

**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 23L	ORIGINAL/AMENDMENT ORIG-C	CITY COLUMBUS	STATE OH
AIRPORT ELEVATION 744	TDZE 740	SUPERSEDED RNAV (GPS) RWY 23L	DATED 09/09/2021	MAG VAR 7W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
VADUY		UCECU		TF	FB	1.00	280.34	2.78	3000
UCECU	IAF	ZAVTA	NOPT	TF	FB	1.00	322.48	5.00	3000
TIYOY	IAF	ZAVTA	NOPT	TF	FB	1.00	142.37	5.95	3000
ZAVTA	IF/IAF	COYAN		TF	FB	1.00	232.43	6.02	2400
COYAN	FAF	VUTUY/1.60 NM TO RW23L		TF	FB	0.30	232.37	3.37	
VUTUY/1.60 NM TO RW23L		RW23L	MAP	TF	FO	0.30	232.37	1.60	
RW23L	MAP	940 MSL		CA			232.37		
940 MSL		YERKU		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW23L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT YERKU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE ZAVTA, RT, 232.43 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 232.37 **FAF:** COYAN **DIST FAF TO MAP:** 4.97 **DIST FAF TO THLD:** 4.97
- MIN ALT:** ZAVTA 3000, COYAN 2400, VUTUY/1.60 NM TO RW23L 1280
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.45 **GS ANT:**
- MIN GP INCPT:** 2400 **GP ALT AT PFAF:** COYAN 2400 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.04 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 55.0
- MSA FROM:** RW23L 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART NOTE: CIRCLING NA NW OF RWY 5L-23R.
 CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING JOHN GLENN COLUMBUS INTL ALTIMETER SETTING).
 CHART NOTE: BARO-VNAV NA WHEN USING JOHN GLENN COLUMBUS INTL ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TIYOY ON V5 SOUTHWEST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOHN GLENN COLUMBUS INTL ALTIMETER SETTING: INCREASE LPV DA TO 975 FEET; INCREASE LNAV/VNAV DA TO 1157 FEET AND ALL VISIBILITIES TO RVR 4000; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CATS C/D TO RVR 5000 AND CIRCLING CAT D TO 2 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 052.17 INBOUND.
 CHART FAS OBST: 856 TREE (39-077316) 395005N/0825248W.
 WAAS CHANNEL # 62811
 REFERENCE PATH ID: W23A
 LTP HAE: 191.3 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*	940	2400	200	940	2400	200	940	2400	200	940	2400	200			
LNAV/VNAV DA	1122	3500	382	1122	3500	382	1122	3500	382	1122	3500	382			
LNAV MDA	1180	2400	440	1180	2400	440	1180	4000	440	1180	4000	440			
CIRCLING	1240	1	496	1240	1	496	1280	1 1/2	536	1400	2	656			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAMS FOR ORIG-A, AND ORIG-B INTO FORM – IAW 8260.19I 8-3-4.C (3).
2. UPDATED MAGVAR FROM 5W/1985 TO 7W/2010 - KLCK MAGVAR UPDATED FROM 5W-1985 TO 7W/2010; NO GROUND TRACK CHANGE AND CORRECTED DOCUMENTATION IAW 8260.19I 8-3-4.B(12).
3. AIRPORT ELEVATION CHANGE FROM "740" TO "744" – CHARTING ERROR FROM PREVIOUS ORIG-B P-NOTAM.
4. ALL COURSES INCREASED BY 2 DEGREES - KLCK AIRPORT MAGVAR CORRECTED FROM 5W TO 7W.
5. TERMINAL ROUTES: ADDED CA LEG "RW23L TO 940 MSL" LINE - CA LEG ADDED IAW 8260.58B, 3-5-2.
6. PROFILE LINE 2: ADDED MAX 6000 - IAW 8260.19I, 8-6-7B(2)..
7. PROFILE LINE 4: REMOVED ASTERISK FROM "VUTUY/1.60 NM TO RW23L 1280" - NO LONGER REQUIRED PER CURRENT CRITERIA.
8. PROFILE LINE 5: ADDED "DIST TO THLD FROM 200 HAT: 0.45" – MOVED FROM ADDITIONAL FLIGHT DATA IAW 8260.19I, 8-6-7.E(3)
9. PROFILE LINE 7: ADDED "20:1 IS CLEAR" - IAW 8260.19I 8-6-7.G.(3).
10. PROFILE LINE 7: CHANGED GP ANGLE FROM "3.00" TO "3.04" - CALCULATED ANGLE CHANGE IAW 8260.19I 8-6-7.G.
11. PBN REQUIREMENT NOTES: ADDED "RNP APCH – GPS" - IAW 8260.19I, 8-6-8.A.
12. NOTES: UPDATED NOTE FROM "BARO-VNAV NA WHEN USING PORT COLUMBUS INTL ALTIMETER SETTING." TO "BARO-VNAV NA WHEN USING JOHN GLENN COLUMBUS INTL ALTIMETER SETTING." – UPDATED AIRPORT NAME CHANGE, IAW 8260.19I 8-6-9.R.
13. NOTES: REMOVED "LNAV ONLY"– IAW 8260.19I, 8-6-10. M.
14. NOTES: UPDATED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 47°C (116°F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C."- FAHRENHEIT VALUES NO LONGER REQUIRED, TEMPERATURES UPDATED IAW 8260.19I, 8-6-9.R. AND 8260.58C 3-3-4.A.(1).
15. NOTES: UPDATED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT." TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})." - 8260.19I, 8-6-9M(1).
16. NOTES: REMOVED DME/DME RNP-0.3 NA FROM NOTES - NO LONGER REQUIRED PER FAAO 8260.19I, 1-1-5F(18)
17. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST, FROM "890 TOWER 395058N/0825407W, 846 TREE 395002N/0825344W" TO "856 TREE (39-077316) 395005N/0825248W" – NEW AIRPORT SURVEY.
18. FAS DATA BLOCK: CRC REMAINDER CHANGED FROM "E8470D0B" TO "DBCEDBC1" - LTP/FTP LAT/LONG CHANGED FROM "394927.9500N/0825440.8800W" TO "394927.9525N/0825440.8685W", FPAP LAT/LONG CHANGED FROM "394759.9000N/0825636.2900W" TO "394803.8325N/0825631.1270W", COURSE WIDTH AT THRESHOLD FROM "109" TO "106.75", LENGTH OFFSET FROM "0176" TO "0000", AND GLIDEPATH ANGLE (GPA) FROM "03.00" TO "03.04". - NEW AIRPORT SURVEY DATED 4/26/2022.
19. NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TIYOY ON V5 SOUTHWEST BOUND" - IAW 8260.19I 8-2-5G(2).

COORDINATED WITH:

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

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by
DAVID DANNER
Mar 29, 2024

OFFICE

FPO

DATE

03/28/2024

DEVELOPED BY

DAVID DANNER (WALKER R. MILLIGAN)

Digitally signed by
DAVID DANNER
Mar 29, 2024

OFFICE

AJV-A421

DATE

10/24/2023

APPROVED BY

DAVID DANNER

Digitally signed by
DAVID DANNER
Mar 29, 2024

OFFICE

AJV-A421

DATE

05/16/2024

TITLE

MANAGER



AIRPORT ID
LCK

PROCEDURE NAME
RNAV (GPS) RWY 23L

ORIGINAL/AMENDMENT
ORIG-C

CITY
COLUMBUS

STATE
OH

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLCK
RUNWAY	RW23L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	394927.9525N
LTP/FTP LONGITUDE	0825440.8685W
LTP/FTP ELLIPSOIDAL HEIGHT	+01913
FPAP LATITUDE	394803.8325N
FPAP LONGITUDE	0825631.1270W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER DBCEDBC1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02254
FPAP ORTHOMETRIC HEIGHT	+02254

