

**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> KCAE	<u>PROCEDURE NAME</u> ILS OR LOC RWY 29	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> COLUMBIA	<u>STATE</u> SC		
<u>AIRPORT ELEVATION</u> 236	<u>TDZE</u> 227	<u>SUPERSEDED</u> ILS OR LOC RWY 29	<u>ORIGINAL/AMENDMENT</u> 3J	<u>DATED</u> 12/30/2021	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-VYK	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022	<u>REQUIRED EFFECTIVE DATE</u> 03/24/2022	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<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>
CAE VORTAC		VYKUS OM/INT					016.52	3.97	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: 3.94 NM AFTER VYKUS OM/INT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2300 DIRECT CAE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2300.
(TACAN AIRCRAFT CONTINUE ON CAE VORTAC R-140 TO ADCOM INT/10.00 DME AND HOLD NW, RT, 140.20 INBOUND).

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 2500 THEN LEFT TURN ON ASSIGNED HEADING FOR RADAR VECTORS TO ADCOM/RADAR (RADAR REQUIRED).

PROFILE:

1. PT R SIDE OF COURSE 111.67 OUTBOUND 2100 FT WITHIN 15 MILES OF VYKUS OM/INT (IAF)

2.

3. FAC: 291.67 FAF: VYKUS OM/INT DIST FAF TO MAP: 3.94 DIST FAF TO THLD: 3.94

4. MIN ALT: VYKUS OM/INT 1600

5. DIST TO THLD FROM OM: 3.94 MM: IM: 150 HAT: GS ANT: 1000

6. MIN GS INCPT: 1600 GS ALT AT PFAF : OM: 1523 MM: IM:

7. GP ANGLE: 3.00 34:1 20:1 TCH: 57.5

8. MSA FROM: CAE VORTAC 3100

EQUIPMENT REQUIREMENTS NOTES:



NOTES:

CHART NOTE: ** RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CAE VORTAC` AIRWAY RADIALS 331 CW 006.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 29 CAT E VISIBILITY TO RVR 4000, AND S-LOC 29 CATS C/D/E TO 1 3/8 SM.
CHART IN PLANVIEW: ADCOM INT/CAE VORTAC 10.00 DME/RADAR
CHART IN PLANVIEW ABEAM VYKUS OM/INT: CAE VORTAC 3.97 DME

ADDITIONAL FLIGHT DATA:

CHART KCUB IN PLANVIEW.
CHART: (CFFRZ) AT 335345.47N/0805503.72W
HOLD SE, LT, 335.00 INBOUND.
CHART FAS OBST: 450 TOWER (45-001305) 335520N/0810400W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT C 900-2 1/4, CAT D 900-2 1/2, CAT E 900-2 3/4

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
S-ILS 29**	427	2400	200	427	2400	200	427	2400	200	427	2400	200	427	2400	200
S-LOC 29	700	2400	473	700	2400	473	700	5000	473	700	5000	473	700	5000	473
CIRCLING	740	1	504	860	1	624	1040	2 1/4	804	1040	2 1/2	804	1040	2 3/4	804

CHANGES - REASONS

- CAT E MINIMUMS ADDED TO PROCEDURE - DOD/FPT REQUEST.
- CAE VORTAC TO VYKUS OM/INT COURSE DISTANCE CHANGED FROM 016.53/3.99 TO 016.52/3.97 - TARGETS CALCULATION AFTER VYKUS INT MOVED 58 FT SOUTH AND TCH CHANGED TO 57.5.
- HOPKI INT TO VYKUS DR SEGMENT REMOVED - CRITERIA NO LONGER ALLOWS AS SEGMENT UTILIZED OLD CRITERIA DEVELOPED IN 1983.
- PT DISTANCE CHANGED FROM 10 NM TO 15 NM - CAT E MINS ADDED TO PROCEDURE.
- DIST FROM FAC TO MAP/THLD CHANGED FROM 3.90 TO 3.94 - TARGETS CALCULATION AFTER VYKUS INT MOVED 58 FT SOUTH AND TCH CHANGED TO 57.5.
- DIST TO THLD FROM OM CHANGED FROM 3.90 TO 3.94 - TARGETS CALCULATION AFTER VYKUS INT MOVED 58 FT SOUTH AND TCH CHANGED TO 57.5.
- MIN GS INTCPT AT OM ALTITUDE CHANGED FROM 1539 TO 1523 - TCH CHANGED FROM 57.0 TO 57.5.
- TCH CHANGED FROM 57.0 TO 57.5 - MATCH FACILITY DATA SHEET.
- S-LOC 29 CAT C VISIBILITY CHANGED FROM RVR 4000 TO RVR 5000 - UPDATED PER NEW VISIBILITY CHART.
- CHANGED ALL CIRCLING MDA/HAA MINS: CAT A MDA/HAA LOWERED FROM 760/524 TO 740/504; CAT B RAISED FROM 760/524 TO 860/624; CAT C RAISED FROM 840/604 TO 1040/804; CAT D RAISED FROM 880/644 TO 1040/804 - CAT A XP ADJUSTMENT REMOVED WITH NEW OBSTACLE EVAL; OBSTACLE EVAL AFTER APPLYING NEW CIRCLING CRITERIA.
- ALTERNATE MINS CHANGED FROM ILS: STANDARD CAT C, D 700-2 TO ILS: STANDARD; LOC: STANDARD - CAT C 900-2 1/4, CAT D 900-2 1/2, CAT E 900-2 3/4 - MATCH NEW CIRCLING MINS.
- DELETED PRIMARY MISSED APPROACH AND ADF REQUIRED NOTE - MURRY LOM DECOMMISSIONED.
- ADDED PRIMARY MISSED APPROACH OF CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2300 DIRECT CAE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2300 - ATC COORDINATED AFTER DECOMMISSIONING MURRY LOM.
- ALTERNATE MISSED CHANGED FROM "CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2100 DIRECT CAE VORTAC AND HOLD" TO "CLIMB TO 2500 THEN LEFT TURN DIRECT ADCOM (RADAR REQUIRED)" - ATC COORDINATED DUE TO LIMITED FACILITIES AND OTHER AIRPORTS VICINITY TO KCAE.
- ADDED TACAN MISSED APPROACH - USAF AIRCRAFT CAN NOT HOLD OVER A FACILITY.
- FAS OBST CHANGED FROM 458 WATER TANK TO 450 TOWER - SURVEY UPDATE AND NEW OBSTACLE EVAL.
- ADDED INOPERATIVE ALS NOTE - PROVIDE PILOT REFERENCE.
- ADDED FACF (CFFRZ) - NO FACF EXISTED.
- ADDED CIRCLING ICON - APPLIED NEW CIRCLING CRITERIA.
- ADDED PROCEDURE ENTRY NA NOTE - TURNS FROM PUBLISHED AIRWAY RADIALS TO FEEDER COURSE EXCEEDS 120 DEGREES.
- PROCEDURE INCORPORATES CHANGES MADE BY P-NOTAM - INCLUDE CHANGES FROM AMDT 3J.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZJX, CAE APP CON, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
DONALD H LANIER
Dec 27, 2021

OFFICE

FICO

DATE

DEVELOPED BY

KELLY DEAN

Digitally signed by
KELLY D DEAN
Dec 09, 2021

OFFICE

AJV-A431

DATE

11/10/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by
DONALD H LANIER
Dec 27, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER

