Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 01/04/2012	Task #: 2011022322587901003	Request #: 20110223225879
Procedure: RNAV (GPS) RWY 10 AMDT 1		Airport ID: KGZH	Airport: MIDDLETON FIELD		Reimbursable #:
City: EVERGREEN	ST: AL	GPS #:		Estimated Chart Date: 05/02/2013	FICO #:
Fac ID:	Fac. Type: LP Proc W	Specialist: WES COMBS(Contractor)			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	10/24/2012	12/21/2012	JEFF RAWDON	
QA:	12/21/2012	12/26/2012	CASIMIR TABAKA	
Liaison:	12/26/2012		Spurlin	MAGVAR

MAG VAR

pl

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

pkg 2 of 5

EVERGREEN, AL MIDDLETON FIELD (KGZH) RNAV (GPS) RWY 10, AMDT 1 (LP) ENROUTE-NO FC: 3.19.13 PUB: 5.2.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): FEMEN, REV 1; KAMDE, REV 1; YENYU, ORIG.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

WAAS	APP CRS	Rwy ldg 4000
CH 50332	102°	THRE 258
W10A		Apt Elev 259

NEW

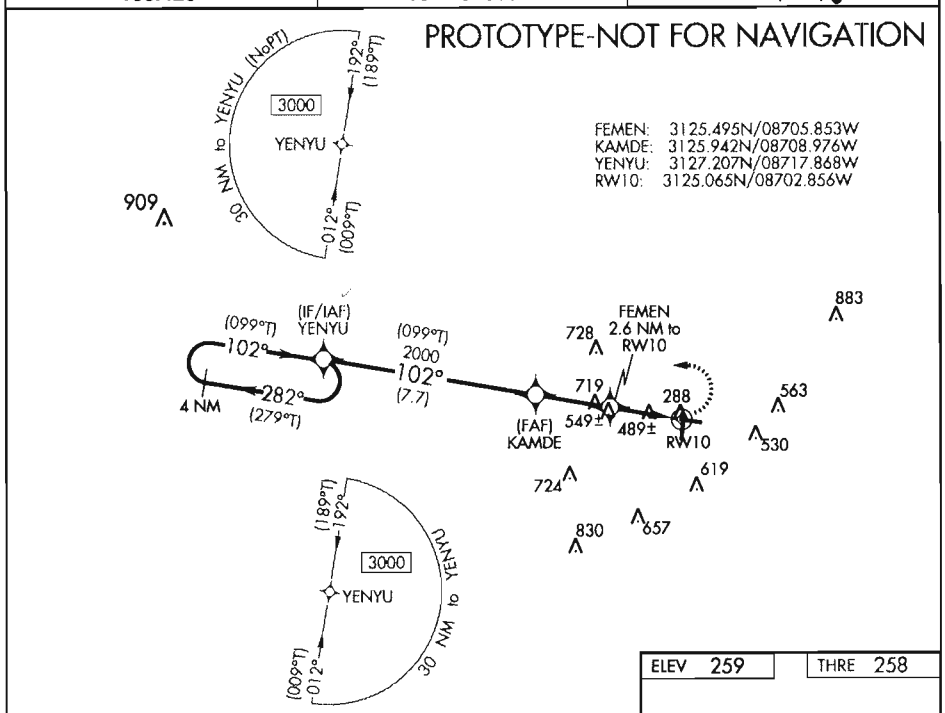
RNAV (GPS) RWY 10
EVERGREEN/ MIDDLETON FIELD (GZH)

DME/DME RNP-0.3 NA. Procedure NA at night. When local altimeter setting not received, use South Alabama Rgnl altimeter setting and increase all MDA 100 feet, increase LP Cats C and D visibility ⅜ mile, increase LNAV Cats C and D visibility ¼ mile, increase Circling Cat C visibility ¼ mile, and increase Circling Cat D visibility ½ mile. Helicopter visibility reduction below 1 SM not authorized.

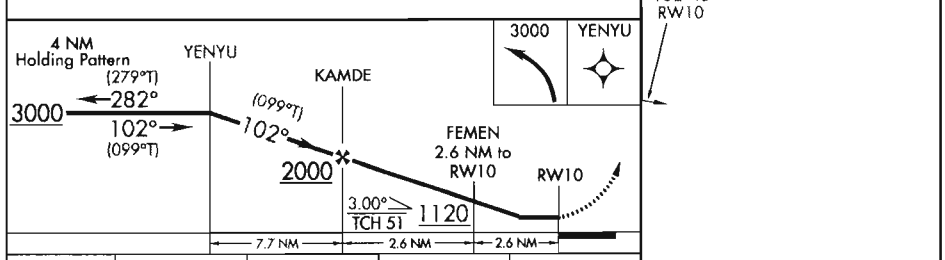
MISSED APPROACH: Climbing left turn to 3000 direct YENYU and hold.

ASOS	JACKSONVILLE CENTER	UNICOM
133.425	134.15 338.3	122.7 (CTAF) L

PROTOTYPE-NOT FOR NAVIGATION



ELEV 259	THRE 258



CATEGORY	A	B	C	D
LP MDA	740-1 482 (500-1)		740-1⅜ 482 (500-1⅜)	
LNAV MDA	800-1 542 (600-1)		800-1⅝ 542 (600-1⅝)	
CIRCLING	800-1 541 (600-1)		800-1⅝ 541 (600-1⅝)	980-2¼ 721 (800-2¼)

MIRL Rwys 1-19 and 10-28 L

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
YENYU (IF/IAF)	KAMDE (FB)	102.38 / 7.71	2000
KAMDE (FAF)	FEMEN/2.60 NM TO RW10 (FB)	102.46 / 2.71	
FEMEN/2.60 NM TO RW10	RW10 (MAP) (FO)	102.46 / 2.60	
RW10 (MAP)	659 MSL	102.46	
659 MSL	YENYU (FO)		3000

MISSED APPROACH

LP: RW10
LNAV: RW10

CLIMBING LEFT TURN TO 3000 DIRECT YENYU AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 549 TREE 312514N/0870555W
CHART FAS OBST: 489 TREE 312509N/0870413W
WAAS CHANNEL # 50332
REFERENCE PATH ID: W10A
KAMDE TO RW10: 3.00/51.
LTP HAE: 51.1 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W YENYU, RT, 102.38 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 102.46 FAF: KAMDE DIST FAF TO MAP: 5.31 THLD: 5.31
4. MIN. ALT: YENYU 3000, KAMDE 2000, FEMEN/2.60 NM TO RW10 1120
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 3W EPOCH YEAR: 2015

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
LP MDA	740	1	482	740	1	482	740	1 3/8	482	740	1 3/8	482			
LNAV MDA	800	1	542	800	1	542	800	1 5/8	542	800	1 5/8	542			
CIRCLING	800	1	541	800	1	541	800	1 5/8	541	980	2 1/4	721			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH ALABAMA RGNL ALTIMETER SETTING AND INCREASE ALL MDA 100 FT, INCREASE LP CATS C AND D VISIBILITY 3/8 MILE, INCREASE LNAV CATS C (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 259 THRE: 258	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
EVERGREEN, AL	AIRPORT NAME: MIDDLETON FIELD	RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
				DATED 04/10/2008

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] ZJX, ZTL, AMGR, EST FPO

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: DONALD E. SMITH (WES COMBS)	FIFO AJV-352	DATE: 12/04/2012

APPROVED BY		
NAME: SUSAN CRUMB MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. REMOVED ZAXUN AND SARYO INITIALS
2. CHANGED TAA FROM T DESIGN TO STRAIGHT-IN/PROCEDURE TURN REQUIRED
3. ADDED LP MINIMA
4. CHANGED "WHEN VGSI INOPERATIVE, PROCEDURE NA AT NIGHT" TO "PROCEDURE NA AT NIGHT"
5. REPLACED GIRCE IF/IAF WITH YENYU IF/IAF
6. CHANGED APPROACH ANGLE FROM 3.05 TO 3.00
7. REPLACED TDZE: 259 WITH THRE: 258
8. CHANGED APPROACH COURSE FROM 097.46 TO 102.46
9. LENGTHENED FINAL FROM 5.23 TO 5.31 NM
10. CHANGED LNAV CAT C VIS FROM 1 1/2 TO 1 5/8
11. CHANGED LNAV CAT D VIS FROM 1 3/4 TO 1 5/8
12. CHANGED CIRCLING CAT C VIS FROM 1 1/2 TO 1 5/8
13. CHANGED CIRCLING CAT D MINIMUM FROM 920-2 TO 980-2/14
14. ADDED ALTERNATE MINIMUM CAT D 800-2 1/4

SEE 8260-10

REASONS:

1-4. FPT REQUEST
5. THE CA-DF LEG REQUIRED TOO GREAT OF A DISTANCE TO RETAIN THE FIX NAME
6. 3.05 NOT NEEDED, OPTIMUM USED
7. TDZE NO LONGER USED PER 8260.3 CHANGE 20
8. MAG VAR CHANGED FROM 2E TO 3W
9. DUE TO CHANGE IN FINAL ANGLE
10-11. IAW 8260.3 CHANGE 23 TABLE 3-5A
12. RAISED VISIBILITY TO MATCH STRAIGHT-IN VISIBILITY
13. NEW CONTROLLING OBSTACLE ACCURACY CODE
14. DUE TO HIGHER CAT D CIRCLING MINIMUM
15. IAW 8260.19E CHANGE 2 PARA 8-54I(3)
16. WORDING IAW 8260.19E CHANGE 2 PARA 8-54L(1A)

QUALITY CHECKED

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NOTES, (CONT.):
AND D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE, AND INCREASE CIRCLING CAT D VISIBILITY 1/2 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	012/30 CW 192/30 (NOPT)	YENYU (IF/IAF) (FB)	3000
2.	192/30 CW 012/30	YENYU (IF/IAF) (FO)	3000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 259 THRE: 258	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EVERGREEN, AL	AIRPORT NAME: MIDDLETON FIELD	RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
				DATED: 04/10/2008

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. CHANGED "VISIBILITY REDUCTION BY HELICOPTERS NA" TO "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED"
16. CHANGED "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH ALABAMA RGNL ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET, LNAV VISIBILITY CAT C/D 1/4 MILE, CIRCLING CAT C 1/4 AND CAT D 1/2 MILE" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH ALABAMA RGNL ALTIMETER SETTING AND INCREASE ALL MDA 100 FT, INCREASE LP CATS C AND D VISIBILITY 3/8 MILE, INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE, AND INCREASE CIRCLING CAT D VISIBILITY 1/2 MILE"

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGZH
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	312503.9060N
LTP/FTP LONGITUDE	0870251.3490W
LTP/FTP ELLIPSOIDAL HEIGHT	+00511
FPAP LATITUDE	312449.1500N
FPAP LONGITUDE	0870108.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
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)	0.0
CRC REMAINDER	8888DEB8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00787
FPAP ORTHOMETRIC HEIGHT	+00787

QUALITY CHECKED

CITY AND STATE	ELEVATION: 259 THRE: 258	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EVERGREEN, AL	AIRPORT NAME: MIDDLETON FIELD	RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
				DATED: 04/10/2008

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:

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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FEMEN K70    W     N31252970W087055116                     W0024     NAR           FEMEN
        SUSAEAENRT   KAMDE K70    W     N31255651W087085855                     W0024     NAR           KAMDE
        SUSAEAENRT   YENYU K70    W     N31271240W087175208                     W0023     NAR           YENYU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGZHK7AGZH     0     050YHN31245370W087024009W003000259         1800018000C    MNAR    MIDDLETON FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGZHK7FR10   AYENYU 010YENYUK7EA0EE AR   HF                    10240040    + 03000     18000                A JS
        SUSAP KGZHK7FR10   R      010YENYUK7EA0E  I    IF                                + 03000     18000                A JS
        SUSAP KGZHK7FR10   R      020KAMDEK7EA1E  F 051TF                    10240077    + 02000                          A JS
        SUSAP KGZHK7FR10   R      020KAMDEK7EA2WALP        N          ALNAV                                                JS
        SUSAP KGZHK7FR10   R      021FEMENK7EA0E S  031TF                    10250027    V 0112001137        -300         A JS
        SUSAP KGZHK7FR10   R      030RW10 K7PG0GY M 031TF                    10250026      00309             -300         A JS
        SUSAP KGZHK7FR10   R      040         0  M     CA                    1025        + 00659                          A JS
        SUSAP KGZHK7FR10   R      050YENYUK7EA0EY  L   DF                                + 03000                          A JS
        SUSAP KGZHK7FR10   R      060YENYUK7EA0EE  R   HM                    10240040    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGZHK7GRW10    0050041025 N31250391W087025135-0200    +0051100258000051150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGZHK7PR10   RW10 001 0000W10A0N3125039060W08702513490+005110300N3124491500W0870108660010675122400051 0F4000008888DEB8
        SUSAP KGZHK7PR10   RW10 002E      +00787+00787LP        50332
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 259 THRE: 258	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
EVERGREEN, AL	AIRPORT NAME: MIDDLETON FIELD	RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
				DATED: 04/10/2008

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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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	YENYU	YENYU	010	IAF	HF	R	FO		102.4(099.4T)	004.0	AA 03000	
		YENYU	010	FACF	IF		FB				AA 03000	
		KAMDE	020	FAF	TF		FB	0.5	102.4(099.4T)	007.7	AA 02000	
		FEMEN	021	SDF	TF		FB	0.3	102.5(099.5T)	002.7	AA 01120 GS 01137	
		RW10	030	MAP	TF		FO	0.3	102.5(099.5T)	002.6	AT 00309	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		102.5(099.5T)		AA 00659	
	YENYU	050		DF	L	FO				AA 03000	
	YENYU	060		HM	R	FO		102.4(099.4T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FEMEN	N312529.70	W0870551.16	N3125.495	W08705.853
	KAMDE	N312556.51	W0870858.55	N3125.942	W08708.976
	YENYU	N312712.40	W0871752.08	N3127.207	W08717.868
	RW10	N312503.91	W0870251.35	N3125.065	W08702.856

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00258	51

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 259 THRE: 258	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
EVERGREEN, AL	AIRPORT NAME: MIDDLETON FIELD	RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
				DATED: 04/10/2008

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.
STRAIGHT-IN AREA	012/30 CW 192/30	YENYU	1. TOWER (01-001624)	315717.37N/0871555.27W	922 (2C)	1000	AT1078	3000
			2. TERRAIN	314757.00N/0873718.00W	568 (600)		AS1500	2100
STRAIGHT-IN AREA	192/30 CW 012/30	YENYU	1. TOWER (01-001624)	315717.37N/0871555.27W	922 (2C)	1000	AT1078	3000
			3. TERRAIN	314303.00N/0870312.00W	601 (600)		AS1500	2100
INTERMEDIATE	YENYU (IF/IAF)	KAMDE	4. TOWER (01-002653)	312646.41N/0871658.22W	808 (2C)	500	AT692	2000
			5. TERRAIN	312903.00N/0871818.00W	449 (400)		AS1500	1900
FINAL: LP	KAMDE	FEMEN/2.60 NM TO RW10	6. TOWER (01-000263)	312531.00N/0870629.00W	719 (4D)	250	AC50 RA86	1120
FINAL: LP STEPDOWN	FEMEN/2.60 NM TO RW10	RW10	7. TREE	312508.50N/0870413.03W	489 (2C)	250		740
FINAL: LNAV	KAMDE	FEMEN/2.60 NM TO RW10	6. TOWER (01-000263)	312531.00N/0870629.00W	719 (4D)	250	AC50 RA86	1120
FINAL: LNAV STEPDOWN	FEMEN/2.60 NM TO RW10	RW10	8. TREE	312514.20N/0870554.83W	549 (2C)	250		800
2. HOLD-IN-LIEU-OF-PT	YENYU	P-5	9. TOWER (01-002006)	312841.13N/0872634.96W	812 (2C)	1000	AT1188	3000
			10. TERRAIN	312633.00N/0872727.00W	479 (500)		AS1500	2000
3. MISSED APPROACH — MAP:	RW10	YENYU				ASC		3000
			4. TOWER (01-002653)	312646.41N/0871658.22W	808 (2C)	1000		1900
ELEV:	640/700		11. TERRAIN	313209.00N/0870830.00W	486 (500)		AS1500	2000

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	541	7. TREE	312508.50N/0870413.03W	489 (2C)	300		800
CATEGORY B	1.5 NM	450	541	7. TREE	312508.50N/0870413.03W	489 (2C)	300		800
CATEGORY C	1.7 NM	450	541	7. TREE	312508.50N/0870413.03W	489 (2C)	300		800
CATEGORY D	2.3 NM	550	721	12. TOWER (01-000336)	312233.00N/0870214.00W	619 (4D)	300	AC50	980
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	PRIMARY NAVAID: SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
									4

CHECKED

CITY AND STATE	ELEVATION: 259 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
EVERGREEN, AL	MIDDLETON FIELD	RNAV	RNAV (GPS) RWY 10, AMDT 1	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
KGZH CTAF ZTL ARTCC ZJX ARTCC ANNISTON FSS	N W S	OTHER: ASOS	SOURCE: KGZH / K79J
	F A A		DISTANCE: 0 / 34.11
	A / C		HOURS REMOTE OPERATION: 24 / BACKUP
SATISFACTORY ON: X V H F X U H F H F	LOCATION: KGZH		ADJUSTMENT: 0 / 86

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 10 (PCL), 28 (PCL), 01 (PCL), 19 (PCL)
		REIL
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 10 (PCL)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 10; -F 28, 01, 19
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	X	RUNWAY THRESHOLD FT. FROM THRESHOLD
	X	ON CENTERLINE FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: DONALD E. SMITH (WES COMBS)	DATE: 12/04/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE VDP SURFACE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 549 TREE
312514N/0870555W

RASS PRESSURE PATTERNS SAME
KGZH 258.5, K79J 310.2
RA = 85.69.
SEE ATTACHED AIRSPACE LETTER.

KGZH AND K79J ARE ON SERVICE A.

100 FT VEGETATION HEIGHT USED PER FPT.

LPV AND LNAV/VNAV NOT DEVELOPED DUE TO GQS PENETRATIONS.

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
20:1
R10
316 TREE (KGZHT074) 312509.73N/0870258.93W (30.44)
316 TREE (KGZHT039) 312508.30N/0870259.70W (28.35)
323 TREE (KGZHT042) 312508.75N/0870302.28W (23.95)
333 TREE (KGZHT023) 312505.07N/0870306.64W (18.39)
323 TREE (KGZHT040) 312506.56N/0870304.11W (17.95)
326 TREE (KGZHT077) 312505.46N/0870305.33W (16.66)
320 TREE (KGZHT043) 312508.35N/0870303.37W (16.62)
330 TREE (KGZHT048) 312503.52N/0870307.51W (12.96)
329 TREE (KGZHT001) 312507.69N/0870307.09W (10.28)
316 TREE (KGZHT071) 312510.43N/0870303.69W (9.52)
320 TREE (KGZHT078) 312504.23N/0870305.87W (9.38)
308 TREE (KGZHT054) 312509.72N/0870301.99W (9.38)
325 TREE (KGZHT049) 312502.39N/0870307.90W (7.24)
317 TREE (KGZHT075) 312507.99N/0870305.11W (6.49)
324 TREE (KGZHT037) 312511.31N/0870306.24W (5.89)
329 TREE (KGZHT024) 312503.90N/0870309.04W (5.11)
324 TREE (KGZHT050) 312500.89N/0870308.54W (4.76)
312 TREE (KGZHT073) 312509.41N/0870304.28W (3.85)
312 TREE (KGZHT076) 312506.83N/0870305.28W (1.73)
277 TREE (KGZHT009) 312504.49N/0870257.64W (1.33)
318 TREE (KGZHT044) 312506.09N/0870307.00W (1.00)
324 TREE (KGZHT019) 312501.73N/0870309.40W (0.38)

34:1
327 TREE (KGZHT021) 312505.24N/0870310.49W (25.81)
321 TREE (KGZHT034) 312510.38N/0870307.46W (24.91)
333 TREE (KGZHT012) 312501.39N/0870314.63W (23.30)
334 TREE (KGZHT026) 312505.09N/0870314.44W (22.96)
323 TREE (KGZHT018) 312501.63N/0870310.83W (22.73)
349 TREE (KGZHT014) 312502.53N/0870322.07W (20.04)
319 TREE (KGZHT022) 312502.96N/0870310.18W (19.71)
327 TREE (KGZHT045) 312503.71N/0870313.44W (19.15)
309 TREE (KGZHT087) 312510.94N/0870305.03W (18.74)
309 TREE (KGZHT079) 312510.60N/0870305.26W (18.33)
329 TREE (KGZHT029) 312504.11N/0870314.89W (17.31)
326 TREE (KGZHT031) 312506.51N/0870313.61W (16.35)
312 TREE (KGZHT047) 312505.09N/0870308.50W (15.89)
321 TREE (KGZHT046) 312502.72N/0870312.55W (15.87)
333 TREE (KGZHT025) 312505.37N/0870317.11W (15.11)
320 TREE (KGZHT035) 312507.12N/0870311.63W (15.03)
318 TREE (KGZHT032) 312508.20N/0870310.78W (14.63)
323 TREE (KGZHT056) 312502.44N/0870314.19W (13.89)
330 TREE (KGZHT058) 312502.95N/0870317.22W (13.02)
291 TREE (KGZHT080) 312507.93N/0870300.77W (12.93)
CONT.

QUALITY 4 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.

3. MISSED APPROACH								
	MAP:							
	ELEV:							

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
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		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
EVERGREEN, AL	**ELEVATION: 259** AIRPORT NAME: **MIDDLETON FIELD**	**RNAV**	**RNAV (GPS) RWY 10, AMDT 1**	**ASO**

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
SATISFACTORY ON:	N W S	OTHER:	SOURCE:
	F A A		DISTANCE:
	A / C		HOURS REMOTE OPERATION:
V H F / U H F / H F	LOCATION:		ADJUSTMENT:

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

CONTINUED.
325 TREE (KGZHT057) 312502.93N/0870315.39W (12.63)
304 TREE (KGZHT036) 312508.84N/0870306.31W (11.55)
332 TREE (KGZHT013) 312503.71N/0870319.19W (9.70)
316 TREE (KGZHT052) 312504.68N/0870312.87W (9.11)
326 TREE (KGZHT017) 312502.12N/0870318.19W (6.99)
277 TREE (KGZHT010) 312506.96N/0870257.88W (6.67)
329 TREE (KGZHT015) 312502.68N/0870320.00W (5.17)
270 TREE (KGZHT008) 312501.18N/0870257.65W (3.08)
307 TREE (KGZHT030) 312505.33N/0870311.70W (2.73)
317 TREE (KGZHT028) 312505.65N/0870315.64W (2.67)
286 TREE (KGZHT081) 312507.36N/0870303.11W (2.32)
307 TREE (KGZHT011) 312501.23N/0870312.85W (1.85)
338 TREE (KGZHT016) 312502.62N/0870325.20W (1.12)
303 TREE (KGZHT051) 312504.05N/0870311.27W (0.44)

PROCEDURE NA AT NIGHT DUE TO 20:1 PENETRATIONS PER FPT.

25 DEGREE BANK USED IN MA CONSTRUCTION TO REDUCE LEG LENGTH.

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: FEMEN **STATE:** AL **COUNTRY:** US

LATITUDE/LONGITUDE: 312529.70N/0870551.16W **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 10			KGZH	EVERGREEN	AL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
REMOVED FAC 1 FROM FIX MAKEUP
FIX MOVED 2.02 FT SOUTH
UPDATED FIX USE

DEVELOPED BY: **DATE:** 11/26/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (WES COMBS)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX, ZTL
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KAMDE **STATE:** AL **COUNTRY:** US

LATITUDE/LONGITUDE: 312556.51N/0870858.55W **TYPE:** WP

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

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

REMARKS:
FIX COORDINATES ESTABLISHED WITH 8260.54A PFAF FORMULA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10			KGZH	EVERGREEN	AL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
FIX MOVED 457.32 FT EAST
REMOVED FAC 1 FROM FIX MAKEUP
UPDATED PFAF REMARK
UPDATED FIX USE

DEVELOPED BY: **DATE:** 11/26/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (WES COMBS)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX, ZTL
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YENYU **STATE:** AL **COUNTRY:** US

LATITUDE/LONGITUDE: 312712.40N/0871752.08W **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	W		WP	282.38	102.38	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (01-002006)	312841.13N/0872634.96W	812	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 10		1	KGZH	EVERGREEN	AL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/26/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (WES COMBS)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: EVERGREEN STATE: AL

AIRPORT NAME: MIDDLETON FIELD ID: KGZH

PROCEDURE: RNAV (GPS) RWY 10 AMDT: 1

DOCKET # :
(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 THLD to 1000' point 3.43
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of FINAL segment at 1000' point 1.20
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of FINAL segment containing 1000' point 99.46
4. High Terrain in FINAL segment containing 1000' point 449
5. Distance from THLD to 1500' point 5.11
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of FINAL segment at 1500' point 1.95
7. True Course of FINAL segment containing 1500' point 99.46
8. High Terrain in FINAL segment containing 1500' point 449
9. Threshold Coordinates (if straight-in) ... 312503.91N / 0870251.35W
10. ARP Coordinates ..... 312453.70N / 0870240.09W
11. Runway Approach End and distance furthest from ARP.....RWY 28
    Distance 0.65 NM
12. FAF Coordinates ..... 312556.51N / 0870858.55W
    (Click to Select)

REMARKS:

APPROACH/DRAWING ATTACHED.

RADIO FIX AND HOLDING DATA RECORD

NAME: GIRCE **STATE:** AL **COUNTRY:** US

LATITUDE/LONGITUDE: 312658.76N/0871615.88W **TYPE:** WP

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	KGZH R10					279.51	11.63				17500

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

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		WP	277.39	097.39	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (01-2006)	312841.13N/0872634.96W	812	2C

REMARKS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	MIDDLETON FIELD - RNAV (GPS) RWY 10 (PAT 1).			KGZH	EVERGREEN	AL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:**

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX, ZTL
ATC FACILITY:
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: SARYO **STATE:** AL **COUNTRY:** US

LATITUDE/LONGITUDE: 312202.13N/0871713.05W **TYPE:** WP

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

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	GIRCE					189.39	5.00				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	MIDDLETON FIELD - RNAV (GPS) RWY 10.			KGZH	EVERGREEN	AL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:**

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX, ZTL
ATC FACILITY:
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: ZAXUN **STATE:** AL **COUNTRY:** US

LATITUDE/LONGITUDE: 313155.38N/0871518.61W **TYPE:** WP

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

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	GIRCE					009.39	5.00				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	MIDDLETON FIELD - RNAV (GPS) RWY 10.			KGZH	EVERGREEN	AL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:**

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX, ZTL
ATC FACILITY:
OTHER:

QUALITY CHECKED 4

Federal Aviation Administration

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Susan L. Crumb, Manager, Eastern Product Team, AJV-352

Subject: **ACTION:** Magnetic Variation Change for Middleton Field, Evergreen, AL (KGZH)

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

RNAV (GPS) RWY 1, AMDT 1
RNAV (GPS) RWY 10, AMDT 1
RNAV (GPS) RWY 19, AMDT 1
RNAV (GPS) RWY 28, AMDT 1
TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 2

Estimated Chart Date: 05/02/2013

Please publish these changes in the National Flight Data Digest.

ALABAMA

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Is	Epoch Year
Evergreen	Middleton Field	Airport	KGZH / GZH	Old 2° East New 3° West	2015

If you have any questions please notify Susan L. Crumb, susan.l.crumb@faa.gov (405-954-8686).

cc: AJV-3rf
sjb:x7537: 11/27/2012: (U:\AVN100\PIT\MAGVAR\MAGVAR\MAGVAR Letters 2013\ MV Change Request for Middleton Field, Evergreen, AL (KGZH) 11-27-12 Requestor: WCombs, Evaluated By: LFortier