US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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
VNA VORTAC	TECUS/VNA 22.08 DME	320.90 / 22.08	2100
MCN VORTAC	IJBEW INT/MCN 11.70 DME	228.06 / 11.70	2100
TECUS/VNA 22.08 DME (IAF)	IJBEW INT/MCN 11.70 DME (NOPT)	320.93 / 4.56 (VNA R-321)	2100
TOYOT INT (IAF)	IJBEW INT/MCN 11.70 DME (NOPT)	050.95 / 10.20 (I-MCN)	2100
IJBEW INT/MCN 11.70 DME (IF/IAF)	EHVEZ/MCN 5.77 DME	050.95 / 5.93 (I-MCN)	2000

MISSED APPROACH

ILS: DA
LOC: MCN VORTAC 0.75 DME FIX.

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2300 ON MCN VORTAC R-028 TO MURVE INT/MCN 17.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2300 HEADING 120 AND DBN VORTAC R-286 TO CARYS INT/DBN 24.94 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 208.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W CARYS INT/DBN 24.94 DME, RT, 105.68 INBOUND.
CHART FAS OBST: 589 TREE 323933N/0834110W
CHART IN PLANVIEW: CARYS INT/DBN 24.94 DME.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW IJBEW, RT, 050.95 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 050.95 FAF: EHVEZ/MCN 5.77 DME DIST FAF TO MAP: ____ THLD: 5.05
4. MIN. ALT: IJBEW 2100, EHVEZ 2000, YOLGU/MCN 2.90 DME 1080**
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 998
6. MIN GS INCPT: 2000 GS ALT AT: EHVEZ 2000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 60.2
8. MSA FROM: MCN VORTAC 135-270 2100, 270-135 2600

MAG VAR: 3W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # | 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 5	*531	2400	200	*531	2400	200	*531	2400	200	*531	2400	200	531	2400	200
S-LOC 5	840	2400	509	840	2400	509	840	5500	509	840	5500	509	840	5500	509
CIRCLING	880	1	526	880	1	526	900	1 1/2	546	960	2	606	1120	2 3/4	766

NOTES:
**LOC ONLY.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 13 AND 31 NA AT NIGHT.
CHART NOTE: DME FROM MCN VORTAC. SIMULTANEOUS RECEPTION OF I-MCN AND MCN DME REQUIRED.
CHART NOTE: *CAT A/B/C/D RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
(SEE FORM 8260-10)

CAT D 700-2, CAT E 800-2 3/4
@ CAT E 800-2 3/4
#@ NA WHEN CONTROL TOWER CLOSED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 354 THRE: 331 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	AMDT: ORIG-B
				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 ZTL, ATL APP CON, MCN ATCT, STATE AERO

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: DONALD E. SMITH (ROSS F. BARTO)	FIFO AJV-352	DATE: 12/27/2011
APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. MINIMUMS BASED ON HEIGHT ABOVE THLD VS TOUCHDOWN.
2. TCH RAISED FROM 60 FEET TO 60.2 FEET.
3. ADDED STEPDOWN FIX IN LOCALIZER FINAL.
4. LOWERED S-LOC 5 CATS A AND B VISIBILITY FROM RVR 5000 TO RVR 2400, CAT C VISIBILITY FROM RVR 6000 TO RVR 5500, CAT D VISIBILITY FROM 1 1/2 MILES TO RVR 5500 AND CAT E VISIBILITY FROM 1 3/4 MILES TO RVR 5500.
5. REVISED INOP NOTE.
6. CHANGED RWY 31 NIGHT CIRCLING NOTE TO "CIRCLING TO RWY 31 NA AT NIGHT".
7. ADDED VDP.
8. ADDED ALTERNATE MISSED APPROACH PROCEDURE.
9. REVISED FINAL COURSE FROM 050.96 TO 050.95 AND DISTANCE FAF TO MAP/THLD FROM 4.98 TO 5.05 MILES.
10. DELETED TIME/DISTANCE TABLE.
11. REVISED LOC MISSED APPROACH POINT DISCRIPTION.
12. REVISED 1800 RVR NOTE (DELETED "THE").

REASONS:

1. 8260.3, CH 20.
2. CURRENT AVNIS DATA.
3. LOWER LOCALIZER ONLY MINIMUMS.
4. STEPDOWN FIX AND 8260.3, CH 20.
5. LOWER MINIMUMS.
6. LACK OF REQUIRED SURVEY.
7. DME FROM MCN VORTAC.
8. PER FTP REQUEST.
9. NEW IAPA CALCULATION AND PFAF/FAF MOVED TO NEW LOCATION.
10. PROCEDURE REQUIRES DME.
11. DME
12. TYPO.

QUALITY CHECKED

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NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 5 CAT E VISIBILITY TO RVR 4000 AND S-LOC 5 CATS C/D/E VISIBILITY TO 1 3/8 MILES.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 354 THRE: 331 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	AMDT: ORIG-B
				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:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MCN   K7011420VTHW N32412826W083384986    N32412826W083384986E0010003812     NARMACON
        SUSAD        VNA   K7011650VTL  N32124839W083295012    N32124839W083295012E0010003001     NARVIENNA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EHVEZ K70    C     N32374614W083440484                      W0050     NAR           EHVEZ
        SUSAEAENRT   IJBEW K70    C     N32334711W083491711                      W0049     NAR           IJBEW
        SUSAEAENRT   MURVE K70    R     N32562179W083290231                      W0052     NAR           MURVE
        SUSAEAENRT   TECUS K70    R     N32301186W083455656                      W0049     NAR           TECUS
        SUSAEAENRT   TOYOT K70    R   L N32265534W083581356                      W0048     NAR           TOYOT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7AMCN     0     065YHN32413426W083385716W003000354         1800018000C    MNAR    MIDDLE GEORGIA RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7FI05   AMCN   010MCN  K7D 0V       IF                                                18000                 0 NS
        SUSAP KMCNK7FI05   AMCN   020IJBEWK7EA0EY      TF                                   + 02100                            0 NS
        SUSAP KMCNK7FI05   AMCN   030IJBEWK7EA0EE AR   HF IMCNK7      231001210510T010PI   + 02100                            0 NS
        SUSAP KMCNK7FI05   ATOYOT 010TOYOTK7EA0E  A    IF                                                18000                 0 NS
        SUSAP KMCNK7FI05   ATOYOT 020IJBEWK7EA0EE B    CF IMCNK7      2310012105100102PI   + 02100                            0 NS
        SUSAP KMCNK7FI05   AVNA   010VNA  K7D 0V       IF                                                18000                 0 NS
        SUSAP KMCNK7FI05   AVNA   020TECUSK7EA0E  A    TF                                   + 02100                            0 NS
        SUSAP KMCNK7FI05   AVNA   030TECUSK7EA0E       FC VNA K7      3209022132090026D    + 02100                            0 NS
        SUSAP KMCNK7FI05   AVNA   040IJBEWK7EA0EE B    CF IMCNK7      2310012132090020PI   + 02100                            0 NS
        SUSAP KMCNK7FI05   I      010IJBEWK7EA0E  I    IF IMCNK7      23100121         PI  J 021000200018000                 0 NS
        SUSAP KMCNK7FI05   I      020EHVEZK7EA0E  F    CF IMCNK7      2310006205100059PI   H 0200002000        -300MCN   K7D 0 NS
        SUSAP KMCNK7FI05   I      030RW05 K7PG0GY M    CF IMCNK7      2310001205100051PI     00391             -300          0 NS
        SUSAP KMCNK7FI05   I      040          0  M    CA                      0510         + 00800                            0 NS
        SUSAP KMCNK7FI05   I      050MURVEK7EA0EY      CF MCN K7      0280017002800170D    + 02300                            0 NS
        SUSAP KMCNK7FI05   I      060MURVEK7EA0EE  R   HM                      2080T010     + 02300                            0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7GRW05    0065010510 N32410967W083393828+0400    +0073800331000060150IIMCN1
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 354 THRE: 331	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	AMDT: ORIG-B
				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:

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                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7IIMCN1   010950RW05 N32415626W0833837190510N32411335W0833926460531 09980570300W00306000336

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7SMCN  K7D                0   0903150262531509002125                                                                M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 354 THRE: 331	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	AMDT: ORIG-B
				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:

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MCN	MCN	010		IF		FB					
	MCN	IJBEW	020		TF		FO				AA 02100	
	MCN	IJBEW	030	IAF	HF	R	FO		051.0()	T01.0	AA 02100	
	TOYOT	TOYOT	010	IAF	IF		FB					
	TOYOT	IJBEW	020		CF		FB		051.0()	010.2	AA 02100	
	VNA	VNA	010		IF		FB					
	VNA	TECUS	020	IAF	TF		FB				AA 02100	
	VNA	TECUS	030		FC		FB		320.9()	002.6	AA 02100	
	VNA	IJBEW	040		CF		FB		320.9()	002.0	AA 02100	
		IJBEW	010	FACF	IF		FB				AA 02100 GI 02000	
		EHVEZ	020	FAF	CF		FB		051.0()	005.9	GI 02000 GS 02000	
		RW05	030	MAP	CF		FO		051.0()	005.1	AT 00391	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		051.0()		AA 00800	
	MURVE	050		CF		FO		028.0()	017.0	AA 02300	
	MURVE	060		HM	R	FO		208.0()	T01.0	AA 02300	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
MCN	N324128.26	W0833849.86	N3241.471	W08338.831
VNA	N321248.39	W0832950.12	N3212.807	W08329.835
EHVEZ	N323746.14	W0834404.84	N3237.769	W08344.081
IJBEW	N323347.11	W0834917.11	N3233.785	W08349.285
MURVE	N325621.79	W0832902.31	N3256.363	W08329.039
TECUS	N323011.86	W0834556.56	N3230.198	W08345.943
TOYOT	N322655.34	W0835813.56	N3226.922	W08358.226
RW05	N324109.67	W0833938.28	N3241.161	W08339.638
IMCN (LOC)	N324156.26	W0833837.19	N3241.938	W08338.620

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW05	00331	60

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 354 THRE: 331	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	AMDT: ORIG-B
				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

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 PACKET - 424-18 - LOC

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MCN   K7011420VTHW N32412826W083384986    N32412826W083384986E0010003812     NARMACON
        SUSAD        VNA   K7011650VTL  N32124839W083295012    N32124839W083295012E0010003001     NARVIENNA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EHVEZ K70    C     N32374614W083440484                      W0050     NAR          EHVEZ
        SUSAEAENRT   IJBEW K70    C     N32334711W083491711                      W0049     NAR          IJBEW
        SUSAEAENRT   MURVE K70    R     N32562179W083290231                      W0052     NAR          MURVE
        SUSAEAENRT   TECUS K70    R     N32301186W083455656                      W0049     NAR          TECUS
        SUSAEAENRT   TOYOT K70    R   L N32265534W083581356                      W0048     NAR          TOYOT
        SUSAEAENRT   YOLGU K70    C     N32394187W083413333                      W0050     NAR          YOLGU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7AMCN     0     065YHN32413426W083385716W003000354         1800018000C    MNAR    MIDDLE GEORGIA RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7FL05   AMCN   010MCN  K7D 0V       IF                                                18000                  0 DS
        SUSAP KMCNK7FL05   AMCN   020IJBEWK7EA0EY      TF                                   + 02100                             0 DS
        SUSAP KMCNK7FL05   AMCN   030IJBEWK7EA0EE AR   HF IMCNK7      231001210510T010PI   + 02100                             0 DS
        SUSAP KMCNK7FL05   ATOYOT 010TOYOTK7EA0E  A    IF                                                18000                  0 DS
        SUSAP KMCNK7FL05   ATOYOT 020IJBEWK7EA0EE B    CF IMCNK7      2310012105100102PI   + 02100                             0 DS
        SUSAP KMCNK7FL05   AVNA   010VNA  K7D 0V       IF                                                18000                  0 DS
        SUSAP KMCNK7FL05   AVNA   020TECUSK7EA0E  A    TF                                   + 02100                             0 DS
        SUSAP KMCNK7FL05   AVNA   030TECUSK7EA0E       FC VNA K7      3209022132090026D    + 02100                             0 DS
        SUSAP KMCNK7FL05   AVNA   040IJBEWK7EA0EE B    CF IMCNK7      2310012132090020PI   + 02100                             0 DS
        SUSAP KMCNK7FL05   L      010IJBEWK7EA0E  I    IF IMCNK7      23100121         PI  + 02100     18000                  0 DS
        SUSAP KMCNK7FL05   L      020EHVEZK7EA0E  F    CF IMCNK7      2310006205100059PI   + 02000                 MCN   K7D 0 DS
        SUSAP KMCNK7FL05   L      021YOLGUK7EA0E S     CF IMCNK7      2310003305100029PI   + 01080             -301           0 DS
        SUSAP KMCNK7FL05   L      030RW05 K7PG0GY M    CF IMCNK7      2310001205100022PI     00391             -301           0 DS
        SUSAP KMCNK7FL05   L      040          0  M    CA                      0510         + 00800                             0 DS
        SUSAP KMCNK7FL05   L      050MURVEK7EA0EY      CF MCN K7      0280017002800170D    + 02300                             0 DS
        SUSAP KMCNK7FL05   L      060MURVEK7EA0EE  R   HM                      2080T010     + 02300                             0 DS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 354 THRE: 331	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	AMDT: ORIG-B
				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:

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.

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        SUSAP KMCNK7GRW05    0065010510 N32410967W083393828+0400    +0073800331000060150IIMCN1
                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7IIMCN1   010950RW05 N32415626W0833837190510N32411335W0833926460531 09980570300W00306000336
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCNK7SMCN  K7D                 0   0903150262531509002125                                                                M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 354 THRE: 331	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	AMDT: ORIG-B
				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

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
	MCN	MCN	010		IF		FB					
	MCN	IJBEW	020		TF		FO				AA 02100	
	MCN	IJBEW	030	IAF	HF	R	FO		051.0()	T01.0	AA 02100	
	TOYOT	TOYOT	010	IAF	IF		FB					
	TOYOT	IJBEW	020		CF		FB		051.0()	010.2	AA 02100	
	VNA	VNA	010		IF		FB					
	VNA	TECUS	020	IAF	TF		FB				AA 02100	
	VNA	TECUS	030		FC		FB		320.9()	002.6	AA 02100	
	VNA	IJBEW	040		CF		FB		320.9()	002.0	AA 02100	
		IJBEW	010	FACF	IF		FB				AA 02100	
		EHVEZ	020	FAF	CF		FB		051.0()	005.9	AA 02000	
		YOLGU	021	SDF	CF		FB		051.0()	002.9	AA 01080	
		RW05	030	MAP	CF		FO		051.0()	002.2	AT 00391	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		051.0()		AA 00800	
	MURVE	050		CF		FO		028.0()	017.0	AA 02300	
	MURVE	060		HM	R	FO		208.0()	T01.0	AA 02300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MCN	N324128.26	W0833849.86	N3241.471	W08338.831
	VNA	N321248.39	W0832950.12	N3212.807	W08329.835
	EHVEZ	N323746.14	W0834404.84	N3237.769	W08344.081
	IJBEW	N323347.11	W0834917.11	N3233.785	W08349.285
	MURVE	N325621.79	W0832902.31	N3256.363	W08329.039
	TECUS	N323011.86	W0834556.56	N3230.198	W08345.943
	TOYOT	N322655.34	W0835813.56	N3226.922	W08358.226
	YOLGU	N323941.87	W0834133.33	N3239.698	W08341.556
	RW05	N324109.67	W0833938.28	N3241.161	W08339.638
	IMCN (LOC)	N324156.26	W0833837.19	N3241.938	W08338.620

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00331	60

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 354 THRE: 331	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	AMDT: ORIG-B
				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.
FEEDER	VNA VORTAC	TECUS/VNA 22.08	1. TOWER (13-002059)	322238.00N/0834251.00W	935 (5D)	1000	AT165	2100
		DME	2. TERRAIN	322315.00N/0834415.00W	506 (500)		AS1500	2000
FEEDER	MCN VORTAC	IJBEW INT/MCN	3. TOWER (13-002148)	323525.00N/0834541.00W	947 (2C)	1000	AT153	2100
		11.70 DME	4. TERRAIN	323912.00N/0834857.00W	542 (500)		AS1500	2000
INITIAL	TECUS/VNA 22.08	IJBEW INT/MCN	3. TOWER (13-002148)	323525.00N/0834541.00W	947 (2C)	1000	AT153	2100
	DME	11.70 DME	5. TERRAIN	323430.00N/0835339.00W	542 (500)		AS1500	2000
INITIAL	TOYOT INT	IJBEW INT/MCN	6. TOWER (13-001311)	322629.00N/0835531.00W	965 (5D)	1000		2000
		11.70 DME	7. TERRAIN	323454.00N/0835451.00W	558 (600)		AS1500	2100
INTERMEDIATE	IJBEW INT/MCN	EHVEZ/MCN 5.77	3. TOWER (13-002148)	323525.00N/0834541.00W	947 (2C)	500		1500
	11.70 DME	DME	8. TERRAIN	323657.00N/0835124.00W	539 (500)		AS1500	2000
	(IF/IAF)							
FINAL: ILS	EHVEZ/MCN 5.77	RW05				ASC		531/200
	DME							
FINAL: LOC	EHVEZ/MCN 5.77	YOLGU/MCN 2.90	9. AAO	323913.91N/0834259.91W	699 (2C)	250	DG131	1080
	DME	DME						
2. HOLD-IN-LIEU-OF-PT	IJBEW	P-9	11. TOWER (13-000435)	323418.00N/0835558.00W	980 (2E)	1000		2000
			12. TERRAIN	323430.00N/0835636.00W	571 (600)		AS1500	2100
3. MISSED APPROACH — MAP:	DA / RW05	MURVE INT/MCN				ASC		2300
		17.00 DME	13. TOWER (13-000546)	324512.00N/0833332.00W	1212 (2D)	1000		2300
ELEV:	360/590		14. TERRAIN	325706.00N/0833115.00W	663 (700)		AS1500	2200

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL						
CATEGORY A	1.3 NM	350	526	17. TANK (13-001328)	324237.00N/0833900.00W	565 (1A)	300		880
CATEGORY B	1.5 NM	450	526	17. TANK (13-001328)	324237.00N/0833900.00W	565 (1A)	300		880
CATEGORY C	1.7 NM	450	546	18. TREE	323935.67N/0833929.48W	589 (2C)	300		900
CATEGORY D	2.3 NM	550	606	19. TANK (13-000822)	323857.00N/0833919.00W	595 (4D)	300	AC50	960
CATEGORY E	4.5 NM	550	766	20. TOWER (13-003732)	323746.98N/0833840.96W	803 (2C)	300		1120

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: MCN VORTAC

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
135-270	TWR (13-001538)	269/ 10.9	1049 (4D)	2100					
270-135	TWR (13-000320)	123/ 23.9	1550 (4D)	2600					

CITY AND STATE	ELEVATION: 354 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MACON, GA	MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, AMDT 1	ASO

QUALITY CHECKED 9

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZTL ARTCC ATL APP CON MCN TOWER		N W S	OTHER: ASOS	SOURCE: KMCN
		F A A		DISTANCE:
		A / C		HOURS REMOTE OPERATION:
SATISFACTORY ON:				
X V H F X U H F H F	LOCATION: KMCN			ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID: I-MCN		
	MONITOR POINT: MCN ATCT		
	HRS OPTN:	CAT 1	WHEN TOWER OPEN
		CAT 3	WHEN TOWER CLOSED

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 05
	X	HIRL 05 (PCL), 23 (PCL)
	X	MIRL 31 (PCL), 13 (PCL)
	X	REIL 31 (PCL), 13 (PCL), 23 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) VASI-4L 31 (PCL), 13, 23

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 05
	INSTRUMENT	NPI-G 31, 13, 23
7. RUNWAY VISUAL RANGE	APPROACH	05
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 330.8
	DISTANCE FROM RWY: 998	ELEV GP ANTENNA: 338.7
		THRESHOLD CROSSING HEIGHT: 60.2

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 (ROSS F. BARTO)	DATE: 12/27/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BLOCK 3: ALTIMETER SETTING
SOURCE: KMCN
2. ASOS IS ON SERVICE A

ON AIRPORT 24 HR NATIONAL WX SERVICE, NO BACK-UP ALTIMETER SOURCE REQUIRED.

TERPS VOLUME 1, VISUAL PORTION OF FINAL PENETRATIONS:

20:1
RWY 13: 391 TREE (KMCN0045) 324158.89N/0833912.23W (0.93)
RWY 31: 400 TREE (KMCN0058) 324116.69N/0833805.00W (3.73)

SEE ATTACHED AIRSPACE LETTER.

PER AFS-460, AFS-410 AND AFS-420, WAIVER FOR TCH GREATER THAN 60 FEET NOT REQUIRED.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 2300
15. TOWER (13-002058) 324116.00N/0832641.00W 987 (5D) 1000 2000
16. TERRAIN 324321.00N/0832454.00W 568 (600) AS1500 2100

VDP NOT ESTABLISHED, FINAL FACILITY DOES NOT HAVE DME.

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LOC STEPDOWN	YOLGU/MCN 2.90	RW05	10. TREE	323933.43N/0834109.56W	589 (2C)	250		840
	DME							

3. MISSED APPROACH	
MAP:	
ELEV:	

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

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

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

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MACON, GA	ELEVATION: 354 AIRPORT NAME: MIDDLE GEORGIA RGNL	I-MCN	ILS OR LOC/DME RWY 5, 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:
				DISTANCE:
		F A A		HOURS REMOTE OPERATION:
		A / C		
V H F / U H F / H F	LOCATION:			ADJUSTMENT:

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

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

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

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

10. WAIVERS:

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

PART C - REMARKS:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CARYS **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 323823.06N/0831849.76W **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	MACON	MCN	VORTAC	H	099.25	100.25	17.16	17.16		2100	17500
2	VIENNA	VNA	VORTAC	L	019.00	020.00		27.17		2100	17500
3	DUBLIN	DBN	VORTAC	L	285.68	280.68	24.94	24.94		2300	17500

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	DBN	VORTAC	285.68	105.68	R	1		2300	6000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (13-002058)	324116.00N/0832641.00W	987	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
MACON (FAC 1) AND VIENNA (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V154	1, 2				(US)
IAP	ILS OR LOC RWY 2			KDBN	DUBLIN	GA (US)
IAP	RNAV (GPS) RWY 28			KMAC	MACON	GA (US)
IAP	ILS OR LOC/DME RWY 5 (ALTERNATE MISSED APPROACH)	2, 3	1	KMCN	MACON	GA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. ADDED DBN VORTAC TO FIX MAKEUP (ATC REQUEST, ALTERNATE MISSED APPROACH).
2. ADDED HOLDING.
3. ADDED FAC 1 AND FAC 2 AS FACILITIES USED TO ESTABLISH FIX COORDINATES.
4. UPDATED FIX USE.
5. ADDED HOLDING LIMITED AND PRECIPITOUS TERRAIN EVALUATION.

DEVELOPED BY: **DATE:** 12/01/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (ROSS BARTO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL/MCN
OTHER:

QUALITY 9 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EHVEZ **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 323746.14N/0834404.84W **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	MACON	I-MCN	LOC		230.95	227.95		6.21	37731	2000	4800
2	MACON	MCN	VORTAC	H			5.77	5.77		2000	4800

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

REMARKS:
MACON (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 5	1, 2		KMCN	MACON	GA (US)
IAP	RNAV (GPS) RWY 5			KMCN	MACON	GA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. REVISED FIX COORDINATES, FIX MOVED 455 FT SOUTHWEST.
2. REMOVED FAC 3.
3. REVISED FAC 1 BEARING, ADDED DIST FROM FAC IN MILES AND FEET.
4. REVISED FAC 2 DME, ADDED DIST FROM FAC.
5. REMOVED HOLDING.
6. UPDATED FIX USE.
7. RAISED FAC 1 AND 2 MAA FROM 4500 TO 4800.

DEVELOPED BY: **DATE:** 11/30/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (ROSS BARTO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON, MCN ATCT
OTHER:

QUALITY CHECKED 9

RADIO FIX AND HOLDING DATA RECORD

NAME: IJBEW **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 323347.11N/0834917.11W **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	MACON	I-MCN	LOC		230.95	227.95		12.14		2100	4800
2	MACON	MCN	VORTAC	H			11.70	11.70		2100	17500
3	VIENNA	VNA	VORTAC	L	320.90	321.90		26.64		2100	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	SW	I-MCN	LOC	230.95	050.95	R	1		2100	4800	9	10
2	SW		WP	230.86	050.86	L		4	2100	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (13-000435)	323418.00N/0835558.00W	980	2E
2	200	TOWER (13-000435)	323418.00N/0835558.00W	980	2E

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
MACON (FAC 1) AND VIENNA (FAC 3) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 5	1, 2	1	KMCN	MACON	GA (US)
IAP	RNAV (GPS) RWY 23		2	KMCN	MACON	GA (US)
IAP	RNAV (GPS) RWY 5		2	KMCN	MACON	GA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
1. REVISED FIX COORDINATES, FIX MOVED 17.4 FT SOUTHEAST (AVNIS ADJUSTMENT).
2. REVISED FAC 1 BEARING FROM 227.96T TO 227.95T AND LOWERED MAA TO 4800.
3. ADDED FAC 1 AND FAC 3 AS BEING USED TO ESTABLISH FIX COORDINATES.
4. REVISED PAT 1 AND 2 CRS/BRG AND LOWERED PAT 1 MAX ALTITUDE AND TEMPLATE.
5. LOWERED PAT 2 MAX ALTITUDE AND TEMPLATE.
6. REMOVED DME FROM FAC 3 (DME FROM MCN VORTAC).
7. REVISED HOLDING PAT 2 CONTROLLING OBSTACLE.

DEVELOPED BY: **DATE:** 11/30/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (ROSS BARTO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON, MCN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MURVE **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 325621.79N/0832902.31W **TYPE:** INT, DME

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	MACON	MCN	VORTAC	H	028.00	029.00	17.00	17.00		2200	17500
2	DUBLIN	DBN	VORTAC	L	309.40	304.40		40.02		2200	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	MCN	VORTAC	028.00	208.00	R	1		2200	14000	10	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (13-001021)	325348.00N/0833205.00W	1139	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
MACON (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
RETAINED 265 KIAS HOLDING PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 10	1, 2	1	KMAC	MACON	GA (US)
IAP	VOR-A	1, 2	1	KMAC	MACON	GA (US)
IAP	ILS OR LOC/DME RWY 05	1, 2	1	KMCN	MACON	GA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. ADDED PRECIPITOUS TERRAIN EVALUATION.
2. MOVED HOLDING LIMITED TO HOLDING RESTRICTIONS.
3. ADDED FAC 1 AS BEING USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY: **DATE:** 11/30/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (ROSS BARTO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TECUS **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 323011.86N/0834556.56W **TYPE:** 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	VIENNA	VNA	VORTAC	L	320.90	321.90	22.08	22.08		2100	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 5	1	.	KMCN	MACON	GA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
1. ADDED DIST FROM FAC FOR FAC 1.
2. REVISED FIX USE TO CURRENT FORMAT.

DEVELOPED BY: **DATE:** 11/30/2011 **OFFICE:** AJV-351 **NAME:** DONALD SMITH (ROSS BARTO)

APPROVED BY: **DATE:** **OFFICE:** AJV-351 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: MCN APP CON, MCN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TOYOT **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 322655.34N/0835813.56W **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	MACON	I-MCN	LOC		230.95	227.95		22.34		3000	4800
2	MACON	MCN	VORTAC	H	227.55	228.55		21.90		3000	17500
3	VIENNA	VNA	VORTAC	L	299.48	300.48	27.88	27.88		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MCN	LOC	R-231	23	3000	4800

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

REMARKS:
VIENNA (FAC 3) AND MACON (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V243	2, 3				(US)
IAP	ILS OR LOC/DME RWY 5	1, 3		KMCN	MACON	GA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
1. REVISED FAC 1 AND 2 BEARING AND ADDED DIST FROM FAC.
2. ADDED DIST FROM FAC FOR FAC 3.
3. ADDED FAC 1 AND FAC 3 USED TO ESTABLISH FIX COORDINATES.
4. REVISED FIX USE.
5. ADDED ESV DATA.
6. RAISED FAC 1 MAA FROM 4500 TO 4800.

DEVELOPED BY: **DATE:** 11/30/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (ROSS BARTO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON, MCN ATCT
OTHER:

QUALITY CHECKED 9

RADIO FIX AND HOLDING DATA RECORD

NAME: YOLGU **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 323941.87N/0834133.33W **TYPE:** WP, DME

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

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	MACON	I-MCN	LOC		230.95	227.95		3.34		980	4500
2	MACON	MCN	VORTAC	H			2.90	2.90		980	4500

REMARKS:
MACON (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 5	1, 2		KMCN	MACON	GA (US)
IAP	RNAV (GPS) RWY 5			KMCN	MACON	GA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 12/01/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (ROSS BARTO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON, MCN ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MACON VORTAC **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 324128.26N/0833849.86W **TYPE:**

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

FIX MAKE-UP FACILITIES:

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	MCN	VORTAC	207.95	027.95	L	1		2000	6000	4	5
2	NW	MCN	VORTAC	314.00	134.00	R	1		2100	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (13-002148)	323525.00N/0834541.00W	947	2C
2	230	TOWER (13-002771)	324644.00N/0833829.00W	970	4D

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

INFO ONLY

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 2 BASED ON 230 KT FOR MILITARY AIRCRAFT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PNUTT (RNAV)			KATL	ATLANTA	GA (US)
DP	JUNPR (RNAV)			KAGS	AUGUSTA	GA (US)
DP	JUNPR (RNAV)			KAIK	AIKEN	SC (US)
EN ROUTE	J40					(US)
EN ROUTE	J45					(US)
EN ROUTE	V154					(US)
EN ROUTE	V323					(US)
EN ROUTE	V35					(US)
EN ROUTE	V362					(US)
EN ROUTE	V537					(US)
EN ROUTE	V56					(US)
IAP	ILS OR LOC RWY 9L			KATL	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 9R			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9L			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R (CAT II)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R (CAT III)			KATL	ATLANTA	GA (US)
IAP	ILS RWY 9R (CAT II)			KATL	ATLANTA	GA (US)
IAP	ILS RWY 9R (CAT III)			KATL	ATLANTA	GA (US)
IAP	RNAV (GPS) RWY 11			K48A	COCHRAN	GA (US)
IAP	ILS OR LOC RWY 2			KDBN	DUBLIN	GA (US)
IAP	RNAV (GPS) RWY 2			KDBN	DUBLIN	GA (US)
IAP	RNAV (GPS) RWY 20			KDBN	DUBLIN	GA (US)
IAP	LOC RWY 10			KMAC	MACON	GA (US)
IAP	VOR-A		1	KMAC	MACON	GA (US)
IAP	VOR/DME-B			KMAC	MACON	GA (US)
IAP	ILS OR LOC/DME RWY 5			KMCN	MACON	GA (US)
IAP	VOR RWY 13			KMCN	MACON	GA (US)
IAP	VOR RWY 23			KMCN	MACON	GA (US)
IAP	ILS OR LOC RWY 36			KPXE	PERRY	GA (US)
IAP	NDB RWY 36			KPXE	PERRY	GA (US)
IAP	VOR-A			KPXE	PERRY	GA (US)
IAP	NDB RWY 12			KOKZ	SANDERSVILLE	GA (US)
IAP	HI-ILS OR LOC RWY 15			KWRB	WARNER ROBINS	GA (US)
IAP	HI-ILS OR LOC RWY 33			KWRB	WARNER ROBINS	GA (US)
IAP	HI-VOR/DME OR TACAN RWY 15			KWRB	WARNER ROBINS	GA (US)
IAP	HI-VOR/DME OR TACAN RWY 33			KWRB	WARNER ROBINS	GA (US)
IAP	ILS OR LOC RWY 15			KWRB	WARNER ROBINS	GA (US)
IAP	ILS OR LOC RWY 33			KWRB	WARNER ROBINS	GA (US)
IAP	VOR RWY 15		2	KWRB	WARNER ROBINS	GA (US)
IAP	VOR/DME OR TACAN RWY 33			KWRB	WARNER ROBINS	GA (US)
IAP	VOR/DME Z RWY 33			KWRB	WARNER ROBINS	GA (US)
STAR	SINCA			KATL	ATLANTA	GA (US)
STAR	JRAMS (RNAV)			KFTY	ATLANTA	GA (US)
STAR	TRBOW			KFTY	ATLANTA	GA (US)

QUALITY CHECKED

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	JRAMS (RNAV)	K47A	CANTON	GA (US)
STAR	JRAMS (RNAV)	KVPC	CARTERSVILLE	GA (US)
STAR	TRBOW	KVPC	CARTERSVILLE	GA (US)
STAR	JRAMS (RNAV)	K9A1	COVINGTON	GA (US)
STAR	JRAMS (RNAV)	KPUJ	DALLAS	GA (US)
STAR	JRAMS (RNAV)	KLZU	LAWRENCEVILLE	GA (US)
STAR	TRBOW	KLZU	LAWRENCEVILLE	GA (US)
STAR	JRAMS (RNAV)	KMGE	MARIETTA	GA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
1. DP ADDED TO REQUIRED CHARTING.
2. FIX USE UPDATED.

DEVELOPED BY: **DATE:** 01/15/2011 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** 08/25/2011 **OFFICE:** AVN-110 **NAME:** DONALD SMITH

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON & MAIN ATC
OTHER:

INFO ONLY

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **MACON** STATE: **GA**

AIRPORT NAME: **MIDDLE GEORGIA RGNL** ID: **KMCN**

PROCEDURE: **ILS OR LOC/DME RWY 5** 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 **3.48**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **0.97**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **047.95**
4. High Terrain in **FINAL** segment containing 1000' point **493**
5. Distance from **THLD** to 1500' point **5.05**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.31**
7. True Course of **FINAL** segment containing 1500' point **047.95**
8. High Terrain in **FINAL** segment containing 1500' point **493**
9. Threshold Coordinates (if straight-in) ... **324109.67N** / **0833938.28W**
10. ARP Coordinates ..... **324134.26N** / **0833857.16W**
11. Runway Approach End and distance furthest from ARP.....RWY **5**
    Distance **0.71** NM
12. FAF Coordinates ..... **323746.14N** / **0834404.84W**
    (Click to Select)

REMARKS: Approach/Drawing attached.