

**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> 7G8	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> MIDDLEFIELD	<u>STATE</u> OH		
<u>AIRPORT ELEVATION</u> 1174	<u>TDZE</u> 1167	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 4 NOVEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 199/30 CW 019/30	NOPT	ZESAK	IF/IAF	4000
2. 019/30 CW 199/30		ZESAK	IF/IAF	4000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZESAK	IF/IAF	JESUN		TF	FB	1.00	289.10	5.00	2800
JESUN	FAF	RW29	MAP	TF	FO	0.30	289.03	5.03	
RW29	MAP	1574 MSL		CA			289.03		
1574 MSL		EYIKY		DF	FO	1.00			3100

MISSED APPROACH

MAP:

LP: RW29
LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT EYIKY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD E ZESAK, RT, 289.10 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 289.03FAF: JESUNDIST FAF TO MAP: 5.03DIST FAF TO THLD: 5.03

4. MIN ALT: ZESAK 4000, JESUN 2800

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS

NOTES:

CHART NOTE: CIRCLING RWY 11 NA AT NIGHT.
CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: USE YOUNGSTOWN/WARREN ALTIMETER SETTING; WHEN NOT RECEIVED, USE CUYAHOGA COUNTY ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND INCREASE CIRCLING CAT C VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART YOUNGSTOWN/WARREN ASOS
HOLD W, RT, 108.76 INBOUND.
CHART FAS OBST: 1359 TOWER (39-002554) 412736N/0810333W, 1285 TREE (39-062622) 412629N/0810008W.
WAAS CHANNEL # 61233
REFERENCE PATH ID: W29A
CHART CIRCLING ICON.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
LTP HAE: 319 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
LP MDA	1620	1	453	1620	1	453	1620	1 3/8	453		NA				
LNAV MDA	1640	1	473	1640	1	473	1640	1 3/8	473		NA				
CIRCLING	1760	1	586	1760	1	586	1900	2	726		NA				



CHANGES - REASONS

1. INCORPORATED P-NOTAM AMDTS ORIG-A (5/4376) AND ORIG-B (7/4282).
2. PROFILE LINE 2: ADDED MAX 6000 - 8260.19I 8-6-7. B (2).
3. PROFILE LINE 5: ADDED DIST TO THLD FROM FAF: 5.03 - 8260.19I 8-6-7. E.
4. PROFILE LINE 7: ADDED 20:1 IS CLEAR - 20:1 OBSTACLES WERE REMOVED/NEW SURVEY.
5. PBN REQUIREMENTS NOTE: REMOVED DME/DME RNP -0.3 NA AND REPLACED WITH RNP APCH - GPS - 8260.19I 8-6-8. B.
6. NOTES: CHANGED BACK-UP ALTIMETER NOTE FROM "USE YOUNGSTOWN-WARREN ALTIMETER SETTING; WHEN NOT RECEIVED, USE CUYAHOGA COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 40 FT AND INCREASE LNAV CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE" TO "USE YOUNGSTOWN/WARREN ALTIMETER SETTING; WHEN NOT RECEIVED, USE CUYAHOGA COUNTY ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND INCREASE CIRCLING CAT C VISIBILITY 1/4 SM" - NEW VISIBILITY CHECKS/NO INCREASE FOR LNAV CAT C.
7. NOTES: REMOVED "PROCEDURE NA AT NIGHT" - REMOVED 20:1'S ON FINAL/NEW SURVEY DATA.
8. NOTES: ADDED CIRCLING RWY 11 NA AT NIGHT - 20:1 PENETRATIONS IN CIRCLING AREAS TO RWY 11.
9. NOTES: CHANGED FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 20:1 PENETRATIONS REMOVED ON FINAL / 34:1 PENETRATIONS ONLY.
10. ADDITIONAL FLIGHT DATA: ADDED CHART YOUNGSTOWN/WARREN ASOS - 8260.19I 8-2-4 B. 3.
11. ADDITIONAL FLIGHT DATA: CHART FAS OBSTACLE: REMOVED "CHART FAS OBST: 1319 TREE 412650N/0810036W" AND "CHART FAS OBST: 1329 TREE 412712N/0810058W" - NEW CONTROLLING OBSTACLES.
12. ADDITIONAL FLIGHT DATA: CHART FAS OBSTACLE: ADDED "CHART FAS OBST: 1359 TOWER (39-002554) 412736N/0810333W, 1285 TREE (39-062622) 412629N/0810008W" - NEW CONTROLLING OBSTACLES / NEW SURVEY / 8260.19I 8-6-10. C.
13. CRC REMAINDER CHANGED FROM 51014DAD TO 1D9E720F - LTP/FTP LAT/LONG CHANGED FROM 412655.5525N/0810323.9315W TO 412655.5550N/0810323.9340W, AND FPAP LAT/LONG CHANGED FROM 412710.9500N/0810520.6400W TO 412655.5550N/0810323.9340W - NEW SURVEY DATA.

- 06/15/21: THIS IS AN UPDATED COPY OF THE FORM APPROVED ON 06/02/21.
1. FPAP LAT/LONG CHANGED FROM 412655.5550N/0810323.9340W TO 412710.9560N/0810520.6404W.
 2. CRC REMAINDER CHANGED FROM 1D9E720F TO DD534541.
 3. REMOVED FROM LINE 5: DIST TO THLD FROM FAF: 5.03.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB ARTCC, CLE APP CON, YNG ATCT, 7G8 AMGR

FLIGHT CHECKED BY
JAMES ONIEAL

Digitally signed by
JON DENTON
Sep 17, 2021

OFFICE
FICO
DATE
09/09/2021

DEVELOPED BY
JON DENTON (APRIL SARMENTO)

Digitally signed by
JON DENTON
Sep 17, 2021

OFFICE
AJV-A432
DATE
03/18/2021

APPROVED BY
LONNIE EVERHART

Digitally signed by
JON DENTON
Sep 17, 2021

OFFICE
AJV-A430
DATE
TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	7G8
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	412655.5550N
LTP/FTP LONGITUDE	0810323.9340W
LTP/FTP ELLIPSOIDAL HEIGHT	+03190
FPAP LATITUDE	412710.9560N
FPAP LONGITUDE	0810520.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	DD534541

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03529
FPAP ORTHOMETRIC HEIGHT	+03529

