

**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 5L	ORIGINAL/AMENDMENT ORIG-D	CITY COLUMBUS	STATE OH
AIRPORT ELEVATION 744	TDZE 744	SUPERSEDED RNAV (GPS) RWY 5L	DATED 09/09/2021	MAG VAR 7W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		LAKDE		TF	FB	1.00	283.32	17.65	3000
LAKDE	IAF	HIGID	NOPT	TF	FB	1.00	322.39	8.00	3000
GAILL	IAF	HIGID	NOPT	TF	FB	1.00	079.48	14.09	3000
HIGID	IF/IAF	COLMU		TF	FB	1.00	052.19	7.20	2400
COLMU	FAF	ZOGAM/1.20 NM TO RW05L		TF	FB	0.30	052.26	3.83	
ZOGAM/1.20 NM TO RW05L		RW05L	MAP	TF	FO	0.30	052.26	1.20	
RW05L	MAP	1500 MSL		CA			052.26		1500
1500 MSL		XUB VOR		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05L

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 HIGID, RT, 052.19 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 052.26 **FAF:** COLMU **DIST FAF TO MAP:** 5.03 **DIST FAF TO THLD:** 5.03
- MIN ALT:** HIGID 3000, COLMU 2400, ZOGAM/1.20 NM TO RW05L 1200
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.45 **GS ANT:**
- MIN GP INCPT:** 2400 **GP ALT AT PFAF:** COLMU 2400 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 55.0
- MSA FROM:** RW05L 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 5L-23R.
 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 -16°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV 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 979 FEET; INCREASE LNAV/VNAV DA TO 1042 FEET; INCREASE ALL MDAS 40 FEET AND CIRCLING VISIBILITY CAT D 1/4 SM.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TARTO ON T323 SOUTHBOUND

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 176.00 INBOUND.
 CHART FAS OBST: 846 TREE (39-077242) 394756N/0825600W.
 WAAS CHANNEL # 78022
 REFERENCE PATH ID: W05B
 LTP HAE: 192.1 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	944	1/2	200	944	1/2	200	944	1/2	200	944	1/2	200			
LNAV/VNAV DA	1007	1/2	263	1007	1/2	263	1007	1/2	263	1007	1/2	263			
LNAV MDA	1100	1/2	356	1100	1/2	356	1100	5/8	356	1100	5/8	356			
CIRCLING	1240	1	496	1240	1	496	1280	1 1/2	536	1400	2	656			

CHANGES - REASONS

- INCORPORATED CHANGES FROM P-NOTAMS FOR ORIG-A, ORIG-B, AND ORIG-C INTO FORM – IAW 8260.19I 8-3-4.C (3).
- UPDATED MAGVAR FROM 5W/1985 TO 7W/2010 - KLCK MAGVAR UPDATED ON ORIG-B BUT COURSES NOT UPDATED; NO GROUND TRACK CHANGE AND CORRECTED DOCUMENTATION IAW 8260.19I 8-3-4.B(12).
- ALL COURSES, EXCEPT MA HOLDING, INCREASED BY 2 DEGREES - KLCK MAGVAR UPDATED FROM 5W TO 7W.
- TERMINAL ROUTES: UPDATED ZOGAM/1.20 NM TO RWY05L AND RWY05L TO 1500 MSL COURSES FROM 050.30 TO 052.26 - UPDATED MAGVAR; NO ASSOCIATED GROUND TRACK CHANGE, IAW 8260.58C 3-5-2, AND 8260.19I 8-6-4.B(12).
- PROFILE LINE 2: ADDED MAX HOLDING 6000 - IAW 8260.19I, PARA 8-6-7B(2).
- PROFILE LINE 4: REMOVED THE ASTERISK FROM 1200 - NO LONGER REQUIRED, IAW 8260.19I, 8-6-7.D.
- PBN REQUIREMENT NOTES: CHANGED "RNP APCH" TO "RNP APCH – GPS" - IAW 8260.19I, 8-6-8.A.
- NOTES: UPDATED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TARTO ON V493 SOUTHBOUND." TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TARTO ON T323 SOUTHBOUND – YRK VORTAC VOR MON, T323 ADDED PER AIRSPACE DOCKET 23-ASO-8.
- NOTES: REMOVED "CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM." - TERMINAL PROCEDURES PUBLICATION TABLE (3) APPLIES.
- NOTES: REMOVED "**LNAV ONLY" - NO LONGER REQUIRED, IAW 8260.19I, 8-6-7.D.
- 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).



AIRPORT ID
LCK

PROCEDURE NAME
RNAV (GPS) RWY 5L

ORIGINAL/AMENDMENT
ORIG-D

CITY
COLUMBUS

STATE
OH

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE *Digitally signed by* **DAVID DANNER** **DATE**
Mar 29, 2024

DEVELOPED BY

DAVID DANNER (WALKER R. MILLIGAN)

Digitally signed by
DAVID DANNER
Mar 29, 2024

OFFICE **DATE**
AJV-A421 10/10/2023

APPROVED BY

DAVID DANNER

Digitally signed by
DAVID DANNER
Mar 29, 2024

OFFICE **DATE**
AJV-A421 05/16/2024

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLCK
RUNWAY	RW05L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05B
LTP/FTP LATITUDE	394818.3150N
LTP/FTP LONGITUDE	0825630.3710W
LTP/FTP ELLIPSOIDAL HEIGHT	+01921
FPAP LATITUDE	394934.7900N
FPAP LONGITUDE	0825450.1100W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.5
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 46C79BB9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02262
FPAP ORTHOMETRIC HEIGHT	+02262

