

**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> 4G4	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> YOUNGSTOWN	<u>STATE</u> OH		
<u>AIRPORT ELEVATION</u> 1070	<u>TDZE</u> 1063	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 11/07/2019	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 189/30 CW 009/30	NOPT	KOFZU	IF/IAF	3200
2. 009/30 CW 099/30		MUHSI	IAF	3200
3. 099/30 CW 189/30		FONRU	IAF	3600

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MUHSI	IAF	KOFZU	NOPT	TF	FB	1.00	008.59	5.00	3200
FONRU	IAF	KOFZU	NOPT	TF	FB	1.00	188.59	5.00	3200
KOFZU	IF/IAF	EZODY		TF	FB	1.00	278.59	6.02	2300
EZODY	FAF	CIXEB/2.20 NM TO RW28		TF	FB	0.30	278.50	1.52	
CIXEB/2.20 NM TO RW28		RW28	MAP	TF	FO	0.30	278.50	2.20	
RW28	MAP	1470 MSL		CA			278.50		
1470 MSL		KOFZU		DF	FO	1.00			3200

**MISSED APPROACH**

**MAP:**

LNAV: RW28

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 3200 DIRECT KOFZU AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





**CHANGES - REASONS**

1. INCORPORATED P-NOTAMS 3/0948 FOR AMDT-A, 6/5116 FOR ORIG-B, 8/1890 FOR AMDT ORIG-C, AND 9/5831 FOR AMDT ORIG-D.
2. CHANGED TAA SEGMENT 1 AND 2 ALTITUDE FROM "3100" TO "3200" - NEW CONTROLLING OBSTACLE IN TAA SEGMENT 1; 8260.58B, 2-4-3, E.
3. LEGS FROM MUHSI TO KOFZU AND FONRU TO KOFZU ALTITUDE CHANGED FROM "3100" TO "3200" - NEW CONTROLLING OBSTACLE IN TAA SEGMENT 1; 8260.58B, 2-4-3, E.
4. ADDED LEG EZODY TO CIXEB/2.20 NM TO RW28 IN TERMINAL ROUTES - FINAL LEG NOT DOCUMENTED ON ORIGINAL FORMS.
5. ADDED LEG CIXEB/2.20 NM TO RW28 TO RW28 IN TERMINAL ROUTES - FINAL STEPDOWN LEG NOT DOCUMENTED ON ORIGINAL FORMS.
6. ADDED LEG RW28 TO 1470 MSL IN TERMINAL ROUTES - MISSED APPROACH CA LEG NOT DOCUMENTED ON ORIGINAL FORMS.
7. ADDED LEG 1470 MSL TO KOFZU IN TERMINAL ROUTES - MISSED APPROACH DA LEG NOT DOCUMENTED ON ORIGINAL FORMS.
8. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING RIGHT TURN TO 3100 DIRECT KOFZU AND HOLD." TO "CLIMBING RIGHT TURN TO 3200 DIRECT KOFZU AND HOLD." - NEW CONTROLLING OBSTACLE IN TAA SEGMENT 1.
9. UPDATED PROFILE LINE 2 FROM "HOLD E KOFZU, RT, 278.59 INBOUND, 3100 FT. IN LIEU OF PT (IAF)" TO "HOLD E KOFZU, RT, 278.59 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000." - NEW CONTROLLING OBSTACLE EVALUATION; 8260.19I, 8-6-7, B(2).
10. CHANGED MIN ALT ON PROFILE LINE 4 FROM "KOFZU 3100, EZODY 2300, CIXEB/2.20 NM TO RW28 1800" TO "KOFZU 3200, EZODY 2300, CIXEB/2.20 NM TO RW28 1800" - NEW CONTROLLING OBSTACLE EVALUATION.
11. ADDED "20:1: IS NOT CLEAR" TO PROFILE LINE 7 - 8260.19I, 8-6-7, G(3).
12. DELETED " PBN REQUIREMENTS NOTE: RNP APCH." AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - 8260.19I, 8-6-8, B(2).
13. UPDATED CHART FAS OBST FROM "1332 TOWER 405800N/0803818W." TO "1332 TOWER (39-003759) 405800N/0803818W." - 8260.19I, 8-6-10, C.
14. CHANGED "CHART 1579 TOWER 405906N/0803604W." TO "CHART 1672 TOWER 405618N/0803525W." - NEW OBSTACLE EVALUATION.
15. ADDED CIRCLING LINE OF MINIMA - PER FPT REQUEST.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZOB, KCLE APP CON, AMGR

**FLIGHT CHECKED BY**

JAMES ONIEAL

*Digitally signed by*  
**JASON KRETSCHMER**

Jan 31, 2022

**OFFICE**  
FPO

**DATE**  
01/20/2022

**DEVELOPED BY**

JASON KRETSCHMER (HENRY A BRADSHAW)

*Digitally signed by*  
**JASON KRETSCHMER**

Dec 23, 2021

**OFFICE**  
AJV-A421

**DATE**  
11/15/2021

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*  
**JASON KRETSCHMER**

Dec 23, 2021

**OFFICE**  
AJV-A420

**DATE**

**TITLE**  
MANAGER

