US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
STWRT/ 34.57 DME	AIK NDB	281.58 / 10.06	2500
AIK NDB (IAF)	CARDO INT (NOPT)	261.63 / 17.73	2500
IRQ VORTAC (IAF)	CARDO INT (NOPT)	141.34 / 10.54	2500
CARDO INT (IF)	HOGEM INT	172.21 / 6.94 (I-MZX)	1800

MISSED APPROACH

ILS: DA
LOC: 5.02 MILES AFTER HOGEM INT

CLIMB TO 2000 DIRECT BUSHE LOM AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2100 ON HEADING 347.00 AND IRQ VORTAC R-167 TO IRQ VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 352.24 INBOUND.
CHART IN PLANVIEW. ALTERNATE MA HOLDING, HOLD N, RT, 161.00 INBOUND.
FAS OBST: 369 AAO 332651N/0815932W
CHART IN PLANVIEW: IRQ VORTAC.

1. PT L SIDE OF COURSE 352.21 OUTBOUND 2500 FT WITHIN 10 MILES OF CARDO INT (IAF)
2.
3. FAC: 172.21 FAF: HOGEM INT DIST FAF TO MAP: 5.02 THLD: 5.02
4. MIN. ALT: CARDO INT 2500, HOGEM INT 1800
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1074
6. MIN GS INCPT: 1800 GS ALT AT: HOGEM 1800 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.9
8. MSA FROM: EMR NDB 045-315 3000, 315-045 2400

MAG VAR: 4W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: # | LOC: 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
S-ILS 17 *	344	2400	200	344	2400	200	344	2400	200	344	2400	200			
S-LOC 17	620	2400	476	620	2400	476	620	5000	476	620	5000	476			
CIRCLING	780	1	636	780	1	636	780	1 3/4	636	780	2	636			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 8 NA AT NIGHT.
CHART NOTE: ADF REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DANIEL FIELD ALTIMETER SETTING AND (SEE FORM 8260-10)

CAT A, B, C, D 700-2
#@ NA WHEN CONTROL TOWER CLOSED.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 144 THRE: 144 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
AUGUSTA, GA	AUGUSTA RGNL AT BUSH FIELD	I-MZX	ILS OR LOC RWY 17, AMDT 9	AMDT: 8A
				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]	[X]	[X] AGS ATCT, AMGR, ZTL

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
DONALD E. SMITH (NICHOLAS K. JACKSON)	AJV-352	11/14/2011

APPROVED BY

NAME:		FIFO	DATE:
DARRYEL ADAMS	MANAGER	AJV-352	

CHANGES:

1. DISTANCE FROM CARDO TO HOGEM CHANGED FROM 7.01 TO 6.94.
2. ALTITUDES FOR STWRT TO AIK NDB, AIK NDB TO CARDO, AND IRQ VORTAC TO CARDO SEGMENTS HAVE RISEN FROM 2400 TO 2500.
3. HOLD-IN-LIEU SEGMENT ALLEVIATED, PROCEDURE TURN ADDED.
4. DIST FAF TO MAP AND THLD CHANGED FROM 4.95 TO 5.02.
5. TCH VALUE CHANGED FROM 55.7 TO 55.9.
6. ADDED ALTERNATE MISSED APPROACH INSTRUCTIONS.
7. S-ILS DA RAISED LOWERED FROM 345 TO 344.
8. S-LOC MDA/HATH LOWERED FROM 700/555 TO 620/476.
9. ADDED NOTE "WHEN VGSI INOP, CIRCLING RWY 8 NA AT NIGHT".
10. DA, MDA, AND VISIBILITY ADJUSTMENTS WHEN BACK-UP ALTIMETER SOURCE IN USE ADDED VIA NOTE.
11. ADDED WHEN MALSR INOPERATIVE NOTES.

REASONS:

1, 4. 8260.54A L-V RNP PFAF FORMULA APPLIED.
2. DUE TO IMPLEMENTATION OF PROCEDURE TURN REQUIRING A MINIMUM ALTITUDE OF 2500.
3. PER ATC REQUEST.
5. ILS DATA UPDATED PER AVNIS.
6. IAW 8260.19D PARA 856(G).
7. THRE UTILIZED IN LIEU OF TDZE.
8. NEW CONTROLLING OBSTACLE, ACCURACY CODE ADJUSTMENT NO LONGER REQUIRED.
9. IAW 8260.19D PARA 854(M)2H.
10. IAW 8260.19D PARA 854(L)1A.
11. IAW 8260.19D PARA 854(M)3.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
INCREASE ALL DA 55 FEET AND ALL MDA 60 FEET; INCREASE S-LOC 17 CATS C/D VISIBILITY TO RVR 5500 AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 17 CATS C/D VISIBILITY TO 1 3/8.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING DANIEL FIELD ALTIMETER SETTING, INCREASE S-LOC 17 CATS C/D VISIBILITY TO 1 1/2.
CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA

QUALITY CHECKED

CITY AND STATE	ELEVATION: 144 THRE: 144 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
AUGUSTA, GA	**AUGUSTA RGNL AT BUSH FIELD**	**I-MZX**	**ILS OR LOC RWY 17, AMDT 9**	AMDT: **8A**
				DATED: **04/10/2008**

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        IRQ   K7011390VTH  N33422647W082094343    N33422647W082094343W0040004202     NARCOLLIERS
        SUSADB       AG    K7002330HOLW N33171304W081564878                 W0040              NARBUSHE
        SUSADB       AIK   K7003470H MW N33390648W081403710                 W0060              NARAIKEN
        SUSADB       EMR   K7003850H  W N33274615W081594872                 W0040              NAREMORY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CARDO K70    C     N33344034W082011051                 W0063     NAR           CARDO
        SUSAEAENRT   HOGEM K70    C     N33275222W081592864                 W0063     NAR           HOGEM
        SUSAEAENRT   STWRT K70    R     N33380715W081283762                 W0067     NAR           STWRT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGSK7AAGS     0     080YHN33221180W081575220W004000144         1800018000C    MNAR    AUGUSTA RGNL AT BUSH FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGSK7FI17   ACARDO 010CARDOK7EA0EE AR   PI IRQ K7      14130105307201O0D   + 02500     18000                0 NS
        SUSAP KAGSK7FI17   AIRQ   010IRQ  K7D 0V  A    FC IRQ K7      0000000014130085D   + 02500     18000                0 NS
        SUSAP KAGSK7FI17   AIRQ   020CARDOK7EA0EE B    CF IMZXK7      3522013514130020PI  + 02500                          0 NS
        SUSAP KAGSK7FI17   ASTWRT 010STWRTK7EA0E       IF                                 18000                0 NS
        SUSAP KAGSK7FI17   ASTWRT 020AIK  K7DB0N  A    TF                                 + 02500                          0 NS
        SUSAP KAGSK7FI17   ASTWRT 030AIK  K7DB0N       FC IRQ K7      10170245261601S7D   + 02500                          0 NS
        SUSAP KAGSK7FI17   ASTWRT 040CARDOK7EA0EE B    CF IMZXK7      3522013526160020PI  + 02500                          0 NS
        SUSAP KAGSK7FI17   I      010CARDOK7EA0E  I    IF IMZXK7      35220135        PI  J 025000180018000                0 NS
        SUSAP KAGSK7FI17   I      020HOGEMK7EA0E  F    CF IMZXK7      3522006617200069PI  H 0180001800        -300EMR  K7DB0 NS
        SUSAP KAGSK7FI17   I      030RW17 K7PG0GY M    CF IMZXK7      3522001517200050PI    00200             -300           0 NS
        SUSAP KAGSK7FI17   I      040AG   K7DB0NYM     DF                                 + 02000                          0 NS
        SUSAP KAGSK7FI17   I      050AG   K7DB0NE  R   HM                      3522T010   + 02000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGSK7GRW17    0080011722 N33225660W081581502-0100    +0013800144000056150IIMZX1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 144 THRE: 144 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AUGUSTA, GA	**AUGUSTA RGNL AT BUSH FIELD**	**I-MZX**	**ILS OR LOC RWY 17, AMDT 9**	AMDT: **8A**
				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
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.29

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        SUSAP KAGSK7IIMZX1   011175RW17 N33212672W0815752661722N33224670W0815809551282 10740432300W00405600139
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGSK7SEMR  K7DB                0   1352250242522513503025                                                                M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 144 THRE: 144	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AUGUSTA, GA	AIRPORT NAME: AUGUSTA RGNL AT BUSH FIELD	I-MZX	ILS OR LOC RWY 17, AMDT 9	AMDT: 8A
				DATED: 04/10/2008

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CARDO	CARDO	010	IAF	PI	R	FB		307.2()	010.0	AA 02500	
	IRQ	IRQ	010	IAF	FC		FB		141.3()	008.5	AA 02500	
	IRQ	CARDO	020		CF		FB		141.3()	002.0	AA 02500	
	STWRT	STWRT	010		IF		FB					
	STWRT	AIK	020	IAF	TF		FB				AA 02500	
	STWRT	AIK	030		FC		FB		261.6()	015.7	AA 02500	
	STWRT	CARDO	040		CF		FB		261.6()	002.0	AA 02500	
		CARDO	010	FACF	IF		FB				AA 02500 GI 01800	
		HOGEM	020	FAF	CF		FB		172.0()	006.9	GI 01800 GS 01800	
		RW17	030	MAP	CF		FO		172.0()	005.0	AT 00200	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AG	040		DF		FO				AA 02000	
	AG	050		HM	R	FO		352.2()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IRQ	N334226.47	W0820943.43	N3342.441	W08209.724
	AG	N331713.04	W0815648.78	N3317.217	W08156.813
	AIK	N333906.48	W0814037.10	N3339.108	W08140.618
	EMR	N332746.15	W0815948.72	N3327.769	W08159.812
	CARDO	N333440.34	W0820110.51	N3334.672	W08201.175
	HOGEM	N332752.22	W0815928.64	N3327.870	W08159.477
	STWRT	N333807.15	W0812837.62	N3338.119	W08128.627
	RW17	N332256.60	W0815815.02	N3322.943	W08158.250
	IMZX (LOC)	N332126.72	W0815752.66	N3321.445	W08157.878

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00144	56

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 144 THRE: 144	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AUGUSTA, GA	AIRPORT NAME: **AUGUSTA RGNL AT BUSH FIELD**	**I-MZX**	**ILS OR LOC RWY 17, AMDT 9**	AMDT: **8A**
				DATED: **04/10/2008**

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC PACKET - 424-18 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        IRQ   K7011390VTH  N33422647W082094343    N33422647W082094343W0040004202     NARCOLLIERS
        SUSADB       AG    K7002330HOLW N33171304W081564878                    W0040           NARBUSHE
        SUSADB       AIK   K7003470H MW N33390648W081403710                    W0060           NARAIKEN
        SUSADB       EMR   K7003850H  W N33274615W081594872                    W0040           NAREMORY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CARDO K70    C     N33344034W082011051                    W0063     NAR           CARDO
        SUSAEAENRT   HOGEM K70    C     N33275222W081592864                    W0063     NAR           HOGEM
        SUSAEAENRT   STWRT K70    R     N33380715W081283762                    W0067     NAR           STWRT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGSK7AAGS     0     080YHN33221180W081575220W004000144         1800018000C    MNAR    AUGUSTA RGNL AT BUSH FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGSK7FL17   ACARDO 010CARDOK7EA0EE AR   PI IRQ K7      1413010530720100D   + 02500     18000                0 NS
        SUSAP KAGSK7FL17   AIRQ   010IRQ  K7D 0V  A    FC IRQ K7      0000000014130085D   + 02500     18000                0 NS
        SUSAP KAGSK7FL17   AIRQ   020CARDOK7EA0EE B    CF IMZXK7      3522013514130020PI  + 02500                          0 NS
        SUSAP KAGSK7FL17   ASTWRT 010STWRTK7EA0E       IF                                 18000                0 NS
        SUSAP KAGSK7FL17   ASTWRT 020AIK  K7DB0N  A    TF                                 + 02500                0 NS
        SUSAP KAGSK7FL17   ASTWRT 030AIK  K7DB0N       FC IRQ K7      1017024526160157D   + 02500                          0 NS
        SUSAP KAGSK7FL17   ASTWRT 040CARDOK7EA0EE B    CF IMZXK7      3522013526160020PI  + 02500                          0 NS
        SUSAP KAGSK7FL17   L      010CARDOK7EA0E  I     IF IMZXK7      35220135         PI  + 02500     18000                0 NS
        SUSAP KAGSK7FL17   L      020HOGEMK7EA0E  F     CF IMZXK7      3522006617200069PI  + 01800                EMR   K7DB0 NS
        SUSAP KAGSK7FL17   L      030RW17 K7PG0GY M     CF IMZXK7      3522001517200050PI    00200          -301                0 NS
        SUSAP KAGSK7FL17   L      040AG   K7DB0NYM      DF                                 + 02000                          0 NS
        SUSAP KAGSK7FL17   L      050AG   K7DB0NE  R    HM                    3522T010     + 02000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGSK7GRW17    0080011722 N33225660W081581502-0100    +0013800144000056150IIMZX1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
```

CITY AND STATE	ELEVATION: 144 THRE: 144 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AUGUSTA, GA	**AUGUSTA RGNL AT BUSH FIELD**	**I-MZX**	**ILS OR LOC RWY 17, AMDT 9**	AMDT: **8A**
				DATED: **04/10/2008**

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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```
        SUSAP KAGSK7IIMZX1   011175RW17 N33212672W0815752661722N33224670W0815809551282 10740432300W00405600139
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAGSK7SEMR  K7DB                0   1352250242522513503025                                                                M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 144 THRE: 144	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AUGUSTA, GA	AIRPORT NAME: AUGUSTA RGNL AT BUSH FIELD	I-MZX	ILS OR LOC RWY 17, AMDT 9	AMDT: 8A
				DATED: 04/10/2008

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CARDO	CARDO	010	IAF	PI	R	FB		307.2()	010.0	AA 02500	
	IRQ	IRQ	010	IAF	FC		FB		141.3()	008.5	AA 02500	
	IRQ	CARDO	020		CF		FB		141.3()	002.0	AA 02500	
	STWRT	STWRT	010		IF		FB					
	STWRT	AIK	020	IAF	TF		FB				AA 02500	
	STWRT	AIK	030		FC		FB		261.6()	015.7	AA 02500	
	STWRT	CARDO	040		CF		FB		261.6()	002.0	AA 02500	
		CARDO	010	FACF	IF		FB				AA 02500	
		HOGEM	020	FAF	CF		FB		172.0()	006.9	AA 01800	
		RW17	030	MAP	CF		FO		172.0()	005.0	AT 00200	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AG	040		DF		FO				AA 02000	
	AG	050		HM	R	FO		352.2()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IRQ	N334226.47	W0820943.43	N3342.441	W08209.724
	AG	N331713.04	W0815648.78	N3317.217	W08156.813
	AIK	N333906.48	W0814037.10	N3339.108	W08140.618
	EMR	N332746.15	W0815948.72	N3327.769	W08159.812
	CARDO	N333440.34	W0820110.51	N3334.672	W08201.175
	HOGEM	N332752.22	W0815928.64	N3327.870	W08159.477
	STWRT	N333807.15	W0812837.62	N3338.119	W08128.627
	RW17	N332256.60	W0815815.02	N3322.943	W08158.250
	IMZX (LOC)	N332126.72	W0815752.66	N3321.445	W08157.878

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00144	56

CITY AND STATE	ELEVATION: 144 THRE: 144	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AUGUSTA, GA	AIRPORT NAME: **AUGUSTA RGNL AT BUSH FIELD**	**I-MZX**	**ILS OR LOC RWY 17, AMDT 9**	AMDT: **8A**
				DATED: **04/10/2008**

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	STWRT/ 34.57 DME	AIK NDB	1. TOWER (45-001979)	333610.00N/0813511.00W	837 (5D)	1000	AT663	2500
			2. TERRAIN	334324.00N/0814124.00W	565 (600)		AS1500	2100
INITIAL	AIK NDB	CARDO INT	3. TOWER (45-000529)	333641.54N/0815629.84W	1396 (2C)	1000	AT104	2500
			4. TERRAIN	334039.00N/0815239.00W	607 (600)		AS1500	2100
INITIAL	IRQ VORTAC	CARDO INT	5. TOWER (45-000142)	333939.70N/0821046.96W	844 (2C)	1000	AT656	2500
			6. TERRAIN	333742.40N/0820803.30W	591 (600)		AS1500	2100
INITIAL: PT	10 NM	CARDO INT	3. TOWER (45-000529)	333641.54N/0815629.84W	1396 (2C)	1000		2400
			7. TERRAIN	333606.00N/0815639.00W	1045 (1000)		AS1500	2500
INTERMEDIATE	CARDO INT	HOGEM INT	8. TOWER (45-000296)	333021.00N/0815743.00W	972 (1D)	500	AT328	1800
			9. TERRAIN	333503.00N/0815845.00W	552 (600)		AS1000	1600
FINAL: ILS	GS INTCP	RW17				ASC		344/200
FINAL: LOC	HOGEM INT	5.02 MILES AFTER HOGEM INT	10. AAO	332651.29N/0815932.09W	369 (2C)	250		620
2. PROCEDURE TURN	CARDO INT	10 NM	3. TOWER (45-000529)	333641.54N/0815629.84W	1396 (2C)	1000	AT104	2500
			6. TERRAIN	333742.40N/0820803.30W	591 (600)		AS1500	2100
3. MISSED APPROACH MAP:	DA / 5.02 MILES AFTER HOGEM INT	BUSHE LOM				ASC		2000
			11. AAO	331745.00N/0815806.00W	545 (4E)	1000		1600
ELEV:	177/370		12. TERRAIN	331745.00N/0815806.00W	345 (300)		AS1500	1800

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED		HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	636	13. TREE	332235.00N/0815941.00W	469 (2C)	300		780
CATEGORY B	1.5 NM	450	636	13. TREE	332235.00N/0815941.00W	469 (2C)	300		780
CATEGORY C	1.7 NM	450	636	14. TOWER (13-003775)	332237.90N/0820004.80W	470 (2C)	300		780
CATEGORY D	2.3 NM	550	636	14. TOWER (13-003775)	332237.90N/0820004.80W	470 (2C)	300		780
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: EMR NDB

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	MSA
045-315	TWR (45-000300)	117/ 08.9	1939 (2C)	3000					6
315-045	TWR (45-000529)	021/ 09.3	1396 (2C)	2400					CHECKED

CITY AND STATE	AIRPORT	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
AUGUSTA, GA	ELEVATION: 144 AIRPORT NAME: AUGUSTA RGNL AT BUSH FIELD	I-MZX	ILS OR LOC RWY 17, AMDT 9	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZTL ARTCC AGS TOWER	[ ] N W S OTHER: ASOS [ ] F A A [ ] A / C	SOURCE: KAGS / KDNL DISTANCE: 0 / 6.90 HOURS REMOTE OPERATION: 24 / 24
SATISFACTORY ON:		
[X] V H F [X] U H F [ ] H F	LOCATION: KAGS	ADJUSTMENT: 0 / 55

4. MONITOR STATUS	PRIMARY NAVAID: I-MZX	
	MONITOR POINT: AGS ATCT	
	HRS OPTN: CAT 1	24
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 17 (PCL), 35 (PCL)
X	HIRL 17, 35
X	MIRL 08, 26
X	REIL 08, 26
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-4L 17, 08, 35, 26

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 17, 35
	INSTRUMENT	NPI-G 08; -F 26
7. RUNWAY VISUAL RANGE	APPROACH	17, 35
	MIDFIELD	
	ROLL OUT	17, 35

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 144.2
	DISTANCE FROM RWY: 1074	ELEV GP ANTENNA: 143.8
		THRESHOLD CROSSING HEIGHT: 55.9

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 (NICHOLAS K. JACKSON)	DATE: 11/14/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/71.2

RASS PRESSURE PATTERNS SAME
KAGS 144.2, KDNL 423.0
RA = 54.9.
SEE ATTACHED AIRSPACE LETTER.

TERPS PARAGRAPH 289 APPLIED TO 393 TOWER
332704N/0815847W

KAGS AND KDNL ARE ON SERVICE A

VEGETATION HEIGHT OF 100 FEET UTILIZED PER PREVIOUS PROCEDURE

ILS AND LOC HAVE THE SAME MISSED APPROACH AND INTERMEDIATE CONTROLLING OBSTRUTIONS.

FPT NOTIFIED OF 20:1 PENETRATIONS.

TERPS VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:

20:1
R08 175 LT POLE (KAGS0001) 332158.46N-0815821.66W (.56)

R08 199 TREE (KAGS0002) 332152.52N-0815822.03W (16.69)
R08 215 TREE (KAGST009) 332150.40N-0815829.14W (1.19)

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 2100
15. TOWER (13-001381) 332615.00N/0820526.00W 1049 (5D)
1000 2100
16. TERRAIN 333730.00N/0820742.00W 558 (600) AS1500
2100

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CARDO **STATE:** SC **COUNTRY:** US

LATITUDE/LONGITUDE: 333440.34N/0820110.51W **TYPE:** WP, INT

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	AUGUSTA	I-MZX	LOC		352.21	348.21		13.49		2100	4000
2	AIKEN	AIK	NDB	MH	261.63	255.63		17.73		2100	8000
3	COLLIERS	IRQ	VORTAC	H	141.34	137.34		10.54		2100	8000

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	352.18	172.18	R		4	2400	6000	5	6
2	N	I-MZX	LOC	N CRS	172.21	R	1		2100	4000	4	4

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	333742.40N/0820803.30W	791	6C
2	200	AAO	333742.40N/0820803.30W	791	6C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17	1, 2, 3	2	KAGS	AUGUSTA	GA (US)
IAP	RNAV (GPS) RWY 17		1	KAGS	AUGUSTA	GA (US)
IAP	RNAV (GPS) RWY 35		1	KAGS	AUGUSTA	GA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
UPDATED FIX USE
REMOVED KAGS R17 AS FAC 4
ADDED PRECIPITOUS TERRAIN REMARK
MOVED HOLDING LIMITED REMARK TO RESTRICTIONS
ADDED DIST FROM FACS
LOWERED PAT 1 MAX ALTITUDE FROM 8000 TO 6000
LOWERED PAT 1 MAX TEMPLATE SIZE FROM 7 TO 6

DEVELOPED BY: **DATE:** 11/02/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (NICHOLAS JACKSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: AGS
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HOGEM **STATE:** SC **COUNTRY:** US

LATITUDE/LONGITUDE: 332752.22N/0815928.64W **TYPE:** WP, INT

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	AUGUSTA	I-MZX	LOC		352.21	348.21		6.55	39806	1800	8000
2	EMORY	EMR	NDB	H	074.17	070.17		0.30		1800	8000

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

REMARKS:
8260.54A L-V RNP PFAF FORMULA APPLIED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17	1, 2		KAGS	AUGUSTA	GA (US)
IAP	RNAV (GPS) RWY 17			KAGS	AUGUSTA	GA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
REMOVED KAGS R17 AS FAC 3
UPDATED FIX USE
FIX MOVED 443.01 FEET NORTH, COORDINATES UPDATED
ADDED DIST FROM FACS
FAC 2 MAG/TRUE BRG CHANGED FROM 088.26/084.26 TO 074.17/070.17

DEVELOPED BY: **DATE:** 10/21/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (NICHOLAS JACKSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: AGS
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: AIKEN NDB **STATE:** SC **COUNTRY:** US

LATITUDE/LONGITUDE: 333906.51N/0814037.39W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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	AIKEN	AIK	NDB	MH							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	NE	AIK	NDB	044.52	224.52	R	1		2200	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-020034)	334719.00N/0813757.40W	879	5D
1	310	TOWER (45-000759)	333510.00N/0814253.00W	1105	2D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	NDB RWY 25	KAIK	AIKEN	SC (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17			KAGS	AUGUSTA	GA (US)
IAP	NDB RWY 25		1	KAIK	AIKEN	SC (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
REVISED HOLDING PATTERN INBOUND COURSE.
UPDATED FIX USE.
UPDATED CONTROLLING OBSTACLE INFORMATION.

DEVELOPED BY: **DATE:** 06/28/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER JOHENGEN)

APPROVED BY: **DATE:** 09/14/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZJX
ATC FACILITY: AGS APP CON
OTHER: CAE APP CON

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BUSHE LOM **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 331712.87N/0815649.64W **TYPE:** WP

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	BUSHE	AG	LOM								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	S	AG	LOM	172.24	352.24	R	1		2000	6000	4	5
2	S	AG	LOM	162.01	342.01	R	1		3000	6000	4	5
3	S		WP	162.00	342.00	R		5	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (13-002703)	331554.00N/0815926.00W	674	5D
2	200	TOWER (13-002703)	331554.00N/0815926.00W	674	5D
3	200	TOWER (13-002393)	331628.00N/0820055.00W	760	1C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE BUSHE LOM.
ACTUAL FACILITY LOCATION IS 331713.04N/0815648.78W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17		1	KAGS	AUGUSTA	GA (US)
IAP	ILS OR LOC RWY 35 (ALTERNATE MISSED APPROACH)		1	KAGS	AUGUSTA	GA (US)
IAP	NDB RWY 17		1	KAGS	AUGUSTA	GA (US)
IAP	NDB/DME-C		2	KDNL	AUGUSTA	GA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 09/23/2010

REASON FOR REVISION:
UPDATED FIX USE.
MOVED HOLDING LIMITED REMARK TO RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN REMARK.
UPDATED CONTROLLING OBSTACLE ID'S FOR PAT 1, 2, AND 3.

DEVELOPED BY: **DATE:** 04/30/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ (NICHOLAS JACKSON)

APPROVED BY: **DATE:** 09/09/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: AGS ATCT
OTHER:

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: COLLIERS VORTAC **STATE:** SC **COUNTRY:** US

LATITUDE/LONGITUDE: 334226.47N/0820943.43W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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	COLLIERS	IRQ	VORTAC	H							45000

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	N	IRQ	VORTAC	341.00	161.00	R	1-1 1/2		2000	17500	4	16
2	NE	IRQ	VORTAC	063.00	243.00	R	1		2000	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-000142)	333939.70N/0821046.96W	844	2C
2	200	TOWER (45-000142)	333939.70N/0821046.96W	844	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JAGUAR			KMCO	ORLANDO	FL (US)
DP	MUNSN (RNAV)			KATL	ATLANTA	GA (US)
DP	CHATT (RNAV)			KAGS	AUGUSTA	GA (US)
DP	KAOLN (RNAV)			KAGS	AUGUSTA	GA (US)
DP	CHATT (RNAV)			KDNL	AUGUSTA	GA (US)
DP	NDINA (RNAV)			KDNL	AUGUSTA	GA (US)
DP	CHATT (RNAV)			KHQU	THOMSON	GA (US)
DP	NDINA (RNAV)			KHQU	THOMSON	GA (US)
DP	HUGO			KVUJ	ALBEMARLE	NC (US)
DP	PANTHER			KVUJ	ALBEMARLE	NC (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	HUGO			KCLT	CHARLOTTE	NC (US)
DP	PANTHER			KCLT	CHARLOTTE	NC (US)
DP	HUGO			KJQF	CONCORD	NC (US)
DP	PANTHER			KJQF	CONCORD	NC (US)
DP	HUGO			KAKH	GASTONIA	NC (US)
DP	PANTHER			KAKH	GASTONIA	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	HUGO			KIPJ	LINCOLNTON	NC (US)
DP	PANTHER			KIPJ	LINCOLNTON	NC (US)
DP	HUGO			KEQY	MONROE	NC (US)
DP	PANTHER			KEQY	MONROE	NC (US)
DP	HUGO			KRUQ	SALISBURY	NC (US)
DP	PANTHER			KRUQ	SALISBURY	NC (US)
DP	CHATT (RNAV)			KAIK	AIKEN	SC (US)
DP	DOVER (RNAV)			KAIK	AIKEN	SC (US)
DP	JUNPR (RNAV)			KAIK	AIKEN	SC (US)
DP	KAOLN (RNAV)			KAIK	AIKEN	SC (US)
DP	PLFMD (RNAV)			KCHS	CHARLESTON	SC (US)
DP	EXECUTIVE (RNAV)			KJZI	CHARLESTON	SC (US)
DP	HUGO			KLKR	LANCASTER	SC (US)
DP	PANTHER			KLKR	LANCASTER	SC (US)
DP	HUGO			KUZA	ROCK HILL	SC (US)
DP	PANTHER			KUZA	ROCK HILL	SC (US)
EN ROUTE	J4					(US)
EN ROUTE	J52					(US)
EN ROUTE	J53					(US)
EN ROUTE	J81					(US)
EN ROUTE	J85					(US)
EN ROUTE	J99					(US)
EN ROUTE	T209					(US)
EN ROUTE	V155					(US)
EN ROUTE	V18					(US)
EN ROUTE	V185					(US)
EN ROUTE	V417					(US)
EN ROUTE	V56					(US)
IAP	ILS OR LOC RWY 17			KAGS	AUGUSTA	GA (US)
IAP	ILS OR LOC RWY 35		1	KAGS	AUGUSTA	GA (US)
IAP	RNAV (GPS) Z RWY 8			KAGS	AUGUSTA	GA (US)
IAP	VOR/DME RWY 17		1	KAGS	AUGUSTA	GA (US)

QUALITY CHECKED

IAP	NDB RWY 11		KDNL	AUGUSTA	GA (US)
IAP	NDB/DME-C	1	KDNL	AUGUSTA	GA (US)
IAP	VOR/DME-B	1	KDNL	AUGUSTA	GA (US)
IAP	ILS OR LOC/NDB RWY 10	2	KHQU	THOMSON	GA (US)
IAP	NDB RWY 10		KHQU	THOMSON	GA (US)
IAP	VOR/DME-A	2	KHQU	THOMSON	GA (US)
IAP	ILS OR LOC/DME RWY 7		KAIK	AIKEN	SC (US)
IAP	NDB RWY 25		KAIK	AIKEN	SC (US)
IAP	VOR/DME-A		KAIK	AIKEN	SC (US)
STAR	CANUK (RNAV)		KATL	ATLANTA	GA (US)
STAR	SINCA		KATL	ATLANTA	GA (US)
STAR	JRAMS (RNAV)		KFTY	ATLANTA	GA (US)
STAR	JRAMS (RNAV)		KPDK	ATLANTA	GA (US)
STAR	TRBOW		KPDK	ATLANTA	GA (US)
STAR	JRAMS (RNAV)		KRYY	ATLANTA	GA (US)
STAR	TRBOW		KRYY	ATLANTA	GA (US)
STAR	STUGE		KAGS	AUGUSTA	GA (US)
STAR	STWRT		KAGS	AUGUSTA	GA (US)
STAR	STWRT		KDNL	AUGUSTA	GA (US)
STAR	JRAMS (RNAV)		K47A	CANTON	GA (US)
STAR	JRAMS (RNAV)		KVPC	CARTERSVILLE	GA (US)
STAR	JRAMS (RNAV)		KPUJ	DALLAS	GA (US)
STAR	JRAMS (RNAV)		KLZU	LAWRENCEVILLE	GA (US)
STAR	JRAMS (RNAV)		KMGE	MARIETTA	GA (US)
STAR	ADENA (RNAV)		KCLT	CHARLOTTE	NC (US)
STAR	UNARM		KCLT	CHARLOTTE	NC (US)
STAR	OSPRI (RNAV)		KCHS	CHARLESTON	SC (US)
STAR	TRTLS (RNAV)		KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)		KJZI	CHARLESTON	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
MOVED NOTE: HOLDING LIMITED TO ESTABLISHED PATTERNS, TO HOLDING RESTRICTIONS SECTION.
ADDED NOTE: PRECIPITOUS TERRAIN EVALUATION COMPLETED, TO REMARKS SECTION.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/30/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (NICHOLAS JACKSON)

APPROVED BY: **DATE:** 06/27/2011 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: AGS APCH
OTHER:

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: STWRT **STATE:** SC **COUNTRY:** US

LATITUDE/LONGITUDE: 333807.15N/0812837.62W **TYPE:** 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	COLUMBIA	CAE	VORTAC	H	240.00	238.00	25.00	25.00		3000	24000
2	COLLIERS	IRQ	VORTAC	H	100.98	096.98	34.57	34.57		3000	24000
3	EMORY	EMR	NDB	H	072.23	068.23		28.04		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	CAE	VORTAC	240.00	240.00	R		4	13000	23000	11	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-001979)	333610.00N/0813511.00W	837	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING REQUIRED DME OUTBOUND: CHART DME HOLDING ONLY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17	1, 2		KAGS	AUGUSTA	GA (US)
IAP	NDB RWY 11	1, 2, 3		KDNL	AUGUSTA	GA (US)
STAR	STWRT TWO	1, 2	1	KAGS	AUGUSTA	GA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/23/2010

REASON FOR REVISION:
UPDATED FIX USE.
ADDED DIST FROM FACS.
MOVED HOLDING LIMITED REMARK TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN REMARK.
ADDED IAP TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 04/28/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ (NICHOLAS JACKSON)

APPROVED BY: **DATE:** 09/09/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: AGS APP CON
OTHER:

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **AUGUSTA** STATE: **GA**

AIRPORT NAME: **AUGUSTA RGNL AT BUSH FIELD** ID: **KAGS**

PROCEDURE: **ILS OR LOC/NDB RWY 17** AMDT: **9**

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 **3.14**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **.90**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **168.21**
4. High Terrain in **FINAL** segment containing 1000' point **169**
5. Distance from **FAF** to 1500' point **6.14**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **7.23**
7. True Course of **INTERMEDIATE** segment containing 1500' point **168.21**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **552**
9. Threshold Coordinates (if straight-in) ... **332256.60N** / **0815815.02W**
10. ARP Coordinates ..... **332211.80N** / **0815752.20W**
11. Runway Approach End and distance furthest from ARP.....RWY **17**
    Distance **.81** NM
12. FAF Coordinates ..... **332752.22N** / **0815928.64W**
    (Click to Select)

REMARKS: Approach/Drawing attached.