

**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.

<b><u>AIRPORT ID</u></b> KCAE	<b><u>PROCEDURE NAME</u></b> ILS OR LOC RWY 11 ILS RWY 11 (CAT II), ILS RWY 11 (CAT III)	<b><u>ORIGINAL/AMENDMENT</u></b> 16	<b><u>CITY</u></b> COLUMBIA	<b><u>STATE</u></b> SC		
<b><u>AIRPORT ELEVATION</u></b> 236	<b><u>TDZE</u></b> 236	<b><u>SUPERSEDED</u></b> ILS OR LOC RWY 11 ILS RWY 11 (CAT II), ILS RWY 11 (CAT III)	<b><u>ORIGINAL/AMENDMENT</u></b> 15B	<b><u>DATED</u></b> 12/30/2021	<b><u>MAG VAR</u></b> 7W	<b><u>EPOCH YEAR</u></b> 2020
<b><u>FACILITY</u></b> I-CAE	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 24 MARCH 2022	<b><u>REQUIRED EFFECTIVE DATE</u></b> 03/24/2022	<b><u>CANCEL/SUSPEND</u></b>		

**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		AGUVE INT/I-CAE LOC/DME 7.29 DME/RADAR					306.46	11.75	2200

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 5.69 NM AFTER AGUVE/I-CAE LOC/DME 7.29 DME/RADAR OR AT I-CAE LOC/DME 1.60 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1100 THEN CLIMBING RIGHT 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/CAE VORTAC 10.00 DME AND HOLD NW, RT, 140.20 INBOUND).

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

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

**PROFILE:**

1. PT	L	SIDE OF COURSE	291.66	OUTBOUND	2200	FT WITHIN	15	MILES OF	AGUVE INT/I-CAE LOC/DME 7.29 DME/RADAR (IAF)	
2.										
3. FAC:	111.66	FAF: AGUVE/I-CAE LOC/DME 7.29 DME/RADAR				DIST FAF TO MAP: 5.69		DIST FAF TO THLD: 5.69		
4. MIN ALT:	AGUVE/I-CAE LOC/DME 7.29 DME/RADAR 2100. BEHRN/I-CAE LOC/DME 3.60 DME 900									
5. DIST TO THLD FROM OM:	MM:		IM:		100 HAT: 922	150 HAT:		GS ANT: 1000		
6. MIN GS INCPT:	2100	GS ALT AT PFAF :		AGUVE/I-CAE LOC/DME 7.29 DME/RADAR 2100			OM:		MM:	IM:
7. GP ANGLE:	3.00	34:1:		20:1:		TCH: 59.0				
8. MSA FROM:	CAE VORTAC 3100									

QUALITY  
25  
CHECKED

**AIRPORT ID**  
KCAE

**PROCEDURE NAME**  
ILS OR LOC RWY 11  
ILS RWY 11 (CAT II),  
ILS RWY 11 (CAT III)

**ORIGINAL/AMENDMENT**  
16

**CITY**  
COLUMBIA

**STATE**  
SC

**EQUIPMENT REQUIREMENTS NOTES:**

DME OR RADAR REQUIRED FOR LOC ONLY

**NOTES:**

CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 11: CAT A, B, C, D, RA 128, RVR 1200, HAT 100, DA 336 MSL.

CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 11: CAT A, B, C, D, RVR 600

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CAE VORTAC AIRWAY RADIALS 263 CW 006.

CHART PROFILE NOTE: USE I-CAE DME WHEN ON THE LOCALIZER COURSE.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 11 CAT E VISIBILITY TO RVR 4000, S-LOC 11 CATS C/D/E VISIBILITY TO 1 7/8 SM, AND BEHRN MINIMUMS S-LOC 11 CAT E VISIBILITY TO 1 3/8 SM.

CHART IN PLANVIEW: ADCOM INT/CAE VORTAC 10.00 DME/RADAR.

CHART IN PLANVIEW ABEAM AGUVE: CAE VORTAC 11.75 DME.

**ADDITIONAL FLIGHT DATA:**

CHART: (CFFRW) AT 335935.97N/0812151.94W

CHART KCUB IN PLANVIEW.

HOLD SE, LT, 335.00 INBOUND.

CHART FAS OBST: 415 ANTENNA (45-032467) 335649N/0811003W.

CHART 746 TOWER 335833N/0811513W.

CHART R-6001A , R-6001B.

CHART VDP AT 2.83 DME

DISTANCE VDP TO THLD 1.23 NM.

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

<b><u>CATEGORY:</u></b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
S-ILS 11	436	1800	200	436	1800	200	436	1800	200	436	1800	200	436	1800	200
S-LOC 11	900	2400	664	900	2400	664	900	1 1/2	664	900	1 1/2	664	900	1 1/2	664
CIRCLING	900	1	664	900	1	664	1040	2 1/4	804	1040	2 1/2	804	1040	2 3/4	804
BEHRN MINIMUMS (DME REQUIRED)															
S-LOC 11	680	2400	444	680	2400	444	680	4500	444	680	4500	444	680	4500	444
CIRCLING	740	1	504	860	1	624	1040	2 1/4	804	1040	2 1/2	804	1040	2 3/4	804



**CHANGES - REASONS**

1. REMOVED MURRY LOM, MM, AND IM FROM PROCEDURE - MON PROJECT.
2. ADDED CAE DME TO PROCEDURE - DME FACILITY ADDED TO REPLACE OM, MM, AND IM.
3. DELETED FEEDER SEGMENTS FROM STEET, WIDER, AND LEDAS - MURRY LOM DECOMMISSIONED, NO LONGER TO NAVIGATE TO MURRY LOM.
4. FAF MOVED TO PFAF POINT (AGUVE) AT GS INTERCEPT PT - I-CAE DME AND RADAR SOURCE PROVIDED FOR FIX MAKEUP.
5. PROCEDURE TURN MOVED FROM LOM TO AGUVE/I-CAE 7.29 DME/RADAR - LOM DECOMMISSIONED.
6. ESTABLISHED FEEDER FROM CAE VORTAC TO AGUVE; CHARTED CAE VTAC 11.75 DME IN PLANVIEW - CAE RADIAL AND DME VALUE UTILIZED TO DEFINE INTERCEPT POINT.
7. ESTABLISHED AGUVE AS A RADAR FIX - PROVIDE FOR NON-DME EQUIPPED AIRCRAFT TO FLY LOCALIZER TIMED TO MISSED POINT.
8. ADDED BEHRN AS A DME STEPDOWN FIX - PROVIDE LOWER LOC MINIMUMS FOR DME EQUIPPED AIRCRAFT.
9. CHANGED PT DISTANCE FROM 10 NM TO 15 NM - ADDED CAT E MINIMUMS.
10. DIST FROM FAF TO MAP/THLD CHANGED FROM 5.51 TO 5.69 - FAF MOVED FROM LOM TO AGUVE.
11. DELETED LINE 5 DIST FROM OM 5.51 AND DIST FROM MM/IM - LOM/, MM, AND IM DECOMMISSIONED.
12. MSA CHANGED FROM MURRY LOM TO CAE VORTAC - LOM DECOMMISSIONED.
13. DELETED ADF REQUIRED PLANVIEW NOTE - LOM DECOMMISSIONED.
14. ADDED DME OR RADAR REQUIRED FOR LOC ONLY EQUIPMENT REQUIRED NOTE - REQUIRED TO IDENTIFY FAF FOR LOC PROCEDURE.
15. CHARTED SPECIAL USE AIRSPACE - PROVIDE REFERENCE TO PROCEDURE FOR MISSED APPROACH.
16. RAISED LOC MINS FROM 820 TO 900 - OBSTACLE EVAL AFTER MOVING FAF.
17. CIRCLING MDA/HAA CHANGED: CATS A/B FROM 820/584 TO 900/664; CAT C FROM 840/604 TO 1040/804; AND CAT D FROM 880/644 TO 1040/804 - SI ADJUSTMENT TO LNAV MINS AND APPLIED CIRCLING RADII.
18. ADDED INOPERATIVE ALS NOTE - PILOT REFERENCE NOTE.
19. ADDED CAT E MINIMUMS - USAF REQUESTED.
20. CHANGED ALTERNATE MISSED FROM PROCEEDING TO LOM TO CLIMB TO 2500 FOR RADAR VECTORS TO ADCOM - LOM DECOMMISSIONED AND ATC DIRECTED DUE TO NO USABLE FACILITIES IN AREA AND VICINITY TO OTHER AIRPORTS.
21. ADDED TACAN MISSED - SUPPORT DOD AIRCRAFT THAT CAN'T HOLD OVER THE FACILITY.
22. ALTERNATE MINS CHANGED FROM ILS: STANDARD; LOC: 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 - CORRESPOND WITH NEW MINIMUMS.
23. ADDED CNF FIX CFFRW AS FACF - NO FACF FIX EXISTS.
24. ADDED PROCEDURE ENTRY NA NOTE - TURNS FROM PUBLISHED AIRWAY RADIALS TO FEEDER COURSE EXCEED 120 DEGREES.
25. PROCEDURE INCORPORATES CHANGES MADE BY P-NOTAM - INCLUDE CHANGES FROM AMDT 15B.

**COORDINATED WITH:**

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

11/05/2021

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by***DONALD H LANIER**

Dec 27, 2021

**OFFICE**

AJV-A430

**DATE****TITLE**  
MANAGER

QUALITY  
25  
CHECKED