

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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> KCMH	<u>PROCEDURE NAME</u> ILS OR LOC RWY 28R	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> COLUMBUS	<u>STATE</u> OH		
<u>AIRPORT ELEVATION</u> 815	<u>TDZE</u> 813	<u>SUPERSEDED</u> ILS OR LOC RWY 28R	<u>ORIGINAL/AMENDMENT</u> 4B	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-ONB	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
APE VORTAC		ORDIW/I-ONB 11.34 DME/RADAR					206.29	10.34	4000
YELYU/I-ONB 14.84 DME/RADAR		ORDIW/I-ONB 11.34 DME/RADAR					281.22	3.50 (I-ONB)	4000
ORDIW/I-ONB 11.34 DME/RADAR	IAF	WINAT/I-ONB 9.20 DME/RADAR					281.22	2.14 (I-ONB)	3300
WINAT/I-ONB 9.20 DME/RADAR	IF	WEEKZ/I-ONB 6.00 DME/RADAR					281.22	3.20 (I-ONB)	2300

MISSED APPROACH

MAP:

ILS: DA
 LOC: 4.51 NM AFTER WEEKZ/I-ONB 6.00 DME/RADAR OR AT I-ONB 1.49 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT APE VORTAC AND HOLD

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT BU LOM AND HOLD (ADF REQUIRED)

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT WINAT/I-ONB 9.20 DME/RADAR
- FAC: 281.22 FAF: WEEKZ/I-ONB 6.00 DME/RADAR DIST FAF TO MAP: 4.51 DIST FAF TO THLD: 4.51
- MIN ALT: WINAT/I-ONB 9.20 DME/RADAR 3300, WEEKZ/I-ONB 6.00 DME/RADAR 2300, UNOIT/I-ONB 3.49 DME/RADAR 1480
- DIST TO THLD FROM FAF: 4.51 MM: IM: 150 HAT: GS ANT: 958
- MIN GS INCPT: 2300 GS ALT AT FAF: WEEKZ/I-ONB 6.00 DME/RADAR 2300 OM: MM: IM:
- GP ANGLE: 3.00 34:1: 20:1: TCH: 50.2
- MSA FROM: APE VORTAC 3100

QUALITY
22
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED

CHART NOTE: AUTOPILOT COUPLED APPROACH NA

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON APE VORTAC AIRWAY RADIALS 146 CW 267

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 28R CAT C/D VISIBILITY TO 1 3/8 SM

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW ONLY: APE 10.34 DME AT ORDIW

HOLD NE, RT, 235.00 INBOUND.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW BU LOM, LT, 038.00 INBOUND.

CHART FAS OBST: 1011 TOWER 395958N/0825016W

1260 AAO 400018N/0824612W

CHART VDP AT 2.79 DME

DISTANCE VDP TO THLD 1.31 NM

CHART IN PLANVIEW: BU LOM

CHART CIRCLING ICON

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D 800-2 1/4

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 28R	1013	2400	200	1013	2400	200	1013	2400	200	1013	2400	200			
S-LOC 28R	1280	2400	467	1280	2400	467	1280	5000	467	1280	5000	467			
CIRCLING	1340	1	525	1340	1	525	1520	2	705	1520	2 1/4	705			

CHANGES - REASONS

AMENDED FEEDER SEGMENT FROM APE VORTAC TO ATIPE/I-CONB 6.63 DME/RADAR 227.59 / 12.48 AT 2900" TO "APE VORTAC TO ORDIW/I-ONB 11.34 DME/RADAR 206.69 10.34 AT 4000" - PROCEDURAL REDESIGN AND 8260.19I 8-6-4 B(1)

ADDED FEEDER TERMINAL ROUTE SEGMENT "YELU/I-ONB 14.84 DME/RADAR TO ORDIW/I-ONB 11.34 DME/RADAR 281.22 3.50 AT 4000" - PROCEDURAL REDESIGN AND 8260.19I 8-6-4 B(2)

ADDED INITIAL TERMINAL ROUTE SEGMENT "ORDIW/I-ONB 11.34 DME/RADAR IAF TO WINAT/I-ONB 9.20 DME/RADAR NOPT 281.22 2.14 AT 3300" - PROCEDURAL REDESIGN AND 8260.19I 8-6-4 B(2)

ADDED INTERMEDIATE TERMINAL ROUTE SEGMENT "WINAT/I-ONB 9.20 DME/RADAR IF TO WEEKZ/I-ONB 6.00 DME/RADAR 281.22 3.20 AT 2300" - PROCEDURAL REDESIGN AND 8260.19I 8-6-4 B(2)

AMENDED LOC MISSED APPROACH POINT FROM "5.14 NM AFTER ATIPE/I-ONB 6.63 DME/RADAR OR AT I-ONB 1.49 DME" TO "4.51 NM AFTER WEEKZ/I-ONB 6.00 DME/RADAR OR AT I-ONB 1.49 DME" - PROCEDURAL REDESIGN AND 8260.19I 8-6-6 C(1)

AMENDED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FULER LOM AND HOLD" TO "CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT APE VORTAC AND HOLD" - PROCEDURAL REDESIGN AND 8260.19I 8-6-6 D(7)

AMENDED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT APE VORTAC AND HOLD" TO "CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT BU LOM AND HOLD" - PROCEDURAL REDESIGN AND 8260.19I 8-6-6 H(1)

DELETED PT DATA FROM PROFILE LINE 1 - 8260.19I 8-6-7 A(3)

ADDED PROFILE LINE 2 "PROFILE STARTS AT WINAT/I-ONB 9.20 DME/RADAR" - 8260.19I 8-6-7 B(3)(A)

AMENDED PROFILE LINE 3 FROM "FAF: ATIPE/I-ONB 6.63 DME/RADAR", "DIST FAF TO MAP: 5.14", AND "DIST FAF TO THLD: 5.14" TO "FAF: WEEKZ/I-ONB 6.00 DME/RADAR", "DIST FAF TO MAP: 4.51", AND "DIST FAF TO THLD: 4.51" - PROCEDURAL REDESIGN AND 8260.19I 8-6-7 C(2) AND NOTE 1

AMENDED PROFILE LINE 4 FROM "MIN. ALT: ATIPE/I-ONB 6.63 DME/RADAR 2500, UNOIT/I-ONB 3.49 DME/RADAR 1500"" TO "WINAT/I-ONB 9.20 DME/RADAR 3300, WEEKZ/I-ONB 6.00 DME/RADAR 2300, UNOIT/I-ONB 3.49 DME/RADAR 1480" - PROCEDURAL REDESIGN AND 8260.19I 8-6-7 D(3) AND (5)

ADDED TO PROFILE LINE 5 "DIST TO THLD FROM FAF: 4.51" - 8260.19I 8-6-7 E

AMENDED PROFILE LINE 6 FROM "MIN GS INCPT: 2500" AND "GS ALT AT: ATIPE 2500" TO "MIN GS INCPT: 2300" AND "GS ALT AT FAF: WEEKZ/I-ONB 6.00 DME/RADAR 2300" - PROCEDURAL REDESIGN AND 8260-19I 8-6-7 F(1), (4), AND (5)

RELOCATED "CHART PLANVIEW NOTE: DME OR RADAR REQUIRED" FROM ADDITIONAL FLIGHT DATA TO EQUIPMENT REQUIREMENTS NOTES - 8260.19I A

AMENDED AND RELOCATED NOTE FROM "CHART NOTE: ADF REQUIRED" IN NOTES TO "(ADF REQUIRED)" TO ALT MA INSTRUCTIONS - 8260.19I 8-6-8 A

DELETED NOTE "CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2023" AND ADDED "CHART NOTE: AUTOPILOT COUPLED APPROACH NA" - INCORPORATED FDC NOTAM 9-6762

AMENDED ADDITIONAL FLIGHT DATA FROM "HOLD W, LT, 092.07 INBOUND" TO "HOLD NE, RT, 235.00 INBOUND" - PROCEDURAL REDESIGN AND 8260.19I 8-6-6 G

AMENDED ADDITIONAL FLIGHT DATA FROM "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE APE VORTAC, RT, 235.00 INBOUND" TO "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW BU LOM, LT, 038.00 INBOUND" - 8260.19I 8-6-6 H(2)

AMENDED ADDITIONAL FLIGHT DATA FROM "CHART IN PLANVIEW: APE VORTAC" TO "CHART IN PLANVIEW: BU LOM" - PROCEDURAL REDESIGN AND 8260.19I 8-6-6 H(2)

AMENDED ADDITIONAL FLIGHT DATA FROM "CHART FAS OBST: 1006 TREE 395954N/0825005W" TO "CHART FAS OBST: 1011 TOWER 395958N/0825016W" - NEW FINAL CONTROLLING OBSTACLE IDENTIFIED AND 8260.19I 8-6-10 C

AMENDED ADDITIONAL FLIGHT DATA FROM "1313 AAO 400012N/0824451W" TO "1260 AAO 400018N/0824612" - NEW LOC FINAL 7:1 OBSTACLE IDENTIFIED

AMENDED ADDITIONAL FLIGHT DATA FROM "CHART VDP AT 2.73 DME", "DISTANCE VDP TO THLD 1.24 NM", AND ""LOC ONLY" TO "CHART VDP AT 2.79 DME" AND "DIST VDP TO THLD: 1.31 NM" - PROCEDURAL REDESIGN AND 8260.19I 8-6-10 M MEMO

DELETED FROM ADDITIONAL FLIGHT DATA "CHART IN PLANVIEW: (CFBSG) AT 395915.61N/0823817.72W" - FIX NO LONGER USED ON THIS PROCEDURE

AMENDED ALTERNATE MINIMUMS FROM "(ILS) # CAT A, B 700-2, CAT C 800-2, CAT D 800-2 1/4" TO "ILS: STANDARD" - 8260.3D 3-4-1 D

DELETED "UNOIT FIX MINIMUMS (DME OR RADAR REQUIRED)" - DME OR RADAR IS REQUIRED TO FLY THE PROCEDURE. NO NEED FOR NON DME/RADAR MINS

AMENDED S-ILS 28R DH/HAT FROM "1014/201" TO "1013/200" - PROCEDURAL REDESIGN AND 8260.19I 8-6-11 (4)

AMENDED S-LOC 28R CATS A/B MDA/HAT FROM "2160/447" TO "1280/467" AND CATS C/D MDA/VIS/HAT FROM "1260/4500/447" TO "1280/5000/467" - 8260.3D TABLES 3-3-1 (CAT C/D), 3-3-3 (CAT A), AND 3-3-4 (CAT B)

COORDINATED WITH:

A4A ☒

ALPA ☒

AOPA ☒

APA ☒

HAJ ☐

NBAA ☒

OTHER: ZID, CMH APP CON, CMH ATCT, AMGR

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by

JON DENTON

OFFICE

FICO

DATE

02/25/2021

DEVELOPED BY

KELLY CARLSON

Digitally signed by

JON DENTON

Mar 02, 2021

OFFICE

AJV-A432

DATE

12/03/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Mar 02, 2021

OFFICE

AJV-A430

DATE

TITLE

MANAGER

