

**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 DARKE COUNTY	AIRPORT ID KVES	PROCEDURE NAME RNAV (GPS) RWY 9	ORIGINAL/AMENDMENT 1	CITY VERSAILLES	STATE OH
AIRPORT ELEVATION 1007	TDZE 1007	SUPERSEDED RNAV (GPS) RWY 9	ORIGINAL/AMENDMENT ORIG	DATED 07/31/2008	MAG VAR 4W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 8 NOVEMBER 2018	REQUIRED EFFECTIVE DATE 11/08/2018	CANCEL SUSPEND	EPOCH YEAR 1985

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>
DQN VOR/DME		COKUS		TF	FO	2.00	307.29	20.08	2700
ROSSY		COKUS		TF	FO	2.00	244.68	8.45	2700
MIE VOR/DME	IAF	COKUS	NOPT	TF	FB	1.00	098.23	29.14	2700
COKUS	IF/IAF	VERYU		TF	FB	1.00	092.39	4.98	2700
VERYU	FAF	FOLUX/1.54 NM TO RW09		TF	FB	0.30	092.46	3.64	
FOLUX/1.54 NM TO RW09		RW09	MAP	TF	FO	0.30	092.46	1.54	
RW09	MAP	1257 MSL		CA			092.46		
1257 MSL		WGLU		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW09

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT WGLU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD W COKUS, RT, 092.39 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 092.46 **FAF:** VERYU **DIST FAF TO MAP:** 5.18 **DIST FAF TO THLD:** 5.18
4. **MIN ALT:** COKUS 2700, VERYU 2700, FOLUX/1.54 NM TO RW09 1540*
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.65 **GS ANT:**
6. **MIN GP INCPT:** 2700 **GP ALT AT FAF :** VERYU 2700 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 44.0
8. **MSA FROM:** RW09 2800

PBN REQUIREMENTS NOTES:

RNP APCH

NOTES:

CHART NOTE: CIRCLING RWY 27 NA AT NIGHT.
 CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C.
 *LNAV ONLY
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DQN VOR/DME AIRWAY RADIALS 234 CW 008.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROSSY ON V55 SOUTHEAST BOUND AND V210 EASTBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MIE VOR/DME AIRWAY RADIALS 015 CW 141.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 WAAS CHANNEL #77642
 REFERENCE PATH ID: W09A
 CHART FAS OBST: 1134 TREE 401248N/0843340W.
 HOLD E, RT, 272.69 INBOUND
 LTP HAE: 273.1 M

MINIMUMS:

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

ALTERNATE: NA STANDARD

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	1257	1	250	1257	1	250	1257	1	250		NA					
LNAV/VNAV DA	1400	1 1/8	393	1400	1 1/8	393	1400	1 1/8	393		NA					
LNAV MDA	1400	1	393	1400	1	393	1400	1 1/8	393		NA					
CIRCLING	1440	1	433	1480	1	473	1660	1 3/4	653		NA					



CHANGES - REASONS

1. COKUS TO VERYU TERMINAL ROUTE DISTANCE CHANGED FROM 5.10 TO 4.98 - PFAF VERYU RELOCATED 731 FT WEST WITH APPLICATION OF CURRENT PFAF FORMULA AND 3.00 GLIDEPATH ANGLE.
2. ADDED STEPDOWN FIX FOLUX - MITIGATE APPLICATION OF AAO IN FINAL.
3. ADDED VERYU TO FOLUX TO RW09 TO 1257 MSL (CA LEG) TO WEGLU COURSE, DISTANCE, AND ALTITUDE DATA TO TERMINAL ROUTES - CURRENT DOCUMENTATION CRITERIA.
4. LINE 3, DIST FAF TO MAP/THLD CHANGED FROM 5.11 TO 5.18 - RECALCULATED BASED ON NEWE PFAF LOCATION.
5. LINE 4, ADDED FOLUX/1.54 NM TO RW09 1540* - REFLECT NEW STEPDOWN FIX.
6. LINE 6, ADDED MIN GS INCPT: 2700 AND GS ALT AT: VERYU 2700 - REQUIRED FOR VERTICALLY GUIDED MINIMUMS.
7. LINE 7, ADDED GS ANGLE: 3.00 - REQUIRED FOR VERTICALLY GUIDED MINIMUMS.
8. LINE 7, ADDED 20:1 IS CLEAR - 20:1 VISUAL SURFACE VERIFIED CLEAR
9. LINE 8, MSA CHANGED FROM 2700 TO 2800 - NEW CONTROLLING OBST 1724 WINDMILL.
10. ADDED LPV AND LNAV/VNAV MINIMUMS - PER FPT/RAPT REQUEST; NATIONAL WAAS INITIATIVE.
11. ALTERNATE MINIMUMS CHANGED FROM NA TO STANDARD - LOCAL ALTIMETER SETTING SOURCE TRANSMITTED ON WMSCR.
12. ADDED CAT C MINIMUMS - PER FPT/RAPT REQUEST.
13. CIRCLING CAT B MDA/HAA CHANGED FROM 1460/453 TO 1480/473 - APPLIED CURRENT CIRCLING RADII AND REEVALUATED OEAS; NEW CIRC CAT B CONTROLLING OBST 1165 ANTENNA.
14. REMOVED JAMES M. COX DAYTON INTL ALTIMETER SETTING MINIMUMS AND CHART NOTE PERTAINING TO BACK-UP ALTIMETER SETTING - LOCAL AWOS-3 IS TRANSMITTED ON WMSCR AND BACK-UP NOTES NOT REQUIRED PER FPT.
15. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - PER CURRENT EQUIPMENT REQUIREMENTS NOTES DOCUMENTATION CRITERIA.
16. CHANGED HELO VIS REDUCTION CHART NOTE FROM "VISIBILITY REDUCTION BY HELICOPTERS NA" TO "RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 VISUAL SURFACE PENETRATIONS AND CURRENT NOTE FORMAT.
17. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROSSY ON V 55 SOUTHEAST BOUND AND V210 EASTOUND - PRECLUDE EXCESSIVE TURN ANGLE BASED ON CURRENT AIRWAY STRUCTURE.
18. CHANGED CHART PLANVIEW NOTE FOR ARRIVAL AT DQN VOR/DME FROM "...AIRWAY RADIALS 264 CW 359" TO "...AIRWAY RADIALS 234 CW 008" - PRECLUDE EXCESSIVE TURN ANGLE BASED ON CURRENT AIRWAY STRUCTURE.
19. CHANGED CHART PLANVIEW NOTE FOR ARRIVAL AT MIE VOR/DME FROM "...AIRWAY RADIALS 063 CW 141" TO "...AIRWAY RADIALS 015 CW 141" - PRECLUDE EXCESSIVE TURN ANGLE BASED ON CURRENT AIRWAY STRUCTURE.
20. ADDED BARO-VNAV CRITICAL TEMPS CHART NOTE - REQUIRED FOR BARO-VNAV MINIMUMS.
21. ADDED CHART NOTE: CIRCLING RWY 27 NA AT NIGHT - RWY 27 20:1 VISUAL SURFACE PENETRATIONS.
22. ADDED *LNAV ONLY NOTE - DENOTE FOLUX SDF MIN ALT AS PERTAINING TO LNAV ONLY.
23. MISSED APPROACH HOLDING INBOUND COURSE CHANGED FROM 272.68 TO 272.69 - MATCH WEGLU FIX HIL INBOUND COURSE.
24. ADDED DISTANCE TO THLD FROM 250 HAT: 0.65 NM - REQUIRED FOR RNAV VERTICALLY GUIDED MINIMUMS.
25. ADDED CHART CIRCLING ICON - APPLIED CURRENT CIRCLING CRITERA.
26. REMOVED VERYU TO RW09 VDA INFORMATION - NO LONGER REQUIRED WITH VERTICALLY GUIDED MINIMUMS.
27. ADDED WAAS CHANNEL, REFERENCE PATH ID, LTP HAE DATA, AND FAS DATA SECTION - SUPPORT NEW LPV MINIMUMS.

8/22/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/19/18

1. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 11/08/2018



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZID, COLUMBUS APP CON, APT MGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
ROBERT G HAMILTON
Aug 22, 2018

OFFICE

DATE

DEVELOPED BY

JEFFREY ROBINSON

Digitally signed by
JEFFREY ROBINSON
May 18, 2018

OFFICE

DATE

AJV-5421

04/19/2018

APPROVED BY

JULIE MORGAN

Digitally signed by
ROBERT G HAMILTON
Aug 22, 2018

OFFICE

DATE

AJV-5420

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KVES
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	401215.2715N
LTP/FTP LONGITUDE	0843227.6535W
LTP/FTP ELLIPSOIDAL HEIGHT	+02731
FPAP LATITUDE	401217.5395N
FPAP LONGITUDE	0843031.4015W
THRESHOLD CROSSING HEIGHT (TCH)	00044.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1288
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER A76C51E0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03063
FPAP ORTHOMETRIC HEIGHT	+03063

