

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
LHQ	RNAV (GPS) RWY 28	2	LANCASTER	OH		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
868	868	RNAV (GPS) RWY 28	1C	03/25/2021	6W	1990
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		21 MARCH 2024	ROUTINE			

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
APE VORTAC		NUMDE		TF	FB	1.00	152.18	19.42	3000
NUMDE	IAF	FAIRF	NOPT	TF	FB	1.00	206.43	8.90	3000
BRUCC	IAF	FAIRF	NOPT	TF	FB	1.00	010.02	7.00	3000
FAIRF	IF/IAF	ANOBE		TF	FB	1.00	280.18	5.47	2800
ANOBE	FAF	RW28	MAP	TF	FO	0.30	280.11	5.05	
RW28	MAP	1268 MSL		CA			280.11		
1268 MSL		HASPI		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT HASPI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E FAIRF, RT, 280.18 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC: 280.11 FAF: ANOBE DIST FAF TO MAP: 5.05 DIST FAF TO THLD: 5.05
- MIN ALT: FAIRF 3000, ANOBE 2800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 494 HAT: 1.18 GS ANT: IM:
- MIN GP INCPT: 2800 GP ALT AT FAF: ANOBE 2800 OM: MM:
- GP ANGLE: 3.50 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH: 55.0
- MSA FROM: RW28 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART NOTE: BARO-VNAV NA WHEN USING RICKENBACKER INTL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT APE VORTAC AIRWAY RADIALS 117 CW 235.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING; INCREASE LPV DA TO 1411 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 1549 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET.
CHART NOTE: STRAIGHT-IN RWY 28 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.
CHART NOTE: WHEN CIRCLING RWY 28 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 099.87 INBOUND.
CHART FAS OBST: 1245 TREE (39-129336) 394435N/0823630W.
WAAS CHANNEL # 69628
REFERENCE PATH ID: W28A
LTP HAE: 230.6 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	1362	1 3/8	494	1362	1 3/8	494		NA			NA				
LNAV/VNAV DA	1500	1 3/4	632	1500	1 3/4	632		NA			NA				
LNAV MDA	1500	1	632	1500	1	632		NA			NA				
CIRCLING	1500	1	632	1540	1	672		NA			NA				



CHANGES - REASONS

1. DELETED FEEDER: TARTO TO FAIRF AND ASSOCIATED PLANVIEW NOTE - YRK VOR MON SCHEDULED DECOMMISSIONING.
2. ADDED INITIAL: BRUCC TO FAIRF - PER FPT CHECKLIST.
3. CHANGED ON PROFILE LINE 7: "20:1 IS CLEAR" TO "20:1 IS NOT CLEAR" - NEW OBSTACLE EVALUATION/MULTIPLE 20:1 PENETRATIONS.
4. CHANGED PBN REQUIREMENT NOTES FROM: "RNP APCH" TO: "RNP APCH - GPS" - NEW CRITERIA FORMAT.
5. DELETED CHART NOTE: VDP NA WITH RICKENBACKER INTL ALTIMETER SETTING - VDP NOT PUBISHABLE/20:1 PENETRATIONS.
6. DELETED "CHART VDP AT 1.72 NM TO RW28" FROM ADDITIONAL FLIGHT DATA - VDP NOT PUBISHABLE/20:1 PENETRATIONS.
7. ADDED PROFILE LINE 5: "494 HAT: 1.18" - DISTANCE ADDED BASED ON NEW HAT VALUE.
8. CHANGED CHART NOTE FROM: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING AND INCREASE ALL DA 48 FEET; INCREASE ALL MDA 60 FEET" TO: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING; INCREASE LPV DA TO 1411 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 1549 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET." - NEW CRITERIA FORMAT/NEW EVALUATION.
9. CHANGED FAS OBSTACLE DATA IN ADDITIONAL FLIGHT DATA FROM: "CHART FAS OBST: 1259 TREE 394452N/0823648W" TO: "CHART FAS OBST: 1245 TREE (39-129336) 394435N/0823630W" - NEW OBSTACLE EVALUATION.
10. CHANGED ALTERNATE MINIMUMS FROM: "CAT A, B 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO: "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - CHANGE IN MINIMUMS.
11. RAISED LPV ALL CATS DA/HAT FROM: "1068/200" TO: "1362/494" - NEW OBSTACLE EVALUATION/OCS AND MISSED APP PENETRATIONS.
12. RAISED LPV ALL CATS VISIBILITY FROM: "3/4" TO: "1 3/8" - DUE TO INCREASE IN DA VALUE.
13. LOWERED LNAV/VNAV ALL CATS DA/HAT FROM: "1641/773" TO: "1500/632" - NEW OBSTACLE EVALUATION/8260.58C 3-3-5.
14. LOWERED LNAV/VNAV ALL CATS VISIBILITY FROM: "2 1/2" TO: "1 3/4" - DUE TO LOWER DA VALUE.
15. LOWERED LNAV ALL CATS MDA/HAT FROM: "1520/652" TO: "1500/632" - NEW OBSTACLE EVALUATION.
16. LOWERED CIRCLING CAT A MDA/HAA FROM: "1520/652" TO: "1500/632" AND CAT B FROM: "1560/692" TO: 1540/672" - NEW OBSTACLE EVALUATION.
17. CRC REMAINDER CHANGED FROM: "8F31C57C" TO: "2B4D15E3" - FPAP LAT/LONG CHANGED FROM: "394524.8300N/0824048.8400W" TO: "394524.8310N/0824048.8425W".
18. VERTICAL ALERT LIMIT (VAL) CHANGED FROM: "35.0" TO: "50.0" - LPV OCS PENETRATED BY OBSTACLE.
19. ADDED CHART NOTE: "STRAIGHT-IN RWY 28 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD" - FPT REQUEST TO RESTORE NIGHT OPERATIONS/APPROVAL LETTER TO MITIGATE 20:1 PENETRATIONS.
20. ADDED CHART NOTE: "WHEN CIRCLING RWY 28 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD" - FPT REQUEST TO RESTORE NIGHT OPERATIONS/APPROVAL LETTER TO MITIGATE 20:1 PENETRATIONS.
21. CHANGED CHART NOTE FROM: "RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO: "CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - NEW OBSTACLE EVALUATION/MULTIPLE 20:1 PENETRATIONS.
22. CHANGED CHART NOTE FROM: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24°C OR ABOVE 54°C" TO: "CHART NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C" - UPDATED FIVE YEAR CRITICAL TEMP (2018-2022).
23. CHANGED CA LEG ALTITUDE FROM: "1068 MSL" TO: "1268 MSL" - LOWEST ALTITUDE BASED ON ARPT EL+400 FEET.
23. CHANGED CHART PLANVIEW NOTE FROM: PROCEDURE NA FOR ARRIVALS AT APE VORTAC AIRWAY RADIALS 090 CW 235 TO: "PROCEDURE NA FOR ARRIVALS AT APE VORTAC AIRWAY RADIALS 117 CW 235" - CURRENT CRITERIA.

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	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	394518.5565N
LTP/FTP LONGITUDE	0823853.5965W
LTP/FTP ELLIPSOIDAL HEIGHT	+02306
FPAP LATITUDE	394524.8310N
FPAP LONGITUDE	0824048.8425W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2B4D15E3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02647
FPAP ORTHOMETRIC HEIGHT	+02647

