

**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.

AIRPORT ID LCK	PROCEDURE NAME RNAV (GPS) RWY 5R	ORIGINAL/AMENDMENT 1E	CITY COLUMBUS	STATE OH
AIRPORT ELEVATION 744	TDZE 736	SUPERSEDED RNAV (GPS) RWY 5R	DATED 09/09/2021	MAG VAR 7W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 11 JULY 2024	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2010
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TARTO		OYOVU		TF	FB	1.00	278.48	17.80	3000
OYOVU	IAF	YERKU	NOPT	TF	FB	1.00	322.38	8.72	3000
GAILL	IAF	YERKU	NOPT	TF	FB	1.00	082.58	13.11	3000
YERKU	IF/IAF	FOGEB		TF	FB	1.00	052.17	7.89	2500
FOGEB	FAF	YABUC/1.60 NM TO RW05R		TF	FB	0.30	052.25	3.77	
YABUC/1.60 NM TO RW05R		RW05R	MAP	TF	FO	0.30	052.25	1.60	
RW05R	MAP	1500 MSL		CA			052.25		1500
1500 MSL		XUB VOR		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT XUB VOR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW YERKU, RT, 052.17 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 052.25 **FAF:** FOGEB **DIST FAF TO MAP:** 5.37 **DIST FAF TO THLD:** 5.37
- MIN ALT:** YERKU 3000, FOGEB 2500, YABUC/1.60 NM TO RW05R 1220
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.46 **GS ANT:**
- MIN GP INCPT:** 2500 **GP ALT AT PFAF:** FOGEB 2500 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 53.9
- MSA FROM:** RW05R 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 5L-23R.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING JOHN GLENN COLUMBUS INTL ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GAILL ON V19 SOUTHWEST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOHN GLENN COLUMBUS INTL ALTIMETER SETTING: INCREASE LPV DA TO 971 FEET; INCREASE LNAV/VNAV DA TO 1138 FEET AND VISIBILITY TO RVR 4000 ALL CATS; INCREASE ALL MDAS 40 FEET AND LNAV CATS C/D VISIBILITY TO RVR 4000 AND CIRCLING CAT D VISIBILITY TO 2 1/4 SM.
 CHART NOTE: FOR INOPERATIVE ALS WHEN USING JOHN GLENN COLUMBUS INTL ALTIMETER SETTING, INCREASE LNAV/VNAV VISIBILITY TO RVR 6000, ALL CATS.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 176.00 INBOUND.
 CHART FAS OBST: 846 TREE (39-077242) 394756N/0825600W.
 980 AAO 394455N/0830244W.
 CHART VDP AT 1.00 NM TO RW05R.
 WAAS CHANNEL # 78410
 REFERENCE PATH ID: W05A
 LTP HAE: 189.9 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - 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	936	1800	200	936	1800	200	936	1800	200	936	1800	200				
LNAV/VNAV DA	1103	3500	367	1103	3500	367	1103	3500	367	1103	3500	367				
LNAV MDA	1120	2400	384	1120	2400	384	1120	3500	384	1120	3500	384				
CIRCLING	1240	1	496	1240	1	496	1280	1 1/2	536	1400	2	656				



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAMS FOR AMENDMENTS 1A – 1D INTO FORM – IAW 8260-19I 8-3-4.C (3).
2. UPDATED MAGVAR FROM 5W/1985 TO 7W/2010 - KLCK MAGVAR PREVIOUSLY UPDATED BUT COURSES NOT UPDATED; NO GROUND TRACK CHANGE AND CORRECTED DOCUMENTATION IAW 8260.19I 8-3-4.B(12).
3. ALL COURSES, EXCEPT MA HOLDING, INCREASED BY 2 DEGREES. – KLCK AIRPORT MAGVAR UPDATED FROM 5W TO 7W.
4. TERMINAL ROUTES: UPDATED YABUC TO RWY05R AND RWY05R TO 1500 MSL COURSES FROM 050.28 TO 052.25 - UPDATED MAGVAR AND NEW TARGETS CALCULATION; NO ASSOCIATED GROUND TRACK CHANGE, IAW 8260.58C 3-2-2 AND 3-5-2.
5. PROFILE LINE 2: ADDED MAX HOLDING 6000 - IAW AAO 8260.19I, 8-6-7B(2).
6. PROFILE LINE 4: REMOVED THE ASTRISK FROM 1220 - NO LONGER REQUIRED, IAW 8260.19I, 8-6-7.D.
7. PROFILE LINE 5: MOVED "DISTANCE TO THLD FROM 200 HAT: 0.46 NM" FROM ADDITIONAL FLIGHT DATA TO PROFILE LINE 5 - IAW 8260.19I, 8-6-7.E(3).
8. PROFILE LINE 7: ADDED "20:1 IS CLEAR"- IAW 8260.19I, 8-6-7.G.(3).
9. PBN REQUIREMENT NOTES: CHANGED "RNP APCH" TO "RNP APCH – GPS" - IAW 8260.19I, 8-6-8.A.
10. NOTES: UPDATED "CHART NOTE: CIRCLING NA NORTHWEST OF RWY 5L-23R" TO "CHART NOTE: CIRCLING NA NW OF RWY 5L-23R" - 8260.19I, 8-6-11, O. (G).
11. NOTES: REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TARTO ON V493 SOUTHBOUND." – AIRWAY CANCELLED DUE TO CVG VORTAC DECOMMISSIONING PER VOR MON PROGRAM.
12. NOTES: COMBINED "VDP NA WHEN USING JOHN GLENN COLUMBUS INTL ALTIMETER" AND "BARO-VNAV NA WHEN USING JOHN GLENN COLUMBUS INTL ALTIMETER" – UPDATED DOCUMENT FORMAT, 8260.19.8-6-9.3(9)
13. ADDITIONAL FLIGHT DATA: DELETED "*LNAV ONLY" - NO LONGER REQUIRED, IAW 8260.19I, 8-6-7.D.
14. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "830 APRON LIGHT 394828N/0825656W" TO "846 TREE (39-077242) 394756N/0825600W" – UPDATED AIRPORT SURVEY.
15. FAS DATA BLOCK: CRC REMAINDER CHANGED FROM "BCE94CEF" TO "E6A63D85" - LTP/FTP LAT/LONG CHANGED FROM "394803.8360N/0825631.1195W" TO "394803.8340N/0825631.1250W", FPAP LAT/LONG CHANGED FROM "394927.9500N/0825440.8800W" TO "394927.9540N/0825440.8665W", AND LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+02239" TO "+02240" – NEW AIRPORT SURVEY DATED 4/26/2022.
16. NOTES: UPDATED "CHART NOTE: CIRCLING NA NORTHWEST OF RWY 5L-23R" TO "CHART NOTE: CIRCLING NA NW OF RWY 5L-23R" - 8260.19I, 8-6-11, O. (G).

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZID, CMH APP CON, LCK ATCT, AMGR

FLIGHT CHECKED BY SCOTT WIEBE	<i>Digitally signed by</i> DAVID DANNER Mar 29, 2024	OFFICE FPO	DATE 03/28/2024
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DEVELOPED BY DAVID DANNER (WALKER R. MILLIGAN)	<i>Digitally signed by</i> DAVID DANNER Mar 29, 2024	OFFICE AJV-A421	DATE 10/13/2023
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APPROVED BY DAVID DANNER	<i>Digitally signed by</i> DAVID DANNER Mar 29, 2024	OFFICE AJV-A421	DATE 05/16/2024	TITLE MANAGER
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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLCK
RUNWAY	RW05R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	394803.8340N
LTP/FTP LONGITUDE	0825631.1250W
LTP/FTP ELLIPSOIDAL HEIGHT	+01899
FPAP LATITUDE	394927.9540N
FPAP LONGITUDE	0825440.8665W
THRESHOLD CROSSING HEIGHT (TCH)	00053.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER E6A63D85

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02240
FPAP ORTHOMETRIC HEIGHT	+02240

