

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> DOUGLAS MUNI	<u>AIRPORT ID</u> KDQH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> DOUGLAS	<u>STATE</u> GA	
<u>AIRPORT ELEVATION</u> 257	<u>TDZE</u> 257	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 12/11/2014	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 JULY 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 133/30 CW 313/30	NOPT	133/5 CW 313/5		2300
2. 133/5 CW 313/5		PAJTO	IF/IAF	2000
3. 313/30 CW 133/30		313/5 CW 133/5		2300
4. 313/5 CW 133/5		PAJTO	IF/IAF	2000

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
PAJTO	IF/IAF	IPWEF		TF	FB	1.00	223.33	6.85	1900
IPWEF	FAF	BOLSE/3.00 NM TO RW22		TF	FB	0.30	223.29	2.04	
BOLSE/3.00 NM TO RW22		RW22	MAP	TF	FO	0.30	223.29	3.00	
RW22	MAP	1200 MSL		CA			223.29		1200
1200 MSL		PAJTO		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 2000 DIRECT PAJTO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD NE PAJTO, RT, 223.33 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 223.29FAF: IPWEFDIST FAF TO MAP: 5.04DIST FAF TO THLD: 5.04
4. MIN ALT: PAJTO 2000, IPWEF 1900, BOLSE/3.00 NM TO RW22 1240*
5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.66
6. MIN GP INCPT: 1900GP ALT AT FAF : IPWEF 1900OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0
8. MSA FROM:

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C.

ADDITIONAL FLIGHT DATA:

CHART 791 TOWER 313118N/0824846W
CHART CIRCLING ICON.
CHART VDP AT 1.79 NM TO RW22*
*LNAV ONLY
WAAS CHANNEL #86725
REFERENCE PATH ID: W22A
CHART FAS OBST: 449 TOWER 313024N/0824912W.
LTP HAE: 50.7 M

MINIMUMS:

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

ALTERNATE: NA

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STANDARD - CAT D 1000-3

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	507	3/4	250	507	3/4	250	507	3/4	250	507	3/4	250			
LNAV/VNAV DA	567	7/8	310	567	7/8	310	567	7/8	310	567	7/8	310			
LNAV MDA	760	1	503	760	1	503	760	1 3/8	503	760	1 3/8	503			
CIRCLING	760	1	503	820	1	563	960	2	703	1160	3	903			



CHANGES - REASONS

1. REMOVED IFM VOR TO JOPUB, AYS VORTAC TO OVNAF, JOPUB TO PAJTO, AND OVNAF TO PAJTO SEGMENTS FROM TERMINAL ROUTES SECTION - FPT REQUEST PER IFPR.
2. CHANGED PAJTO TO IPWEF SEGMENT COURSE FROM 220.33 TO READ 223.33 IN TERMINAL ROUTES SECTION - KDQH AIRPORT 2020 MAG VAR 6W.
3. CHANGED IPWEF TO BOLSE SEGMENT COURSE FROM 220.29 TO READ 223.29 IN TERMINAL ROUTES SECTION - KDQH AIRPORT 2020 MAG VAR 6W.
4. CHANGED BOLSE TO RW22 AND RW22 TO 1200 SEGMENTS COURSE FROM 220.28 TO READ 223.29 IN TERMINAL ROUTES SECTION - KDQH AIRPORT 2020 MAG VAR 6W.
5. CHANGED CLIMB TO ALTITUDE FROM 1120 TO READ 1200 IN MISSED APPROACH SECTION - 8260.19H, CHAPTER 8, SECTION 8-6, PARAGRAPH 8-6-6B, PAGE 8-43 - OTHER ALTITUDES USED IN THE MISSED APPROACH SHOULD ALSO USE 100-FOOT INCREMENTS.
6. REMOVED FAS OBST 359 TREE FROM ADDITIONAL FLIGHT DATA SECTION - IPDS CALCULATION.
7. CHANGED 7:1 OBST HEIGHT FROM 792 TO READ 791 IN ADDITIONAL FLIGHT DATA SECTION - OAS OBSTACLE RECORD UPDATE.
8. CHANGED VDP DISTANCE FROM 1.80 TO READ 1.79 IN ADDITIONAL FLIGHT DATA SECTION - IPDS CALCULATION.
9. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA SECTION - 8260.19H, CHAPTER 8, SECTION 8-6, PARAGRAPH 8-6-10T, PAGE 8-70.
10. CHANGED MAG VAR FROM 3W TO READ 6W AND EPOCH YEAR FROM 1985 TO READ 2020 IN ADDITIONAL FLIGHT DATA SECTION - KDQH AIRPORT 2020 MAG VAR 6W.
11. CHANGED HIL INBOUND COURSE FROM 220.33 TO READ 223.33 ON LINE 2 - KDQH AIRPORT 2020 MAG VAR 6W.
12. CHANGED FAC FROM 220.29 TO READ 223.29 ON LINE 3 - KDQH AIRPORT 2020 MAG VAR 6W.
13. ADDED 20:1 IS CLEAR - 8260.19H, CHAPTER 8, SECTION 8-6, PARAGRAPH 8-6-7G(3), PAGE 8-54 - FOR RNAV PROCEDURES, STATE WHETHER THE 34:1 AND 20:1 OBSTACLE ASSESSMENT SURFACES ARE CLEAR OR NOT.
14. REMOVED MSA AND ADDED TAA - FPT REQUEST PER IFPR.
15. CHANGED LPV DA/VIS ALL CATS FROM 506/ 7/8 TO READ 507/ 3/4 IN MINIMUMS SECTION - 8260.3C, CHAPTER 3, SECTION 3-2, PARAGRAPH 3-2-1C - DA/MDA CALCULATED USING TDZE AND NOT THRE.
16. CHANGED LNAV/VNAV DA/VIS/HAT ALL CATS FROM 657/ 1 3/8 / 401 TO READ 567/ 7/8 / 310 IN MINIMUMS SECTION - NEW CONTROLLING OBSTACLE FOR LNAV/VNAV SEGMENT/VISCHECK CALCULATION.
17. CHANGED LNAV HAT ALL CATS FROM 504 TO READ 503 IN MINIMUMS SECTION - VISCHECK CALCULATION.
18. CHANGED CIRCLING CAT B CMDA/HAA FROM 760/503 TO READ 820/563, CIRCLING CAT C CMDA/VIS/HAA FROM 800/ 1 1/2 /543 TO READ 960/2/703, AND CIRCLING CAT D CMDA/VIS/HAA FROM 8209/2/563 TO READ 1160/3/903 IN MINIMUMS SECTION - 8260.3C, CHAPTER 2, SECTION 2-7, FORMULAS 2-7-1 AND 2-7-2, PAGE 2-59 - NEW CIRCLING APPROACH RADIUS CALCULATIONS.
19. MOVED BARO/VNAV NA AND WHEN LOCAL ALTIMETER NOT RECEIVED CHART NOTES FROM NOTES SECTION TO 8260-9 REMARKS SECTION - 8260.19H, CHAPTER 8, SECTION 8-6, PARAGRAPH 8-6-9F(3), PAGE 8-60 - PRIMARY ALTIMETER SOURCES TRANSMITS ON WMSCR - CONTINGENCY NOTES CONSOLIDATED IN 8260-9 REMARKS SECTION.
20. CHANGED UNCOMPENSATED BARO-VNAV SYSTEMS CHART NOTE UPPER TEMPERATURE LIMITS FROM 42C (107F) TO READ 54C (130F) IN NOTES SECTION - LOW/HIGH TEMPERATURE LIMIT CALCULATOR CALCULATION.
21. REMOVED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA FROM NOTES SECTION - 34:1 PENETRATIONS FALL OUTSIDE THE CAT A/B VISUAL SURFACE AREA.
22. CHANGED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT TO READ CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) IN NOTES SECTION - 8260.19H, CHAPTER 8, SECTION 8-6, PARAGRAPH 8-6-9M(1), PAGE 8-63 - WHERE PRECISION/APV APPROACH (ILS, OR RNAV) GLIDEPATH ANGLES AND/OR TCH VALUES ARE NOT COINCIDENT WITH PUBLISHED VGSI VALUES, USE CHART PROFILE NOTE: VGSI AND (ILS/RNAV AS APPROPRIATE) GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
23. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON IFM VOR AIRWAY RADIALS 360 CW 083 AND FOR ARRIVAL ON AYS VORTAC AIRWAY RADIALS 320 CW 009 FROM NOTES SECTION - FPT REQUEST PER IFPR.
24. ADDED HIGHER THAN STANDARDS MINIMUMS NOTE @ CAT D 1000-3 TO NOTES SECTION - 8260.19H, CHAPTER 8, SECTION 8-6, PARAGRAPH 8-6-11B(6), PAGE 8-71.
25. CHANGED THRE: 256 TO READ TDZE: 257 IN AIRPORT NAME BLOCK - 8260.3C, CHAPTER 3, SECTION 3-2, PARAGRAPH 3-2-1C - DA/MDA CALCULATED USING TDZE AND NOT THRE.
26. CHANGED FPAP LATITUDE FROM 312748.8200N TO READ 312748.8190N, FPAP LONGITUDE FROM 0825220.1400W TO READ 0825220.1445W, AND CRC REMAINDER FROM 94A3CAEB TO READ DEEEF7E4 IN FAS DATA BLOCK - SIAP CALCULATION.
27. ADDED RNP APCH TO CHART PBN EQUIPMENT REQUIREMENTS NOTES SECTION - 8260.19H, CHAPTER 8, SECTION 8-6, PARAGRAPH 8-6-8B(1), PAGE 8-57.
28. REMOVED CHART NOTE: DME/DME RNP-0.3 NA FROM NOTES SECTION - ENTRY IS NO LONGER REQUIRED.

03/07/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/24/17.

1. TRANSFERRED ALL INFORMATION ONTO NEW 19H FORMS FROM LEGACY FORMS.
2. ADDED RNP APCH TO PBN EQUIPMENT REQUIREMENTS NOTES SECTION.
3. REMOVED CHART NOTE: DME/DME RNP-0.3 NA FROM NOTES SECTION.



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<u>COORDINATED WITH:</u>					
A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZJX, AMGR					
<u>FLIGHT CHECKED BY</u> DONALD ALOYSIUS MCGOUGH		<u>OFFICE</u> FIOG	<u>DATE</u> 01/16/2018	Digitally signed by JULIE A MORGAN Mar 21, 2018	
<u>DEVELOPED BY</u> MICHAEL R. GARRITY JR.		<u>OFFICE</u> AJV-5423	<u>DATE</u> 10/24/2017	Digitally signed by MICHAEL GARRITY Mar 15, 2018	
<u>APPROVED BY</u> JULIE MORGAN	Digitally signed by JULIE A MORGAN Mar 21, 2018	<u>OFFICE</u> AJV-5420	<u>DATE</u>	<u>TITLE</u> MANAGER	



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDQH
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	312859.8915N
LTP/FTP LONGITUDE	0825117.0720W
LTP/FTP ELLIPSOIDAL HEIGHT	+00507
FPAP LATITUDE	312748.8190N
FPAP LONGITUDE	0825220.1445W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	DEEEF7E4
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00780
FPAP ORTHOMETRIC HEIGHT	+00780

