

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> LHQ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> LANCASTER	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 868	<u>TDZE</u> 857	<u>SUPERSEDED</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 03/25/2021
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 6W
				<u>EPOCH YEAR</u> 1990
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DOCVE	IAF	HASPI	NOPT	TF	FB	1.00	009.86	7.00	2700
JOGER	IAF	HASPI	NOPT	TF	FB	1.00	088.58	23.03	2700
GLOOM	IAF	HASPI	NOPT	TF	FB	1.00	189.40	13.28	2700
HASPI	IF/IAF	BERAY		TF	FB	1.00	099.87	6.12	2600
BERAY	FAF	GAGSE/2.60 NM TO RW10		TF	FB	0.30	099.96	2.75	
GAGSE/2.60 NM TO RW10		RW10	MAP	TF	FO	0.30	099.96	2.60	
RW10	MAP	1268 MSL		CA			099.96		
1268 MSL		DIPAC		DF	FO	1.00			2800

MISSED APPROACH

MAP:

LP: RW10
LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2800 DIRECT DIPAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD W HASPI, RT, 099.87 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 099.96

FAF: BERAY

DIST FAF TO MAP: 5.35

DIST FAF TO THLD: 5.35
4. MIN ALT: HASPI 2700, BERAY 2600, GAGSE/2.60 NM RW10 1720
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:
6. MIN GP INCPT:

GP ALT AT FAF:
7. GP ANGLE:

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH:
8. MSA FROM: RW10 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.
CHART NOTE: WHEN CIRCLING RWY 28 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

ADDITIONAL FLIGHT DATA:

BERAY TO RW10 3.00/40
HOLD E, RT, 280.22 INBOUND.
CHART FAS OBST: 1186 TREE (39-128714) 394526N/0824307W, 1050 TREE (39-130153) 394512N/0824154W.
CHART 1235 TREE 394613N/0824336W, 1186 TREE 394526N/0824307W.
WAAS CHANNEL # 97701
REFERENCE PATH ID: W10A
LTP HAE: 227.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, 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
LP MDA	1300	1	443	1300	1	443	1300	1 3/8	443		NA				
LNAV MDA	1440	1	583	1440	1	583	1440	1 3/4	583		NA				
CIRCLING	1500	1	632	1540	1	672	1620	2 1/4	752		NA				



CHANGES - REASONS

1. DELETED LPV LINE OF MINIMA AND ASSOCIATED DATA - FPT/MULTIPLE VGS PENETRATIONS.
2. DELETED LNAV/VNAV LINE OF MINIMA AND ASSOCIATED DATA - FPT/MULTIPLE VGS PENETRATIONS.
3. ADDED LP LINE OF MINIMA - FPT/REPLACING LPV.
4. CHANGED FINAL: DIST FAF TO MAP/THLD FROM: 5.27 TO: 5.35 - FAF (BERAY) MOVED 274 FEET W.
5. CHANGED FAF (BERAY) TO SDF (GAGSE) DIST FROM: 2.67 TO: 2.75 - FAF (BERAY) MOVED 274 FEET W.
6. CHANGED INTERMEDIATE SEGMENT LENGTH FROM: 6.20 TO: 6.12 - FAF (BERAY) MOVED 274 FEET W
7. DOVCE LEG LENGTH/COURSE CHANGED FROM: 5.00/009.87 TO: 7.00/009.86 - TO MEET CURRENT CRITERIA.
8. DELETED FEEDER: TAR TO DOVCE AND ASSOCIATED PLANVIEW NOTE - YRK VOR MON SCHEDULED DECOMMISSIONING.
9. CHANGED EQUIPMENT REQUIREMENTS NOTE: "RNP APCH" TO PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - CURRENT CRITERIA FORMAT.
10. DELETED FROM ADDITIONAL FLIGHT DATA "DISTANCE TO THLD FROM 313 HAT: 0.86 NM" - LPV LINE OF MINIMA DELETED.
11. DELETED FROM ADDITIONAL FLIGHT DATA "CHART VDP AT 1.75 NM TO RW10" - VDP NA/20:1 PENETRATIONS.
12. CHANGED BACKUP ALTIMETER NOTE FROM: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING AND INCREASE ALL DAS 48 FEET, AND ALL MDAS 60 FEET, AND INCREASE LPV, LNAV/VNAV ALL CATS AND CIRCLING CAT C VISIBILITY 1/4 MILE" TO: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM" - LPV AND LNAV/VNAV MINIMA DELETED/ADDED LP MINIMA.
13. DELETED "BARO-VNAV AND VDP NA WHEN USING RICKENBACKER INTL ALTIMETER SETTING" - NOT REQUIRED/LNAV/VNAV MINIMA DELETED/20:1 PENETRATIONS.
14. CHANGED "RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO: "RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - 20:1 PENETRATIONS.
15. CHANGED IN ADDITIONAL FLIGHT DATA CHART FAS OBST FROM: "1206 TREE 394447N/0824258W, 959 TREE (HIGH POINT GROVE) 394525N/0824113W" TO: "1186 TREE (39-128714) 394526N/0824307W, 1050 TREE (39-130153) 394512N/0824154W" - NEW OBSTACLE EVALUATION.
16. CHANGED IN PROFILE LINE 4: "GAGSE/2.60 NM TO RW10 1720*" TO: "GAGSE/2.60 NM TO RW10 1720" - CURRENT CRITERIA FORMAT.
17. CHANGED ALTERNATE MINIMUMS FROM: "STANDARD - CAT C 900-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO: "STANDARD - CAT C 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" - CHANGE IN MINIMUMS.
18. LOWERED LNAV MDA/HAT ALL CATS FROM: 1460/603 TO: `1440/583 - NEW OBSTACLE EVALUATION/FPT COORDINATION.
19. LOWERED CIRCLING FROM CAT A MDA/HAA: 1520/652, CAT B: 1560/692, CAT C: 1720/852 TO: CAT A: 1500/632, CAT B: 1540/672, CAT C: 1620/752 - NEW OBSTACLE EVALUATION.
20. CHANGED VERTICAL ALERT LIMIT (VAL) FROM: "50.0" TO: "00.0" - REMOVED LPV MINIMA AND ADDED LP.
21. CRC REMAINDER CHANGED FROM: "8F10ADDC" TO: "BC40B33E" - LTP LAT/LONG CHANGED FROM: "394522.0400N/0823957.5000W TO: "394522.0395N/0823957.4970W.
22. FPAP LAT/LONG CHANGED FROM: 394515.7600N/0823802.2600W" TO: "394515.7505N/0823802.2535W - LTP CHANGED/AIRNAV DATA.
23. ADDED IN ADDITIONAL FLIGHT DATA: "CHART 1235 TREE 394613N/0824336W, 1186 TREE 394526N/0824307W" - LP AND LNAV 7:1 OBSTACLES.
24. ADDED CHART NOTE: "WHEN CIRCLING RWY 28 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD" - 20:1 MITIGATED USING VGSI (AFS APPROVAL LETTER).

COORDINATED WITH:

A4A

☐

ALPA

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AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

CMH ATCT, ZID, CMH APP CON, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

CASIMIR L TABAKA

Feb 08, 2024

OFFICE

FPO

DATE

02/05/2024

DEVELOPED BY

CASIMIR L. TABAKA (THERON CYRUS)

Digitally signed by

CASIMIR L TABAKA

Dec 07, 2023

OFFICE

AJV-A432

DATE

07/14/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Dec 07, 2023

OFFICE

AJV-A432

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLHQ
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	394522.0395N
LTP/FTP LONGITUDE	0823957.4970W
LTP/FTP ELLIPSOIDAL HEIGHT	+02271
FPAP LATITUDE	394515.7505N
FPAP LONGITUDE	0823802.2535W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	BC40B33E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02613
FPAP ORTHOMETRIC HEIGHT	+02613

