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 ID
4G4

PROCEDURE NAME
RNAV (GPS) RWY 28

ORIGINAL/AMENDMENT
1 YOUNGSTOWN
OH
OH

 AIRPORT ELEVATION
 TDZE
 SUPERSEDED
 ORIGINAL/AMENDMENT
 DATED
 MAG VAR
 EPOCH YEAR

 1070
 1063
 RNAV (GPS) RWY 28
 ORIG-D
 11/07/2019
 8W
 2000

FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE REQUIRED EFFECTIVE DATE CANCEL/SUSPEND

RNAV 24 MARCH 2022 ROUTINE

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:

ONALITY 2 CHECKED AIRPORT ID
4G4PROCEDURE NAME
RNAV (GPS) RWY 28ORIGINAL/AMENDMENT
1CITY
YOUNGSTOWNSTATE
YOUNGSTOWN

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD E KOFZU, RT, 278.59 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 278.50 **FAF:** EZODY **DIST FAF TO MAP:** 3.72 **DIST FAF TO THLD:** 3.72

4. MIN ALT: KOFZU 3200, EZODY 2300, CIXEB/2.20 NM TO RW28 1800

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 CLEAR 20:1: IS NOT CLEAR TCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE NEW CASTLE ALTIMETER

SETTING AND INCREASE ALL MDA 40 FT.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1332 TOWER (39-003759) 405800N/0803818W.

CHART 1672 TOWER 405618N/0803525W.

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

MINIMUMS:

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

ALTERNATE: NA



CATEGORY:		Α			В			С			D			E	
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
LNAV MDA	1600	1	537	1600	1	537		NA			NA				
CIRCLING	1660	1	590	1660	1	590		NA			NA				



AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATE4G4RNAV (GPS) RWY 281YOUNGSTOWNOH

CHANGES - REASONS

COORDINATED WITH:

- 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 8260.191, 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.

JASON KRETSCHMER
Dec 23, 2021

15. ADDED CIRCLING LINE OF MINIMA - PER FPT REQUEST.

A4A ALPA X AOPA X APA	HAI 📗 NBAA 🔀	OTHER: ZOB, KCLE APP CON, AMGR		
FLIGHT CHECKED BY JAMES ONIEAL	Digitally signed by JASON KRETSCHMER Jan 31, 2022	<u>OFFICE</u> FPO	<u>DATE</u> 01/20/2022	
<u>DEVELOPED BY</u> JASON KRETSCHMER (HENRY A BRADSHAW)	Digitally signed by JASON KRETSCHMER	<u>OFFICE</u> AJV-A421	<u>DATE</u> 11/15/2021	
APPROVED BY MARLON ROBINSON	Dec 23, 2021 Digitally signed by	<u>OFFICE</u> AJV-A420	DATE	<u>TITLE</u> MANAGER

ONALITY 2 CHECKER