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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EYNOR (IAF)	YODUG (NOPT) (FB)	083.34 / 11.07	4000
OBREC (IAF)	YODUG (NOPT) (FB)	352.79 / 14.93	4000
YODUG (IF/IAF)	JIVID (FB)	017.72 / 6.03	2800
JIVID (FAF)	UBICU/2.50 NM TO RW02 (FB)	017.75 / 2.57	
UBICU/2.50 NM TO RW02	RW02 (MAP) (FO)	017.77 / 2.50	
RW02 (MAP)	1396 MSL	017.77	
1396 MSL	VAKUC (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW02

CLIMB TO 4000 DIRECT VAKUC AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S YODUG, RT, 017.72 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 017.75 FAF: JIVID DIST FAF TO MAP: 5.07 THLD: 5.07
4. MIN. ALT: YODUG 4000, JIVID 2800, UBICU/2.50 NM TO RW02 1980*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: JIVID 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 38.8 34:1 IS CLEAR
8. MSA FROM: RW02 3900

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 197.85 INBOUND.
CHART FAS OBST: 1339 TREE 412339N/0950405W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
CHART VDP AT 1.37 MILES TO RW02*
*LNAV ONLY.
WAAS CHANNEL # 72828
REFERENCE PATH ID: W02A
LTP HAE: 321.6 M

MAG VAR: 4E EPOCH YEAR: 1995

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	1396	7/8	250	1396	7/8	250	1396	7/8	250		NA				
LNAV/VNAV DA	1509	1 1/4	363	1509	1 1/4	363	1509	1 1/4	363		NA				
LNAV MDA	1620	1	474	1620	1	474	1620	1 3/8	474		NA				
CIRCLING	1720	1	555	1720	1	555	1760	1 1/2	595		NA				

NOTES:
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HARLAN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARLAN ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1165 THRE: 1146	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 2, AMDT 1	AMDT: ORIG-A
				DATED 06/04/2009

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] AMGR, ZMP

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: JOSE ALFONSO (KISSY MAXFIELD)	FIFO AJV-353	DATE: 12/06/2011
APPROVED BY		
NAME: LARRY H STROUT MANAGER	FIFO AJV-353	DATE:

CHANGES:

1. YODUG TO JIVID DISTANCE CHANGED FROM 6.10 TO 6.03.
2. UBICU TO MISSED DISTANCE CHANGED FROM 2.9 TO 2.5.
3. DISTANCE FAF TO MAP CHANGED FROM 5.00 TO 5.07.
4. REMOVED 34:1 IS NOT CLEAR.
5. ADDED LPV AND LNAV/VNAV LINES OF MINIMUMS.
6. ADDED BARO-VNAV NA WHEN USING HARLAN ALTIMETER SETTING NOTE.
7. ADDED UNCOMPENSATED BARO-VNAV NOTE.
8. UPDATED BACKUP ALTIMETER SETTING NOTE.
9. ADDED CIRCLING NA NOTE.
10. ADDED PROCEDURE NA FOR ARRIVALS AT OBREC NOTE.
11. ADDED PROCEDURE NA FOR ARRIVALS AT EYNOR NOTE.
12. ADDED VDP.
13. LNAV CAT C VISIBILITY CHANGED FROM 1 1/4 TO 1 3/8.
14. LNAV HAT CHANGED FROM 469 TO 474.

SEE 8260-10

REASONS:

1, 3. JIVID MOVED TO PFAF LOCATION.
2. MOVED SDF FOR MORE STABLE DESCENT ANGLE.
4, 17. NO 34:1 PENETRATIONS.
5, 16. PER FPT REQUEST.
6, 7. ADDED LNAV/VNAV LINE OF MINIMUM.
8. ADDED LPV AND LNAV/VNAV LINES OF MINIMUM.
9. CIRCLING 20:1 PENETRATION TO RWY 12/30.
10, 11. TURN GREATER THAN 90 DEGREE.
12. OBSTACLES NO LONGER PENETRATE VDP SURFACES.
13. UPDATED TO 8260.19D CHANGE 20 CRITERIA.
14, 15. CALCULATED USING THRESHOLD ELEVATION.

PDF EDITS:
1. ADDED FAF TO OYOLU.

SEE 8260-10

QUALITY 2 CHECKED

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NOTES, (CONT.):
ALL DA 49 FEET AND ALL MDA 60 FEET, INCREASE LPV VISIBILITY TO 1 ALL CATS, INCREASE LNAV/VNAV VISIBILITY TO 1 3/8 ALL CATS, INCREASE LNAV CAT C VISIBILITY TO 1 1/2, INCREASE CIRCLING CAT C VISIBILITY TO 1 3/4.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 12 NA AT NIGHT.
CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OBREC ON V181 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EYNOR ON V6-8 SOUTHWEST BOUND.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1165 THRE: 1146	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 2, AMDT 1	AMDT: ORIG-A
				DATED: 06/04/2009

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:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.
15. CIRCLING CAT A/B HAA CHANGED FROM 560 TO 555, CAT C CHANGED FROM 560 TO 595.
16. REMOVED CAT D LINE OF MINIMUM
17. REMOVED VISIBILITY REDUCTION BY HELICOPTER NOTE.

REASONS:

REASONS CONT.
2. REMOVED 1980* ALTITUDE.
3. CHANGED ALTITUDE 1427 TO 4000.

QUALITY 2

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAIO
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	412342.5715N
LTP/FTP LONGITUDE	0950314.7045W
LTP/FTP ELLIPSOIDAL HEIGHT	+03216
FPAP LATITUDE	412505.3500N
FPAP LONGITUDE	0950230.7600W
THRESHOLD CROSSING HEIGHT (TCH)	00038.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EBCD3F3E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03493
FPAP ORTHOMETRIC HEIGHT	+03493

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1165 THRE: 1146	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 2, AMDT 1	AMDT: ORIG-A
				DATED: 06/04/2009

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:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

QUALITY 2 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EYNOR K30    C   L N41125384W095232111                      E0027     NAR           EYNOR
        SUSAEAENRT   JIVID K30    W     N41185979W095054456                      E0024     NAR           JIVID
        SUSAEAENRT   OBREC K30    C   L N40582888W095073575                      E0025     NAR           OBREC
        SUSAEAENRT   UBICU K30    W     N41212320W095042861                      E0024     NAR           UBICU
        SUSAEAENRT   VAKUC K30    W     N41344713W094572089                      E0023     NAR           VAKUC
        SUSAEAENRT   YODUG K30    W     N41132374W095084214                      E0025     NAR           YODUG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3AAIO     0     050YHN41241380W095025550E004001165         1800018000C    MNAR    ATLANTIC MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3FR02   AEYNOR 010EYNORK3EA0E  A    IF                                          18000                A JS
        SUSAP KAIOK3FR02   AEYNOR 020YODUGK3EA0EE B 010TF                    08330111    + 04000                        A JS
        SUSAP KAIOK3FR02   AOBREC 010OBRECK3EA0E  A    IF                                          18000                A JS
        SUSAP KAIOK3FR02   AOBREC 020YODUGK3EA0EE B 010TF                    35280149    + 04000                        A JS
        SUSAP KAIOK3FR02   AYODUG 010YODUGK3EA0EE AR   HF                    01770040    + 04000     18000              A JS
        SUSAP KAIOK3FR02   R      010YODUGK3EA0E  I    IF                                + 04000     18000              A JS
        SUSAP KAIOK3FR02   R      020JIVIDK3EA1E  F 051TF                    01770060    + 02800                RW02  K3PGA JS
        SUSAP KAIOK3FR02   R      020JIVIDK3EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KAIOK3FR02   R      021UBICUK3EA0E S  031TF                    01780026    V 0198001981        -300      A JS
        SUSAP KAIOK3FR02   R      030RW02 K3PG0GY M 031TF                    01780025      01185             -300      A JS
        SUSAP KAIOK3FR02   R      040         0  M     CA                    0178        + 01396                     A JS
        SUSAP KAIOK3FR02   R      050VAKUCK3EA0EY      DF                                + 04000                     A JS
        SUSAP KAIOK3FR02   R      060VAKUCK3EA0EE  R   HM                    19790040    + 04000                     A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3GRW02    0050000178 N41234257W095031470+0100    +0321601146000039075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3PR02   RW02 001 0000W02A0N4123425715W09503147045+032160300N4125053500W09502307600106751224000388F400500EBCD3F3E
        SUSAP KAIOK3PR02   RW02 002E      +03493+03493LPV       72828

                 1         2         3         4         5         6         7         8         9         0         1         2         3
```

CITY AND STATE	ELEVATION: 1165 THRE: 1146	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 2, AMDT 1	AMDT: ORIG-A
				DATED: 06/04/2009

QUALITY CHECKED

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:

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```
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3SRW02 K3PG                0   18018003925                                                                          M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 1165 THRE: 1146	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 2, AMDT 1	AMDT: ORIG-A
				DATED: 06/04/2009

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**

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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EYNOR	EYNOR	010	IAF	IF		FB					
	EYNOR	YODUG	020		TF		FB	1.0	083.3(087.3T)	011.1	AA 04000	
	OBREC	OBREC	010	IAF	IF		FB					
	OBREC	YODUG	020		TF		FB	1.0	352.8(356.8T)	014.9	AA 04000	
	YODUG	YODUG	010	IAF	HF	R	FO		017.7(021.7T)	004.0	AA 04000	
		YODUG	010	FACF	IF		FB				AA 04000	
		JIVID	020	FAF	TF		FB	0.5	017.7(021.7T)	006.0	AA 02800	
		UBICU	021	SDF	TF		FB	0.3	017.8(021.8T)	002.6	AA 01980 GS 01981	
		RW02	030	MAP	TF		FO	0.3	017.8(021.8T)	002.5	AT 01185	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		017.8(021.8T)		AA 01396	
	VAKUC	050		DF		FO				AA 04000	
	VAKUC	060		HM	R	FO		197.9(201.9T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EYNOR	N411253.84	W0952321.11	N4112.897	W09523.352
	JIVID	N411859.79	W0950544.56	N4118.997	W09505.743
	OBREC	N405828.88	W0950735.75	N4058.481	W09507.596
	UBICU	N412123.20	W0950428.61	N4121.387	W09504.477
	VAKUC	N413447.13	W0945720.89	N4134.786	W09457.348
	YODUG	N411323.74	W0950842.14	N4113.396	W09508.702
	RW02	N412342.57	W0950314.70	N4123.710	W09503.245

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02	01146	39

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1165 THRE: 1146	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 2, AMDT 1	AMDT: ORIG-A
				DATED: 06/04/2009

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:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	EYNOR	YODUG	1. TOWER (19-003213)	411434.40N/0951501.50W	1553 (5D)	1000	AT1447	4000
			2. TERRAIN	411500.00N/0951545.00W	1339 (1300)		AS1500	2800
INITIAL	OBREC	YODUG	3. TOWER (19-000216)	410420.00N/0950924.00W	1581 (4D)	1000	AT1419	4000
			4. TERRAIN	411330.00N/0951112.00W	1326 (1300)		AS1500	2800
INTERMEDIATE	YODUG (IF/IAF)	JIVID	5. TOWER (19-000120)	411900.00N/0950603.00W	1539 (4D)	500		2100
			6. TERRAIN	411412.00N/0951106.00W	1310 (1300)		AS1500	2800
FINAL: LPV	JIVID	RW02				ASC		1396/250
FINAL: LNAV/VNAV	JIVID	RW02	7. TREE	412339.22N/0950404.57W	1339 (2C)	PDA	AC20	1509/363
FINAL: LNAV	JIVID	UBICU/2.50 NM TO RW02	8. AAO	411959.37N/0950601.63W	1539 (2C)	250	DG142 RA49	1980
FINAL: LNAV STEPDOWN	UBICU/2.50 NM TO RW02	RW02	7. TREE	412339.22N/0950404.57W	1339 (2C)	250	XP31	1620
2. HOLD-IN-LIEU-OF-PT	YODUG	P-5	3. TOWER (19-000216)	410420.00N/0950924.00W	1581 (4D)	1000	AT1419	4000
			9. TERRAIN	411515.00N/0951057.00W	1326 (1300)		AS1500	2800
3. MISSED APPROACH — MAP:	DA / DA / RW02	VAKUC				ASC		4000
			10. TOWER (19-001032)	412927.00N/0945757.00W	1730 (5E)	1000		2800
ELEV:	1209/1359/1520		11. TERRAIN	413542.00N/0945712.00W	1464 (1500)		AS1500	3000
			12. TREE	412507.00N/0950433.00W	1419 (2C)	300		1720
			12. TREE	412507.00N/0950433.00W	1419 (2C)	300		1720
			13. TNK (KAIOT0370)	412320.12N/0950036.91W	1455 (2C)	300		1760

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	555
CATEGORY B	1.5 NM	450	555
CATEGORY C	1.7 NM	450	595
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW02

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (19-000450)	248/ 09.6	2836 (5D)	3900					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1165 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ATLANTIC, IA	ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 2, AMDT 1	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZMP ARTCC FOD FSS	N W S	OTHER: AWOS-3	SOURCE: KAIO / KHNR
	F A A		DISTANCE: 0 / 17.01
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION: 24
X V H F X U H F H F	LOCATION: KAIO		ADJUSTMENT: 0 / 49

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

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
	MALS
	HIRL
X	MIRL 12 (PCL), 02 (PCL), 20 (PCL), 30 (PCL)
X	REIL 12 (PCL), 02, 20, 30 (PCL)
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-2L 02, 20 PSIL 12, 30

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 12, 02, 20, 30
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 1145.9
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 38.8

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

10. WAIVERS: NONE

PART D - PREPARED BY: JOSE ALFONSO (KISSY MAXFIELD)	DATE: 12/06/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

RASS PRESSURE PATTERNS SAME
KAIO 1165, KHNR 1231
RA=48.34

TAA NOT DEVELOPED PER ATC REQUEST.

VGSI DATA: 3.00/38.8

VEGETATION HEIGHT 80 FT USED PER FPO.

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL"
PENETRATIONS:
20:1:
RWY 12: (LISTED HIGHEST 5 PENETRATIONS)
1270 CHIMNEY (KAIOT0084) 412443.77N/0950323.07W (13.19)

1291 TREE (KAIOT0088) 412442.68N/0950324.92W (31.29)
1293 TREE (KAIOT0089) 412444.14N/0950325.42W (27.66)
1293 TREE (KAIOT0111) 412444.28N/0950327.56W (20.45)
1229 TREE (KAIOT0087) 412437.72N/0950313.58W (19.17)
1258 TREE (KAIOT0118) 412441.45N/0950320.33W (16.33)

RWY 30:
1183 TREE (KAIOT0334) 412418.82N/0950223.08W (37.20)
1170 TREE (KAIOT0320) 412417.31N/0950222.39W (17.83)
1189 TREE (KAIOT0324) 412412.21N/0950220.61W (17.08)

LPV SLOPE: 34:1
LNAV/VNAV: 23.4:1

AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION. HISTORICAL DATA NOT AVAILABLE.

KAIO AWOS ON SERVICE A.
KHNR AWOS ON SERVICE A.

CAT D MINIMUMS REMOVED PER ADO.

BARO-VNAV NA ABOVE 88C (190F) CHARTED 54C (130F).

XP31: 31 FT ADJUSTMENT TO MATCH CURRENT MDA.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

SEE ATTACHED AIRSPACE LETTER.

QUALITY CHECKED 2

RADIO FIX AND HOLDING DATA RECORD

NAME: EYNOR **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411253.84N/0952321.11W **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	OMAHA	OVR	VORTAC	H	071.57	079.57	16.01	16.01		3000	17500
2	RED OAK	RDK	NDB	MH	329.23	333.23		13.42		3000	17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

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	OVR	VORTAC	071.57	251.57	R	1-1 1/2		3900	17500	7	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (19-000450)	412039.34N/0951521.97W	2836	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
OMAHA (FAC 1) USED TO ESTABLISH FIX COORDINATES
HOLD PAT 1 ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V6-8	1, 2				(US)
IAP	RNAV (GPS) RWY 2			KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 17			KRDK	RED OAK	IA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
CHANGED FIX MAKE-UP FACILITIES FAC 1 TRUE BEARING FROM 79.59 TO 79.57 (AIRWAY RADIAL) AND DME/DISTANCE FROM FAC NM FROM 16.00/16.00 TO 16.01/16.01.
CORRECTED HOLDING PATTERN TO ALLIGN BACK ON THE AIRWAY.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIVID **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411859.79N/0950544.56W **TYPE:** WP

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

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

REMARKS:
RNP PFAF CRITERIA APPLIED IAW 8260.54A FORMULA 2-16B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 2			KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
REMOVED FAC 1 FROM FIX MAKE-UP FACILITIES.
MOVED FIX 437 FT NORTHEAST.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OBREC **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 405828.88N/0950735.75W **TYPE:** WP, 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	OMAHA	OVR	VORTAC	H	104.42	112.42	30.00	30.00		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	NE		WP	054.08	234.08	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-001136)	410001.00N/0951029.00W	1665	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V181	1				(US)
IAP	RNAV (GPS) RWY 2			KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 20			KICL	CLARINDA	IA (US)
IAP	RNAV (GPS) RWY 4		1	KSDA	SHENANDOAH	IA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
CHANGED FIX MAKE-UP FACILITY FAC 1 TRUE BEARING FROM 112.44 TO 112.42.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UBICU **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412123.20N/0950428.61W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 2			KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
REMOVED FAC 1 FROM FIX MAKE-UP FACILITIES.
MOVED FIX 2420 FEET NORTHEAST.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VAKUC **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 413447.13N/0945720.89W **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	N		WP	017.85	197.85	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-002083)	413836.00N/0950008.00W	1724	4D

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 2		1	KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 20		1	KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
REMOVED FAC 1 FROM FIX MAKE-UP FACILITIES.
MOVED HOLDING LIMITED TO ESTABLISHED PATTERN NOTE FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN REMARK.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YODUG **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411323.74N/0950842.14W **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	197.72	017.72	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-000216)	410420.00N/0950924.00W	1581	4D

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 2		1	KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 20		1	KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
ADDED PRECIPITOUS TERRAIN REMARK.
REMOVED FAC 1 FROM FIX MAKE-UP FACILITIES.
MOVED HOLDING LIMITED TO ESTABLISHED PATTERN NOTE FROM REMARK TO RESTRICTIONS.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

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

SIGNATURE:

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

QUALITY 2 CHECKED