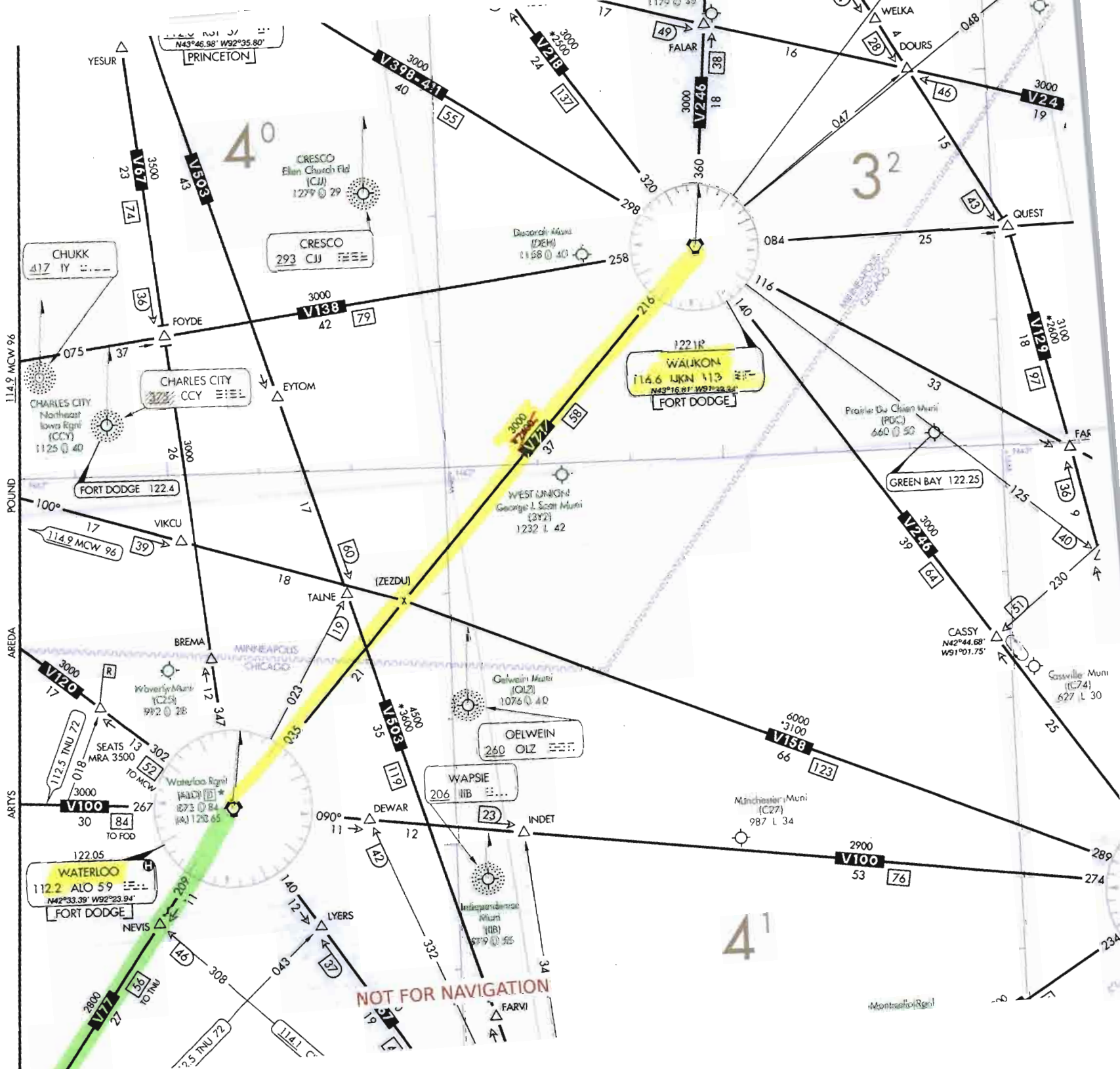
pg 1 of 1

AIRWAY: V 77 WATERLOO (ALO) VTAC IA - WAUKON (UKN) VTAC IA ENROUTE-YES FC: 11.13.12 PUB: 1.10.13

ATTACHED FORMS: 8260-16; 8260-2(S): (INFO ONLY) WATERLOO (ALO) VTAC, REV 9; WAUKON (UKN) VTAC, REV 8.

CONTACT: RAYMOND K. NUSSEAR, ENROUTE MANAGER / TOBY HUFF, ENROUTE LEAD; 301.427.4826, 405.954.9954.

SkyVector

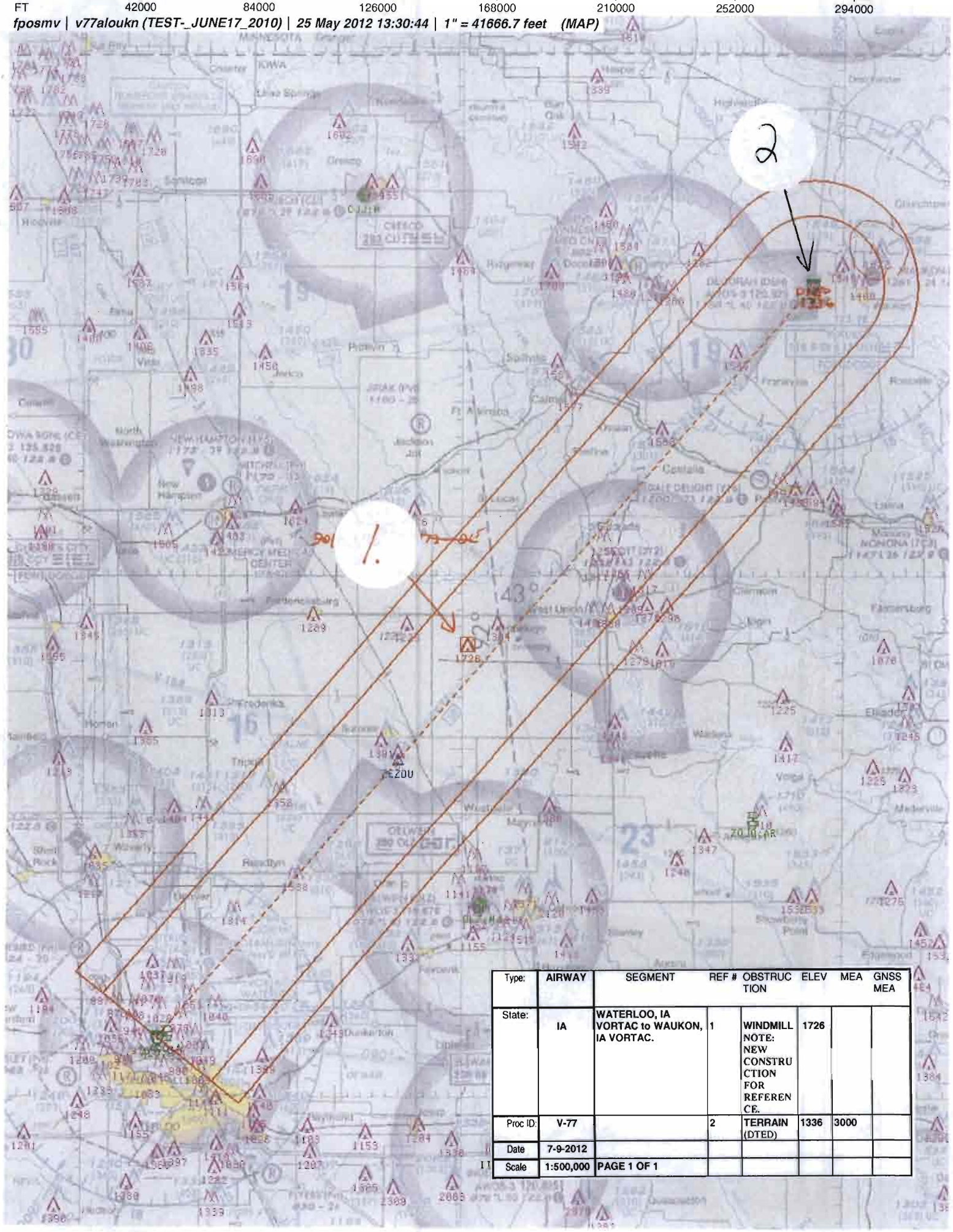


hart L-12

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposmv | v77aloukn (TEST-_JUNE17_2010) | 25 May 2012 13:30:44 | 1" = 41666.7 feet (MAP)



Type:	AIRWAY	SEGMENT	REF #	OBSTRUCTION	ELEV	MEA	GNSS MEA
State:	IA	WATERLOO, IA VORTAC to WAUKON, IA VORTAC.	1	WINDMILL NOTE: NEW CONSTRUCTION FOR REFERENCE.	1726		
Proc ID:	V-77		2	TERRAIN (DTED)	1336	3000	
Date	7-9-2012						
Scale	1:500,000	PAGE 1 OF 1					

TRANSMITTAL OF AIRWAYS / ROUTE DATA

AIRWAY NO. OR ROUTE	FROM / TO	ROUTINE OR DOCKET NO.	CONTROLLING @ TERRAIN/OBSTRUCTION AND COORDINATES	MRA / MOCA	MAA / MEA	GNSS MEA	CHANGE OVER POINT	FIX MRA/MCA	REMARKS	FLIGHT INSPECTION DATES
V77	WATERLOO, IA VORTAC		WINDMILL 1726 425542.58N / 0915931.60W TERRAIN 1336@ 431618.00N / 0913209.00W	3000	17500				NEW OBSTRUCTION. INCREASE MOCA.	PENDING
	WAUKON, IA VORTAC			-2800-	3000					
									CLEAR 2 FDC NOTAMS.	

DATE	OFFICE	TITLE	SIGNATURE
	AJV-311	MANAGER	RAY NUSSEAR

FAA FORM 8260-16 / October 2002 (computer generated)

RADIO FIX AND HOLDING DATA RECORD

REVIEW/INQUIRY

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

LATITUDE/LONGITUDE: 423323.40N/0922356.20W **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	FAC FEET	MRA	MAA
1	WATERLOO	ALO	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	SE	ALO	VORTAC	151.00	331.00	R	1		2600	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (19-000022)	422958.00N/0921551.00W	1540	4D
1	200	TOWER (19-000022)	422958.00N/0921551.00W	1540	4D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:
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	ROCHESTER			KANE	MINNEAPOLIS	MN (US)
DP	ROCHESTER			KFCM	MINNEAPOLIS	MN (US)
DP	ROCHESTER			KMSP	MINNEAPOLIS	MN (US)
DP	ROCHESTER			KSTP	ST PAUL	MN (US)
EN ROUTE	J233					IA (US)
EN ROUTE	V100					IA (US)
EN ROUTE	V120					IA (US)
EN ROUTE	V67					IA (US)
EN ROUTE	V77					IA (US)
IAP	LOC RWY 12			KCCY	CHARLES CITY	IA (US)
IAP	NDB RWY 12			KCCY	CHARLES CITY	IA (US)
IAP	RNAV (GPS) RWY 31			KIFA	IOWA FALLS	IA (US)
IAP	RNAV (GPS) RWY 13			KMIW	MARSHALLTOWN	IA (US)
IAP	RNAV (GPS) RWY 31			KMIW	MARSHALLTOWN	IA (US)
IAP	NDB RWY 13			KOLZ	OELWEIN	IA (US)
IAP	VOR OR GPS-A			KOLZ	OELWEIN	IA (US)
IAP	ILS OR LOC RWY 12			KALO	WATERLOO	IA (US)
IAP	LOC BC RWY 30			KALO	WATERLOO	IA (US)
IAP	VOR RWY 12			KALO	WATERLOO	IA (US)
IAP	VOR RWY 18			KALO	WATERLOO	IA (US)
IAP	VOR RWY 24			KALO	WATERLOO	IA (US)
IAP	VOR RWY 36			KALO	WATERLOO	IA (US)
IAP	VOR RWY 6			KALO	WATERLOO	IA (US)
IAP	VOR/DME RWY 30			KALO	WATERLOO	IA (US)
IAP	VOR OR GPS-A		1	KC25	WAVERLY	IA (US)
IAP	GPS RWY 35			K3Y2	WEST UNION	IA (US)
STAR	KASPR			KMSP	MINNEAPOLIS	MN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:
HOLDING RESTRICTIONS UPDATED.
REMARKS UPDATED.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 09/08/2009 **OFFICE:** AVN-120 **NAME:** ANGELO VENTRESCA

APPROVED BY: **DATE:** **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

QA B APPROVED

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

RADIO FIX AND HOLDING DATA RECORD

REVIEW/INQUIRY

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

LATITUDE/LONGITUDE: 431648.31N/0913214.50W **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	FAC FEET	MRA	MAA
1	WAUKON	UKN	VORTAC	L							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	E	UKN	VORTAC	082.00	262.00	R	1		2900	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (16-1339)	431827.91N/0912718.49W	1622	5D
1	200	TOWER (16-1339)	431827.91N/0912718.49W	1622	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000

REMARKS:
PRECIPITOUS TERRAIN EVALUATED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
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)
EN ROUTE	V138, V218, V246, V398. V411, V77					(US)
IAP	NDB RWY 29			KDEH	DECORAH	IA (US)
IAP	RNAV (GPS) RWY 29			KDEH	DECORAH	IA (US)
IAP	VOR RWY 29		1	KDEH	DECORAH	IA (US)
IAP	NDB RWY 13			KOLZ	OELWEIN	IA (US)
IAP	RNAV (GPS) RWY 17			K3Y2	WEST UNION	IA (US)
IAP	VOR/DME OR GPS-A			K3Y2	WEST UNION	IA (US)
IAP	GPS RWY 31			KCHU	CALEDONIA	MN (US)
IAP	RNAV (GPS) RWY 29			KFKA	PRESTON	MN (US)
IAP	RNAV (GPS) RWY 7			KOVS	BOSCOBEL	WI (US)
IAP	VOR/DME RWY 29			KPDC	PRAIRIE DU CHIEN	WI (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:
CHANGED COORDINATES FROM 431648.31N/0913214.51W TO 431648.31N/0913214.50W
ADDED PRECIPITOUS TERRAIN REMARK.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/30/2009 **OFFICE:** AVN-120 **NAME:** JERRY MCCULLOUGH

APPROVED BY: **DATE:** **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

04 3 APPROVED