

**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</u> WOOD COUNTY	<u>AIRPORT ID</u> 1G0	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> BOWLING GREEN	<u>STATE</u> OH	
<u>AIRPORT ELEVATION</u> 673	<u>TDZE</u> 673	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
SEHSI	IAF	MELIS	NOPT	TF	FB	1.00	181.80	5.06	2300
KOREW	IAF	MELIS	NOPT	TF	FB	1.00	004.94	5.00	2300
MELIS	IF/IAF	YOHKO		TF	FB	1.00	275.99	6.25	2300
YOHKO	FAF	RW28	MAP	TF	FO	0.30	275.90	4.92	
RW28	MAP	923 MSL		CA			275.90		
923 MSL		UBAYA		DF	FO	1.00			2300

**MISSED APPROACH**

**MAP:**

LPV: DA

LNAV: RW28

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2300 DIRECT UBAYA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD E MELIS, RT, 275.99 INBOUND, 2300 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 275.90

FAF: YOHKO

DIST FAF TO MAP: 4.92

DIST FAF TO THLD: 4.92

4. MIN ALT: MELIS 2300, YOHKO 2300

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.65

GS ANT:

6. MIN GP INCPT: 2300

GP ALT AT FAF : YOHKO 2300

OM:

MM:

IM:

7. GP ANGLE: 3.04

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 39.8

8. MSA FROM: RW28 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 36 NA AT NIGHT.  
CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: VDP NA WHEN USING TOLEDO EXPRESS ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOLEDO EXPRESS ALTIMETER SETTING: INCREASE DA TO 958 FEET; INCREASE ALL MDAS 40 FEET AND VISIBILITY LNAV CAT C 1/8 SM AND CIRCLING CAT D 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.53 NM TO RW28\*  
\*LNAV ONLY  
WAAS CHANNEL #82702  
REFERENCE PATH ID: W28A  
CHART FAS OBST: 996 TOWER 412433N/0833204W.  
HOLD W, RT, 095.66 INBOUND  
LTP HAE: 169.4 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	923	1	250	923	1	250	923	1	250	923	1	250			
LNAV MDA	1200	1	527	1200	1	527	1200	1 1/2	527	1200	1 3/4	527			
CIRCLING	1300	1	627	1300	1	627	1300	1 3/4	627	1320	2	647			



CHANGES - REASONS

1. ADDED CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. - NEW SURVEY AND EVAL YIELDED NEW 34:1 PENETRATIONS AND INCORPORATED NOTAM FDC 9/5643.
2. CRC REMAINDER CHANGED FROM 47CC0BC3 TO A3CBEF1B. -NEW SURVEY YIELDED SLIGHTLY DIFFERENT LTP.
3. CHANGED BACK UP ALTIMETER CHART NOTE VISIBILITY INCREASE FOR LNAV CAT C FROM 1/4 SM TO 1/8 SM. - NEW VIS CHECK ACCOMPLISHED.
4. CHANGED GP ANGLE FROM 3.00 TO 3.04. - REFLECT CURRENT CRITERIA IAW 8260.3D 2-6.
5. ADD MAX ALT OF 6000FT TO LINE 2 HOLD IN LIEU. - REFLECT CURRENT CRITERIA IAW 8260.19H 8-6-7 B. (2).
6. LTP HAE CHANGED FROM 169.3M TO 169.4M IN ADDITIONAL FLIGHT DATA. - NEW SURVEY COMPLETED.
7. FAS DATA LTP COORDINATES CHANGED FROM 412329.8500N/0833711.7125W TO 412329.8500N/0833711.7165W . - NEW SURVEY COMPLETED.
8. FAS DATA FPAP COORDINATES CHANGED FROM 412331.1200N/0833910.0800W TO 412331.1236N/0833910.0854W. NEW SURVEY AND EVAL COMPLETED.
9. FAS DATA LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +01693 TO +01694. - NEW SURVEY COMPLETED.
10. FAS DATA LTP AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM +02046 TO +02047. - NEW SURVEY COMPLETED.
11. CHANGED LINE 5 FROM 250 HAT: .067 TO 250 HAT: .065. - NEW EVALUATION COMPLETED.
12. CHANGED LINE 7 34:1 FROM IS CLEAR TO IS NOT CLEAR. - NEW EVALUATION COMPLETED AND 34:1 PENETRATIONS EXIST.

COORDINATED WITH:

A4A☐

ALPA☒

AOPA☒

APA☐

HAI☐

NBAA☒

OTHER: ZOB, TOL APP CON, AMGR

FLIGHT CHECKED BY

JEFFREY W HARING

Digitally signed by

ROBERT G HAMILTON

Mar 01, 2019

OFFICE

FICO

DATE

2/22/19

DEVELOPED BY

ROBERT G HAMILTON (ANDRE TUCKER)

Digitally signed by

ROBERT G HAMILTON

Mar 01, 2019

OFFICE

AJV-A422

DATE

12/06/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Mar 01, 2019

OFFICE

AJV-A42

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	1G0
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	412329.8500N
LTP/FTP LONGITUDE	0833711.7165W
LTP/FTP ELLIPSOIDAL HEIGHT	+01694
FPAP LATITUDE	412331.1235N
FPAP LONGITUDE	0833910.0850W
THRESHOLD CROSSING HEIGHT (TCH)	00039.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A3CBEF1B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02047
FPAP ORTHOMETRIC HEIGHT	+02047

