

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> AUGUSTA RGNL AT BUSH FIELD	<u>AIRPORT ID</u> KAGS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> AUGUSTA	<u>STATE</u> GA
<u>AIRPORT ELEVATION</u> 146	<u>TDZE</u> 146	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 2D	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1990

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 082/30 CW 262/30	NOPT	CARDO	IF/IAF	2400
2. 262/30 CW 352/30		POGEE	IAF	3000
3. 352/30 CW 082/30		WASAP	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
POGEE	IAF	CARDO	NOPT	TF	FB	1.00	262.26	7.00	2400
WASAP	IAF	CARDO	NOPT	TF	FB	1.00	082.10	7.00	2400
CARDO	IF/IAF	HOGEM		TF	FB	1.00	172.18	6.94	1800
HOGEM	FAF	RW17	MAP	TF	FO	0.30	172.20	5.02	
RW17	MAP	351 MSL		CA			172.20		
351 MSL		HOMRU		DF	FO	1.00			2100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2100 DIRECT HOMRU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
22
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD N CARDO, RT, 172.18 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 172.20FAF: HOGEMDIST FAF TO MAP: 5.02DIST FAF TO THLD: 5.02
4. MIN ALT: CARDO 2400, HOGEM 1800
5. DIST TO THLD FROM OM:MM:IM:150 HAT:205 HAT: 0.47GS ANT:
6. MIN GP INCPT: 1800GP ALT AT FAF : HOGEM 1800OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 56.5
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

CHART R-3004
CHART CIRCLING ICON.
CHART VDP AT 1.51 NM TO RW17*
*LNAV ONLY
WAAS CHANNEL #77504
REFERENCE PATH ID: W17A
CHART FAS OBST: 393 TOWER 332704N/0815847W.
HOLD S, RT, 352.25 INBOUND
LTP HAE: 14 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	351	2400	205	351	2400	205	351	2400	205	351	2400	205			
LNAV/VNAV DA	460	2400	314	460	2400	314	460	2400	314	460	2400	314			
LNAV MDA	700	2400	554	700	2400	554	700	6000	554	700	6000	554			
CIRCLING	780	1	634	780	1	634	780	1 3/4	634	920	2 1/2	774			



CHANGES - REASONS

1. CHANGED TAA CONFIGURATION FROM Y DESIGN TO T DESIGN - FPT/ATC REQUEST
2. INITIAL SEGMENT IAF/CRS/DIST CHANGED FROM JAGOS/232.34/7.8 TO POGEE/262.26/7.00 - SUPPORTS NEW TAA T CONFIGURATION.
3. INITIAL SEGMENT IAF/CRS/DIST CHANGED FROM KEBKE/112.10/7.8 TO WASAP/082.10/7.00 - SUPPORTS NEW TAA T CONFIGURATION.
4. CHANGED MA CA ALTITUDE FROM 350 MSL TO 351 MSL - DA RAISED DUE TO MISSED APP PENETRATION.
5. CHANGED PROFILE LINE 5, HAT FROM 204 TO 205 - HAT RAISED DUE TO MISSED APP PENETRATION.
6. CHANGED PROFILE LINE 7, TCH FROM 55.9 TO 56.5 - NEW DESIGN TCH ESTABLISHED.
7. CHANGED CHART NOTE: FROM “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8°C OR ABOVE 54°C” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C OR ABOVE 54°C” - UPDATED 5-YEAR STUDY; IAW 8260.19H, 8-6-9S.
8. ADDED CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 - NEW VISCHECK EVALUATION.
9. CHANGED CHART NOTE: “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DANIEL FIELD ALTIMETER SETTING AND INCREASE ALL DA 55 FEET AND ALL MDA 60 FEET; INCREASE LNAV AND CIRCLING CATS C/D VISIBILITY 1/4 SM” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DANIEL FIELD ALTIMETER SETTING AND INCREASE ALL DA 55 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS VIS TO RVR 3500; INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM AND CIRCLING CATS C/D VISIBILITY 1/4 SM” AND MOVED TO 8260-9 PART C: GENERAL REMARKS - IAW 8260.19 8-6-9F(3), LOCAL ALTIMETER IS ON WMSCR.
10. DELETED CHART NOTE: “BARO-VNAV AND VDP NA WHEN USING DANIEL FIELD ALTIMETER SETTING” AND MOVED TO 8260-9 PART C: GENERAL REMARKS - IAW 8260.19 8-6-9F(3), LOCAL ALTIMETER IS ON WMSCR.
11. UPDATED CHART NOTE: FROM “FOR INOPERATIVE ALS WHEN USING DANIEL FIELD ALTIMETER SETTING, INCREASE LNAV CATS C/D VISIBILITY TO 1 3/4 SM” TO “FOR INOPERATIVE ALS WHEN USING DANIEL FIELD ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500, LNAV CATS C/D VISIBILITY TO 1 3/4 SM”AND MOVED TO 8260-9 PART C: GENERAL REMARKS - IAW 8260.19 8-6-9F(3), LOCAL ALTIMETER IS ON WMSCR; NEW INOP VISIBILITY TABLE USED.
12. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM “CHART VDP AT 1.52 NM TO RW17*” TO “CHART VDP AT 1.51 NM TO RW17*” - UPDATED TARGETS RESULTS.
13. DELETED “CHART AIRPORT AND TDZE 146” FROM ADDITIONAL FLIGHT DATA - ALREADY CHARTED.
14. DELETED ADDITIONAL FLIGHT DATA NOTE: 509 AAO 332755N/0820057W - NEW OBSTACLE EVALUATION.
15. INCREASED LPV DA/HAT ALL CATS FROM 350/204 TO 351/205 - NEW MISSED APPROACH PENETRATION.
16. DECREASED LNAV/VNAV DA/HAT ALL CATS FROM 518/372 TO 460/314 - NEW OBSTACLE EVALUATION.
17. FPAP LAT/LONG CHANGED FROM 332129.2200N/0815753.2800W TO 332129.2175N/0815753.2825W - NEW TARGETS EVALUATION.
18. FAS DATA CRC REMAINDER CHANGED FROM 71FE035B TO B30A22A3 - FPAP LAT/LONG AND TCH CHANGED.
19. CHANGED CIRCLING CAT D MDA/HAA FROM 900/754 TO 920/774 - NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: AGS ATCT, AGS APP/CON, AMGR, ZTL, ZJX

FLIGHT CHECKED BY

GEORGE E SEARLES

Digitally signed by
WARDELL HENNING

Oct 15, 2020

OFFICE

FICO

DATE

10/07/2020

DEVELOPED BY

WARDELL HENNING (PATRICK COMBS)

Digitally signed by
WARDELL HENNING

Oct 15, 2020

OFFICE

AJV-A432

DATE

02/28/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by
WARDELL HENNING

Oct 15, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAGS
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	332256.6025N
LTP/FTP LONGITUDE	0815815.0180W
LTP/FTP ELLIPSOIDAL HEIGHT	+00140
FPAP LATITUDE	332129.2175N
FPAP LONGITUDE	0815753.2825W
THRESHOLD CROSSING HEIGHT (TCH)	00056.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	B30A22A3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00441
FPAP ORTHOMETRIC HEIGHT	+00441