

**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 35	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> AUGUSTA	<u>STATE</u> GA
<u>AIRPORT ELEVATION</u> 146	<u>TDZE</u> 137	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 05/21/2020	<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. 292/30 CW 052/30	NOPT	HOMRU	IF/IAF	2100
2. 052/30 CW 172/30		ZOXOM	IAF	3000
3. 172/30 CW 292/30		YALRU	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZOXOM	IAF	HOMRU	NOPT	TF	FB	1.00	052.19	7.80	2100
YALRU	IAF	HOMRU	NOPT	TF	FB	1.00	292.33	7.80	2100
HOMRU	IF/IAF	WATEM		TF	FB	1.00	352.25	7.00	1700
WATEM	FAF	RW35	MAP	TF	FO	0.30	352.23	4.75	
RW35	MAP	387 MSL		CA			352.23		
387 MSL		CARDO		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2400 DIRECT CARDO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
22
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD S HOMRU, RT, 352.25 INBOUND, 2100 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 352.23FAF: WATEMDIST FAF TO MAP: 4.75DIST FAF TO THLD: 4.75

4. MIN ALT: HOMRU 2100, WATEM 1700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.62GS ANT:

6. MIN GP INCPT: 1700GP ALT AT FAF : WATEM 1700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 55.8

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}).

ADDITIONAL FLIGHT DATA:

CHART R-3004
CHART CIRCLING ICON.
CHART VDP AT 1.79 NM TO RW35*
*LNAV ONLY
WAAS CHANNEL #97303
REFERENCE PATH ID: W35A
FAS OBST: 520 AAO 331745N/0815745W.
HOLD N, RT, 172.18 INBOUND
LTP HAE: 10.5 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	387	2400	250	387	2400	250	387	2400	250	387	2400	250			
LNAV/VNAV DA	668	5500	531	668	5500	531	668	5500	531	668	5500	531			
LNAV MDA	780	2400	643	780	2400	643	780	1 3/8	643	780	1 3/8	643			
CIRCLING	780	1	634	780	1	634	780	1 7/8	634	920	2 1/2	774			



CHANGES - REASONS

1. CHANGED CHART NOTE: FROM “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8°C (18°F) OR ABOVE 43°C (109°F)” 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.
2. DELETED CHART NOTE: CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO 1 5/8 SM MILE - IAW 8260.3D TABLE 3-3-1.
3. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND REPLACED WITH PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H, 8-6-8 B(1).
4. CHANGED CHART NOTE: FROM “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, AND CIRCLING CATS C/D VISIBILITY 1/4 SM MILE, LNAV CATS C/D VISIBILITY 1/8 SM MILE” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DANIEL FIELD ALTIMETER SETTING AND INCREASE ALL DAS 55 FEET AND ALL MDAS 60 FEET; INCREASE LNAV/VNAV ALL CATS 1/4 SM, LNAV CATS C/D VISIBILITY 1/4 SM, CIRCLING CAT C VISIBILITY 1/8 SM AND CIRCLING CAT D VISIBILITY 1/4 SM” AND MOVED TO 8260-9 PART C GENERAL REMARKS - IAW 8260.19 8-6-9 F(3).
5. CHANGED CHART NOTE: FROM “FOR INOPERATIVE ALS WHEN USING DANIEL FIELD ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000, AND LNAV CATS C/D VISIBILITY TO 1 3/4 SM” TO “FOR INOPERATIVE ALS WHEN USING DANIEL FIELD ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV ALL CATS TO 1 3/4 SM AND LNAV CATS A/B TO 1 SM AND CATS C/D VISIBILITY TO 2 SM” AND MOVED TO 8260-9 PART C GENERAL REMARKS - IAW 8260.19 8-6-9 F(3).
6. MOVED CHART NOTE: “BARO-VNAV AND VDP NA WHEN USING DANIEL FIELD ALTIMETER SETTING” TO 8260-9 PART C GENERAL REMARKS - IAW 8260.19 8-6-9 F(3).
7. CHANGED CHART NOTE: FROM “CHART VDP AT 1.49 NM TO RW35” TO “CHART VDP AT 1.79 NM TO RW35* - UPDATED TARGETS EVALUATION.
8. INCORPORATED CHANGES FROM AMDT 2C - 8260.19H, 8-3-4C(2).
9. CHANGED LNAV MDA/HAT FROM 680/543 TO 780/643 - NEW CONTROLLING OBSTACLE.
10. CHANGED CIRCLING CAT D MDA/HAA FROM 900/754 TO 920/774 - NEW CONTROLLING OBSTACLE.
11. FPAP LAT/LONG CHANGED FROM 332306.5015N/0815817.4700W TO 332306.5010N/0815817.4695W - NEW TARGETS EVALUATION.
12. CRC REMAINDER CHANGED FROM E7BDB32F TO 7D9D6D7E - FPAP LAT/LONG CHANGED.
13. DELETED CHART NOTE: ASR - NO ASR APPROACHES PUBLISHED, IAW 8260.19 8-6-10 K.
14. ADDED "20:1 IS CLEAR" TO PROFILE LINE 7 - 20:1 PENETRATIONS DO NOT EXIST.
15. CHANGED ADDITIONAL FLIGHT DATA NOTE: FROM “CHART FAS OBST: 430 TOWER 331845N/0815754W” TO “FAS OBST: 520 AAO 331745N/0815745W” - LNAV FINAL OBS UPDATED TO AAO.

COORDINATED WITH:

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

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Oct 15, 2020

OFFICE

AJV-A432

DATE

02/21/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

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Oct 15, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAGS
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	332139.1140N
LTP/FTP LONGITUDE	0815755.7460W
LTP/FTP ELLIPSOIDAL HEIGHT	+00105
FPAP LATITUDE	332306.5010N
FPAP LONGITUDE	0815817.4695W
THRESHOLD CROSSING HEIGHT (TCH)	00055.8
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)	50.0
CRC REMAINDER	7D9D6D7E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00408
FPAP ORTHOMETRIC HEIGHT	+00408