

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 ID</u> KCSG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> COLUMBUS	<u>STATE</u> GA		
<u>AIRPORT ELEVATION</u> 398	<u>TDZE</u> 391	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 08/12/2021	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<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. 146/30 CW 326/30	NOPT	146/10 CW 326/10		3500
2. 146/10 CW 326/10		SHEER	IF/IAF	3000
3. 326/30 CW 056/30		326/10 CW 056/10		3500
4. 326/10 CW 056/10		SHEER	IF/IAF	3000
5. 056/30 CW 146/30		DODTA	IAF	3000

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>
DODTA	IAF	SHEER	NOPT	TF	FB	1.00	145.91	6.80	3000
SHEER	IF/IAF	HODOE		TF	FB	1.00	235.95	6.91	2300
HODOE	FAF	RW24	MAP	TF	FO	0.30	235.89	5.09	
RW24	MAP	729 MSL		CA			235.89		
729 MSL		DOCEG		DF	FO	1.00			2500

QUALITY
16
CHECKED

MISSED APPROACH**MAP:**

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT DOCEG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:**PROFILE:**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD NE SHEER, RT, 235.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 235.89 FAF: HODOE DIST FAF TO MAP: 5.09 DIST FAF TO THLD: 5.09

4. MIN ALT: SHEER 3000, HODOE 2300

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 338 HAT: 0.76 GS ANT:

6. MIN GP INCPT: 2300 GP ALT AT PFAF : HODOE 2300 OM: MM: IM:

7. GP ANGLE: 3.42 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 60.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 13 AND 31 NA AT NIGHT.
CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4°C OR ABOVE 53°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART AIRPORT ELEVATION 398.
HOLD SW, RT, 055.74 INBOUND.
FAS OBST: 760 AAO 323426N/0845155W.
869 AAO 323545N/0845145W.
CHART R-3002.
CHART VDP AT 1.83 NM TO RW24.
WAAS CHANNEL # 45501
REFERENCE PATH ID: W24A
CHART CIRCLING ICON.
LTP HAE: 91.8 M



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 1000-3

<u>CATEGORY:</u>	A			B			C			D			E		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	729	1	338	729	1	338	729	1	338	729	1	338			
LNAV/VNAV DA	872	1 3/8	481	872	1 3/8	481	872	1 3/8	481	872	1 3/8	481			
LNAV MDA	1020	1	629	1020	1	629	1020	1 3/4	629	1020	1 3/4	629			
CIRCLING	1020	1	622	1020	1	622	1140	2 1/4	742	1300	3	902			



CHANGES - REASONS

1. REMOVED MSA FROM RW24 3500 FROM PROFILE LINE 8 AND ADDED TAA TO PROCEDURE - 8260.19I 8-6-3, PER AIR TRAFFIC/IFP CHECKLIST REQUEST.
2. TERMINAL ROUTES: REMOVED CSG VORTAC FEEDER - CSG VORTAC VOR MON PROGRAM.
3. TERMINAL ROUTES: REMOVED LANGA FEEDER, CANER AND TALBO INITIALS - PER AIR TRAFFIC/IFP CHECKLIST REQUEST.
4. TERMINAL ROUTES: CHANGED DODTA TO SHEER COURSE FROM 145.92 TO 145.91 AND DISTANCE FROM 5.00 NM TO 6.80 - IAF RELOCATED PER AIR TRAFFIC/IFP CHECKLIST REQUEST.
5. TERMINAL ROUTES: CHANGED SHEER TO HODOE DISTANCE FROM 6.26 NM TO 6.91 - PROCEDURE REDESIGN, FAF RELOCATED BASED ON GPA/TCH CALCULATION.
6. TERMINAL ROUTES: CHANGED HODOE TO RW24 COURSE FROM 235.90 TO 235.89 AND DISTANCE FROM 5.74 NM TO 5.09 NM - PROCEDURE REDESIGN, FAF RELOCATED BASED ON GPA/TCH CALCULATION.
7. TERMINAL ROUTES: CHANGED CA LEG MSL FROM 740 FT TO 729 FT - BASED ON LPV DA.
8. PROFILE LINE 3: UPDATED FAC FROM 235.90 TO 235.89 - PROCEDURE REDESIGN, FAF RELOCATED BASED ON GPA/TCH CALCULATION.
9. PROFILE LINE 3: CHANGED DIST FAF TO MAP AND DIST FAF TO THLD FROM 5.74 NM TO 5.09 NM - PROCEDURE REDESIGN, FAF RELOCATED BASED ON GPA/TCH CALCULATION.
10. PROFILE LINE 7: CHANGED GPA ANGLE FROM 3.00 TO 3.42 AND TCH FROM 50.0 TO 60.0 - PROCEDURE REDESIGN PER AIR TRAFFIC/IFP CHECKLIST REQUEST IN ORDER TO ELIMINATE LPV AND LNAV/VNAV VGS PENETRATIONS.
11. PROFILE LINE 7: ADDED 20:1 IS NOT CLEAR - PENETRATIONS EXIST.
12. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH-GPS" - PER 8260.19I PARA 8-6-8 B(2).
13. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C (-2°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4°C OR ABOVE 53°C" - PER UPDATED 5-YEAR WEATHER HISTORY CALCULATION, IAW 8260.19I, 8-6-9 (R).
14. REMOVED "CHART PLANVIEW NOTE PROCEDURE NA FOR ARRIVALS AT CSG VORTAC ON V321 NORTHWEST BOUND" - CSG VORTAC FEEDER REMOVED FROM PROCEDURE PER VOR MON PROGRAM.
15. CHANGED CHART NOTE: FROM "CIRCLING RWY 13, 31 NA AT NIGHT" TO "CIRCLING TO RWY 13, 31 AND 24 NA AT NIGHT" - 20:1 PENETRATIONS EXIST.
16. ADDED CHART NOTE: RWY 24 STRAIGHT-IN MINIMUMS NA AT NIGHT - 20:1 PENETRATIONS EXIST.
17. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART FAS OBST: 689 TREE 323442N/0845148W, 532 SPIRE 323201N/0845459W" TO "FAS OBST: 760 AAO 323426N/0845155W" - NEW CONTROLLING OBSTACLE.
18. ADDED 7:1 EXCLUDED OBSTACLE "869 AAO 323545N/0845145W" - NEW TERRAIN EVALUATION.
19. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - IAW 8260.19I, 8-6-10S.
20. UPDATED LPV MINIMUMS ALL CATS DA/HAT FROM 740/349 TO 729/338 - NEW CONTROLLING OBSTACLE.
21. UPDATED LPV ALL CATS VISIBILITY FROM 1 1/8 SM TO 1 SM - PER UPDATED 8260.3E VIS TABLES.
22. UPDATED LNAV/VNAV MINIMUMS ALL CATS DA/HAT FROM 920/529 TO 872/481 - NEW CONTROLLING OBSTACLE.
23. UPDATED LNAV/VNAV ALL CATS VISIBILITY FROM 1 3/4 SM TO 1 3/8 SM - PER UPDATED 8260.3E VIS TABLES.
24. UPDATED LNAV MINIMUMS ALL CATS MDA/HAT FROM 940/549 TO 1020/629 - NEW CONTROLLING OBSTACLE.
25. UPDATED LNAV CAT C AND D VISIBILITY FROM 1 5/8 SM TO 1 3/4 SM - PER UPDATED 8260.3E VIS TABLES.
26. UPDATED CIRCLING MINIMUMS CAT A AND B MDA/HAT FROM 940/543 TO 1020/623 - MATCH STRAIGHT-IN MINIMUMS.
27. CHANGES FROM P-NOTAMS FOR AMDTS ORIG-A, ORIG-C AND ORIG-D INCORPORATED INTO FORM - REQUIRED IAW 8260.19I PARA 8-3-4C(3).
28. FAS DATA: THRESHOLD CROSSING HEIGHT (TCH) CHANGED FROM 50.0 TO 60.0 AND GLIDEPATH ANGLE (GPA) CHANGED FROM 3.00 TO 3.42 - PROCEDURE REDESIGN PER AIR TRAFFIC/IFP CHECKLIST REQUEST IN ORDER TO ELIMINATE LPV AND LNAV/VNAV VGS PENETRATIONS.
29. FAS DATA: CHANGED CRC REMAINDER FROM D2DFC73E TO 080630F4 - FPAP COORDINATES CHANGED FROM 323028.3700N/0845702.2500W TO 323028.3670N/0845702.2485W.
30. ADDED MAX HOLD-IN-LIEU ALTITUDE OF 6000 TO PROFILE LINE 2 - 8260.19I, 8-6-7, B(2).

10/17/2022: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/15/2022.

PROFILE LINE 5: ADDED "338 HAT: 0.76".

CHANGED CHART NOTE: FROM "CIRCLING TO RWY 13, 31 AND 24 NA AT NIGHT" TO "CIRCLING RWY 13, 31 AND 24 NA AT NIGHT".

ADDITIONAL FLIGHT DATA: ADDED "CHART AIRPORT ELEVATION 398".

CIRCLING CAT A/B HAA CHANGED FROM 623 TO 622, CAT C HAA CHANGED FROM 743 TO 742 AND CAT D HAA CHANGED FROM 903 TO 902.

01/03/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/15/2022.

PROFILE LINE 2: CHANGED FROM "HOLD NE SHEER, RT, 235.95 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 6000" TO "HOLD NE SHEER, RT, 235.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000".

PROFILE LINE 7: CHANGED 20:1 FROM "IS NOT CLEAR" TO "IS CLEAR".

CHANGED CHART NOTE FROM "CIRCLING RWY 13, 31 AND 24 NA AT NIGHT" TO "CIRCLING RWY 13 AND 31 NA AT NIGHT".

CHANGED CHART NOTE FROM "RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED".

REMOVED CHART NOTE "RWY 24 STRAIGHT-IN MINIMUMS NA AT NIGHT".

ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.83 NM TO RW24".



AIRPORT ID
KCSG

PROCEDURE NAME
RNAV (GPS) RWY 24

ORIGINAL/AMENDMENT
1

CITY
COLUMBUS

STATE
GA

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZTL, ATL APP CON, AMGR

FLIGHT CHECKED BY
JEREMY CURTIS LEIGHTON

Digitally signed by
CASIMIR L TABAKA
Jan 04, 2023

OFFICE
FIOG

DATE
12/28/2022

DEVELOPED BY
CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by
CASIMIR L TABAKA
Jan 04, 2023

OFFICE
AJV-A432

DATE
07/15/2022

APPROVED BY
JOHNNIE BAKER

Digitally signed by
CASIMIR L TABAKA
Jan 04, 2023

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	KCSG
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	323121.0430N
LTP/FTP LONGITUDE	0845537.1720W
LTP/FTP ELLIPSOIDAL HEIGHT	+00918
FPAP LATITUDE	323028.3670N
FPAP LONGITUDE	0845702.2485W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.42
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	080630F4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01192
FPAP ORTHOMETRIC HEIGHT	+01192

