

**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> LCK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23L	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> COLUMBUS	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 744	<u>TDZE</u> 740	<u>SUPERSEDED</u> RNAV (GPS) RWY 23L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 09/09/2021
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 7W
				<u>EPOCH YEAR</u> 2010
				<u>CANCEL/SUSPEND</u>

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:

- | | | | | | |
|---|----------------------------|----------------|-----------------------|------------------------|---------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NE ZAVTA, RT, 232.43 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 232.37 | FAF: COYAN | | DIST FAF TO MAP: 4.97 | DIST FAF TO THLD: 4.97 | |
| 4. MIN ALT: ZAVTA 3000, COYAN 2400, VUTUY/1.60 NM TO RW23L 1280 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 200 HAT: 0.45 | GS ANT: |
| 6. MIN GP INCPT: 2400 | GP ALT AT PFAF: COYAN 2400 | | | OM: | MM: |
| 7. GP ANGLE: 3.04 | 34:1: IS CLEAR | 20:1: IS CLEAR | TCH: 55.0 | | IM: |
| 8. MSA FROM: RW23L 3100 | | | | | |

QUALITY
21
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

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 -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



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
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



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> LCK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23L	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> COLUMBUS	<u>STATE</u> OH	<u>AIRPORT ELEVATION</u> 744	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM VADUY **TO** UCECU

RNP 1.00 DISTANCE 2.78 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-002030)	395644.00N/0823731.00W	1317	50	20	2C	1000				AT683	3000
TERRAIN	395603.00N/0823830.00W	1116 (1100)								AS1500	2600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM UCECU **TO** ZAVTA

RNP 1.00 DISTANCE 5.00 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-002759)	395700.00N/0824329.00W	1360	500	50	5D	1000				AT640	3000
TERRAIN	395603.00N/0823830.00W	1116 (1100)								AS1500	2600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

QUALITY
21
CHECKED

INITIAL

FROM

TIYOY

TO

ZAVTA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	5.95										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-002759)	395700.00N/0824329.00W	1360	500	50	5D	1000				AT640	3000
TERRAIN	400015.00N/0824448.00W	1113 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

ZAVTA

TO

COYAN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.02										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-002759)	395700.00N/0824329.00W	1360	500	50	5D	500				AT540	2400
TERRAIN	395700.00N/0824418.00W	1054 (1100)								AS1000	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

COYAN

TO

RW23L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.95		DA				200				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				940

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

COYAN

TO

RW23L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.95		DA				382				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (39-033485)	395002.24N/0825344.38W	846	50	20	2C	161				AC20 XP95	1122

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP: MAINTAIN CURRENT MINS



FINAL: LNAV

FROM

COYAN

TO

VUTUY/1.60 NM TO RW23L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.37										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	395215.00N/0824927.00W	979	50	20	2C	250				RA40	1280

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

VUTUY/1.60 NM TO RW23L

TO

RW23L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.60		RW23L		440						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (39-077316)	395005.44N/0825247.98W	856	20	3	1A	250				XP74	1180

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP: MAINTAIN CURRENT MDA



HOLD-IN-LIEU OF PT

FROM

ZAVTA

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-001219)	400334.00N/0824213.00W	1549	500	50	5D	1000				AT451	3000
TERRAIN	400339.00N/0824054.00W	1250 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

YERKU

<u>RNP</u> 0.30	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 771			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TOWER (39-002176)	393901.00N/0831006.00W	1259	500	50	5D	1000					2300
TERRAIN	394051.00N/0831127.00W	863 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

YERKU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30								961			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TOWER (39-002176)	393901.00N/0831006.00W	1259	500	50	5D	1000					2300
TERRAIN	394051.00N/0831127.00W	863 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW23L

TO

YERKU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00								1080			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TOWER (39-002176)	393901.00N/0831006.00W	1259	500	50	5D	1000					2300
TERRAIN	394051.00N/0831127.00W	863 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

LCK

PROCEDURE NAME

RNAV (GPS) RWY 23L

AMDT NO.

ORIG-C

CITY

COLUMBUS

STATE

OH

AIRPORT ELEVATION

744

FACILITY

RNAV

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
ELEVATOR (39-100864)	394650.00N/0825648.00W	1.30	496	876	250	50	4D	300		AC50	1240
CATEGORY B											
ELEVATOR (39-100864)	394650.00N/0825648.00W	1.83	496	876	250	50	4D	300		AC50	1240
CATEGORY C											
TOWER (39-103369)	394946.54N/0825133.64W	2.88	536	929	250	50	4D	300		AC50	1280
CATEGORY D											
AAO	394741.33N/0825023.71W	3.76	656	1100	50	20	2C	300			1400

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW23L	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (39-000604)	400933.00N/0825523.00W	005	20.1	2046	500	50	5D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

LCK TOWER, ZID ARTCC, CMH APP CON

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	LCK	24	LCK	0.83	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	CMH	24	CMH	10.86	Y	35

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KLCK 744, KCMH 811
RA = 34.4.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW05L - MALSR, HIRL, PAPI-4L	PIR-G	
RW05R - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4L	PIR-G	APPROACH
RW23L - MALSR, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH
RW23R - REIL, HIRL, PAPI-4L	PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.04	739.5	55.0			3.00	77.9

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-16C	+54C	-16C	+13.53C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 977 HIGH TEMP 1273.



"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - VDP IS LESS THAN 0.5 NM AFTER STEPDOWN.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CURRENT GPA OF 3.04 IS DUE TO AN ABBREVIATED AMENDMENT AND WILL NEED TO BE CORRECTED BACK TO 3.00, AND PFAF MOVED UPON NEXT FULL AMENDMENT.

TAA NOT USED PER ATC REQUEST.

VEGETATION 100 FEET USED.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.16
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.70
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	225.37
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	11.50
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	225.43
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1100

THRESHOLD COORDINATES (IF STR-IN)	394927.95N/0825440.87W
ARP COORDINATES	394849.64N/0825540.14W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 5R DISTANCE 1.01 NM
FAF COORDINATES	395257.84N/0825005.26W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DAVID DANNER (WALKER R. MILLIGAN)	AJV-A421	10/24/2023	AERONAUTICAL INFORMATION SPECIALIST

