

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> COLUMBUS MUNI	<u>AIRPORT ID</u> KBAK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> COLUMBUS	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 656	<u>TDZE</u> 654	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 20-05.

<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>
SHB VOR/DME	IAF	EYUGI		TF	FB	1.00	218.89	10.57	2500
EYUGI	IF	ILOYU		TF	FB	1.00	183.00	9.08	2300
ILOYU	FAF	WORIM/3.10 NM TO YAYUY		TF	FB	0.30	153.00	1.40	
WORIM/3.10 NM TO YAYUY		YAYUY	MAP	TF	FO	0.30	153.00	3.10	
YAYUY	MAP	1040 MSL		CA			153.00		
1040 MSL		KUDNE		DF	FB	1.00			
KUDNE		HUMOX		TF	FO	1.00	133.44	9.58	2500

MISSED APPROACH

MAP:

LNAV: YAYUY

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT KUDNE AND ON TRACK 133.44 TO HUMOX AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. PROFILE STARTS AT EYUGI

3. FAC: 153.00 FAF: ILOYU DIST FAF TO MAP: 4.50 DIST FAF TO THLD: 4.99

4. MIN ALT: EYUGI 2500, ILOYU 2300, WORIM/3.10 NM TO YAYUY 1840

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

6. MIN GP INCPT: GP ALT AT FAF :

7. GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH:

8. MSA FROM: YAYUY 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON SHB VOR/DME AIRWAY RADIALS 312 CW 124.

ADDITIONAL FLIGHT DATA:

CHART ARRIVAL HOLDING AT SHB VOR/DME: HOLD NE, RT, 218.88 INBOUND, 2500.
CHART CIRCLING ICON.
ILOYU TO RW14: 3.02/45.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.99 DEGREES.
CHART R-3401 A/B
CHART VDP AT 0.58 NM TO YAYUY
CHART FAS OBST: 778 TREE 391643N/0855433W.
CHART: 946 TOWER 391823N/0855749W.
FAC CROSSES RWY C/L EXTENDED 3004 FT FROM THLD.
HOLD SE, RT, 318.15 INBOUND

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LNAV MDA	1040	1	386	1040	1	386	1040	1 1/8	386	1040	1 1/4	386			
CIRCLING	1140	1	484	1200	1	544	1200	1 1/2	544	1400	2 1/2	744			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM AMDT 1A AND 1B - IAW 8260.19H PARA 8-3-4C (2).
2. CHANGED CA LEG ALTITUDE FROM 1020 MSL TO 1040 MSL - LNAV MDA INCREASED TO 1040 DUE TO NEW CONTROLLING OBSTACLE.
3. DISTANCE FROM FAF TO THLD CHANGED FROM 4.98 TO 4.99 - RECALCULATED DISTANCE.
4. CHANGED 34:1 IS CLEAR TO 34:1 IS NOT CLEAR - NEW SURVEYED OBSTACLE.
5. ADDED TO LINE 7: 20:1 IS CLEAR - IAW 8260.19H PARA 8-6-7 G (3).
6. DELETED CHART NOTE DME/DME RNP -0.3 NA AND ADDED PBN REQUIREMENTS NOTE RNP APCH - IAW 8260.19H PARA 8-6-8 B.
7. REMOVED BACK-UP ALTIMETER SETTING CHART NOTE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND LNAV CAT C AND D VISIBILITY 1/4 MILE AND VDP NA WHEN USING INDIANAPOLIS INTL ALTIMETER SETTING - AWOS IS ON WMSCR, NOTE ADDED TO 8260-9 FOR CONTINGENCY USE.
8. ADDED CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATIONS.
9. FAS OBSTACLE CHANGED FROM 769 TREE TO 778 TREE - NEW SURVEY DATA.
10. ADDED TO ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON - NEW CIRCLING RADII APPLIED IAW 8260.3D PARA 2-7-1 AND TO MATCH ILS OR LOC RWY 23 APPROACH.
11. CHANGED FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD TO FAC CROSSES RWY C/L EXTENDED 3004 FT FROM THLD - RECALCULATED DISTANCE.
12. ADDED CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.99 DEGREES - FINAL APPROACH COURSE ALIGNMENT IS OFFSET.
13. UPDATED VDP DISTANCE FROM 0.52 NM TO YAYUY TO 0.58 NM TO YAYUY - MDA CHANGED FROM 1020 TO 1040.
14. CHANGED VDA FROM ILOYU TO RW14: 3.03/45 TO 3.02/45 - RECALCULATED DISTANCE.
15. LNAV MINIMUMS CHANGED FROM MDA/HAT 1020/366 ALL CATS TO MDA/HAT 1040/386 ALL CATS. LNAV VISIBILITY CAT C CHANGED FROM 1 TO 1 1/8 - NEW CONTROLLING OBSTACLE.
16. CIRCLING CATS B AND C MINIMUMS CHANGED FROM CMDA/HAA 1140/484 TO 1200/544, CAT D FROM 1220/564, VIS 2 TO 1400/744, VIS 2 1/2 SM - NEW CONTROLLING OBSTACLES AND NEW CIRCLING RADII.
17. CHANGED ARRIVAL HOLDING PLANVIEW NOTE FROM: HOLDING NOT REQUIRED FOR ARRIVAL AT SHB VOR/DME ON AIRWAY RADIALS 312 CW 124 TO NOPT FOR ARRIVAL ON SHB VOR/DME AIRWAY RADIALS 312 CW 124 - IAW 8260.19H PARA 8-2-5 G(2).
18. UPDATED ADDITIONAL FLIGHT DATA OBSTACLE FROM 945 TOWER 391823N/0855749W TO 946 TOWER 391823N/0855749W - UPDATED SURVEY DATA.

1/23/20: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/11/19.
1. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP AT 0.58 NM TO UNKNOWN TO CHART VDP AT 0.58 NM TO YAYUY.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: IND ATCT, ZID, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

DEVELOPED BY

FRANK JACKSON JR

Digitally signed by

FRANK JACKSON

Jan 23, 2020

Digitally signed by
DONALD H LANIER

Jan 31, 2020

OFFICE

AJV-A431

DATE

11/15/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by

DONALD H LANIER

Jan 31, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER

