

**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><br>DEN         | <u>PROCEDURE NAME</u><br>ILS OR LOC RWY 17R | <u>ORIGINAL/AMENDMENT</u><br>4                | <u>CITY</u><br>DENVER                     | <u>STATE</u><br>CO        |
| <u>AIRPORT ELEVATION</u><br>5434 | <u>TDZE</u><br>5392                         | <u>SUPERSEDED</u><br>ILS OR LOC RWY 17R       | <u>DATED</u><br>07/19/2018                | <u>MAG VAR</u><br>8E      |
| <u>FACILITY</u><br>I-ACX         | <u>COORDINATES OF FACILITIES</u>            | <u>ACTUAL EFFECTIVE DATE</u><br>19 MARCH 2026 | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>EPOCH YEAR</u><br>2015 |
|                                  |                                             |                                               | <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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|----------------|-----------------|-----------------|
| TSHNR                 | IAF             | KLING                 |                 | TF              | FB           | 1.00       | 099.44         | 3.11            | 13000           |
| KIPPR                 | IAF             | TARIE                 |                 | TF              | FB           | 1.00       | 248.54         | 2.92            | 12000           |
| KAILE                 | IAF             | OVVAL                 |                 | TF              | FB           | 1.00       | 092.72         | 3.52            | 11000           |
| HISSY/20.57 DME/RADAR | IAF             | HOOPE/17.83 DME/RADAR |                 |                 |              |            | 172.53 (I-ACX) | 2.75            | 11000           |
| KLING                 |                 | HALDO                 |                 | TF              | FB           | 1.00       | 143.69         | 2.73            | 12000           |
| TARIE                 |                 | HALDO                 |                 | TF              | FB           | 1.00       | 202.89         | 2.65            | 12000           |
| OVVAL                 |                 | HOOPE/17.83 DME/RADAR |                 | TF              | FB           | 1.00       | 154.87         | 5.71            | 11000           |
| HALDO                 |                 | HEETT                 |                 | TF              | FB           | 1.00       | 172.53         | 2.09            | 12000           |
| HEETT                 |                 | HISSY/20.57 DME/RADAR |                 | TF              | FB           | 1.00       | 172.53         | 3.48            | 12000           |
| HOOPE/17.83 DME/RADAR | IF              | JAPEX/13.18 DME/RADAR |                 |                 |              |            | 172.53 (I-ACX) | 4.65            | 9600            |
| JAPEX/13.18 DME/RADAR |                 | JOMAG/11.14 DME/RADAR |                 |                 |              |            | 172.53 (I-ACX) | 2.04            | 9000            |
| JOMAG/11.14 DME/RADAR |                 | JOSEE/7.89 DME/RADAR  |                 |                 |              |            | 172.53 (I-ACX) | 3.25            | 8000            |
| JOSEE/7.89 DME/RADAR  |                 | JOULE/4.75 DME/RADAR  |                 |                 |              |            | 172.53 (I-ACX) | 3.14            | 7000            |

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 4.92 NM AFTER JOULE/4.75 DME/RADAR OR AT 0.18 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 11000 ON HEADING 173 TO I-ACX 4.15 DME SOUTH OF I-ACX BEFORE TURNING DIRECT FQF VORTAC AND ON FQF R-197 TO HOHUM INT/FQF 22.49 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

|    |                                         |                                                                                                                                           |                 |                           |                  |       |
|----|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------|------------------|-------|
| 1. | PT                                      | SIDE OF COURSE                                                                                                                            | OUTBOUND        | FT WITHIN                 | MILES OF         | (IAF) |
| 2. | PROFILE STARTS AT HOOPE/17.83 DME/RADAR |                                                                                                                                           |                 |                           |                  |       |
| 3. | FAC:                                    | 172.53                                                                                                                                    | FAF:            | JOULE/4.75 DME/RADAR      | DIST FAF TO MAP: | 4.92  |
| 4. | MIN ALT:                                | HOOPE/17.83 DME/RADAR 11000, JAPEX/13.18 DME/RADAR 9600, JOMAG/11.14 DME/RADAR 9000, JOSEE/7.89 DME/RADAR 8000, JOULE/4.75 DME/RADAR 7000 |                 |                           |                  |       |
| 5. | DIST TO THLD FROM OM:                   | MM:                                                                                                                                       | IM:             | 150 HAT:                  | GS ANT:          | 965   |
| 6. | MIN GS INCPT:                           | 7000                                                                                                                                      | GS ALT AT PFAF: | JOULE/4.75 DME/RADAR 7000 | OM:              | MM:   |
| 7. | GS ANGLE:                               | 3.00                                                                                                                                      | 34:1:           | 20:1:                     | TCH:             | 55.0  |
| 8. | MSA FROM:                               | DVV VORTAC 8100                                                                                                                           |                 |                           |                  |       |

PBN REQUIREMENTS NOTE:

RNP APCH-GPS. FROM KAILE, KIPPR OR TSHNR.

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART SPEED ICON IN PLANVIEW AT TSHNR: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT KIPPR: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT KAILE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 13000 AT TSHNR  
CHART MANDATORY 12000 AT KIPPR  
CHART MANDATORY 11000 AT KAILE  
CHART MANDATORY 12000 AT HISSY  
CHART IN PROFILE VIEW: I-ACX DME ANTENNA.  
HOLD N, LT, 197.00 INBOUND.  
FAS OBST: 5447 AAO 395654N/1043933W.  
CHART VDP AT 0.68 DME.  
DISTANCE VDP TO THLD 0.86 NM.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD

| 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 17R  | 5592   | 1800 | 200     | 5592   | 1800 | 200     | 5592   | 1800 | 200     | 5592   | 1800 | 200     |        |     |         |
| S-LOC 17R  | 5720   | 2400 | 328     | 5720   | 2400 | 328     | 5720   | 2600 | 328     | 5720   | 2600 | 328     |        |     |         |



CHANGES - REASONS

1. TERMINAL ROUTES REMOVED I-ACX FROM ALL CONVENTIONAL FROM POINTS – NO LONGER REQUIRED IAW 8260.19J 8-6-4
2. TERMINAL ROUTES REMOVED I-ACX FROM ALL CONVENTIONAL TO POINTS – NO LONGER REQUIRED IAW 8260.19J 8-6-4
3. TERMINAL ROUTES ADDED (I-ACX) TO ALL CONVENTIONAL COURSE SEGMENTS – IAW 8260.19J 8-6-4
4. TERMINAL ROUTES INITIAL TSHNR TO KLING MAG BRG CHANGED FROM 100.51 TO 099.44 – FIX KLING RELOCATED TO MEET LEG LENGTH REQUIREMENTS
5. TERMINAL ROUTES INITIAL TSHNR TO KLING DISTANCE CHANGED FROM 3.14 NM TO 3.11 NM – FIX KLING RELOCATED TO MEET LEG LENGTH REQUIREMENTS
6. TERMINAL ROUTES INITIAL KLING TO HALDO DISTANCE CHANGED FROM 2.64 NM TO 2.73 NM – FIX KLING RELOCATED TO MEET LEG LENGTH REQUIREMENTS
7. TERMINAL ROUTES INTERMEDIATE STEPDOWN JOSEE TO JOULE TO POINT FIX MAKEUP CHANGED FROM "JOULE/I-ACX 4.73 DME/RADAR" TO "JOULE/I-ACX 4.75 DME/RADAR" – FINAL FIX JOULE RELOCATED TO ALIGN WITH ILS
8. TERMINAL ROUTES INTERMEDIATE STEPDOWN JOSEE TO JOULE DISTANCE CHANGED FROM 3.15 NM TO 3.14 NM – FINAL FIX JOULE RELOCATED TO ALIGN WITH ILS
9. MISSED APPROACH MAP LOC CHANGED FROM "4.91 NM AFTER JOULE/I-ACX 4.73 DME/RADAR OR AT I-ACX 0.18 DME" TO "4.92 NM AFTER JOULE/I-ACX 4.75 DME/RADAR OR AT I-ACX 0.18 DME" - IAW 8260.19J 8-6-6C & DUE TO FAF JOULE RELOCATED TO ALIGN WITH ILS DESIGN TCH
10. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 10000 ON HEADING 173 AND ON FQF VORTAC R-197 TO HOHUM INT/FQF 22.49 DME AND HOLD" TO "CLIMB TO 11000 ON HEADING 173 TO 4.15 DME BEFORE TURNING DIRECT FQF VORTAC AND ON FQF R-197 TO HOHUM INT/FQF 22.49 DME AND HOLD" – PER ATC REQUEST FOR REDESIGNED ILS MISSED FOR OPERATIONAL REQUIREMENTS
11. PROFILE LINE 2 CHANGED FROM "PROFILE STARTS AT HOOPE/I-ACX 17.83 DME/RADAR" TO "PROFILE STARTS AT HOOPE/17.83 DME/RADAR" - IAW 8260.19J 8-6-7
12. PROFILE LINE 3 CHANGED FROM "JOULE/I-ACX 4.73 DME/RADAR" TO "JOULE/4.75 DME/RADAR" – FAF JOULE RELOCATED TO ALIGN WITH ILS TCH
13. PROFILE LINE 3 DIST FAF TO MAP CHANGED FROM 4.91 NM TO 4.92 NM – FAF JOULE RELOCATED TO ALIGN WITH ILS TCH
14. PROFILE LINE 3 DIST FAF TO THLD CHANGED FROM 4.91 NM TO 4.92 NM – FAF JOULE RELOCATED TO ALIGN WITH ILS TCH
15. PROFILE LINE 4 CHANGED FROM "MIN ALT: HOOPE/I-ACX 17.83 DME/RADAR 11000, JAPEX/I-ACX 13.18 DME/RADAR 9600, JOMAG/I-ACX 11.14 DME/RADAR 9000, JOSEE/I-ACX 7.89 DME/RADAR 8000, JOULE/I-ACX 4.73 DME/RADAR 7000" TO "MIN ALT: HOOPE/17.83 DME/RADAR 11000, JAPEX/13.18 DME/RADAR 9600, JOMAG/11.14 DME/RADAR 9000, JOSEE/7.89 DME/RADAR 8000, JOULE/4.75 DME/RADAR 7000" – IAW 8260.19J 8-6-7
16. PROFILE LINE 5 REMOVED "200 HAT: 0.44" – NO LONGER REQUIRED
17. PROFILE LINE 6 CHANGED FROM "GS ALT AT FAF : JOULE/I-ACX 4.73 DME/RADAR 7000" TO "GS ALT AT PFAF: JOULE/4.75 DME/RADAR 7000" – IAW 8260.19J 8-6-7 AND FAF JOULE RELOCATED TO ALIGN WITH ILS TCH
18. PROFILE LINE 7 TCH CHANGED FROM 59.6 TO 55.0 – ILS REDESIGNED TO BE COINCIDENT WITH DESIGN TCH
19. PROFILE LINE 8 MSA FROM CHANGED FROM "DEN VOR/DME 9200" TO "DVV VORTAC 8100" – REMOVING DEN VOR/DME DUE TO PENDING DECOM AND CHANGING TO DVV VORTAC
20. PBN REQUIREMENTS NOTES CHANGED FROM "DME OR RADAR REQUIRED FOR LOC ONLY" TO "RNP APCH-GPS. FROM KAILE, KIPPR OR TSHNR" – IAW 8260.19J 8-6-8
21. EQUIPMENT REQUIREMENTS NOTES ADDED "DME OR RADAR REQUIRED" – IAW 8260.19J 8-6-8
22. NOTES ADDED "CHART SPEED ICON IN PLANVIEW AT KAILE: MAX 210 KIAS" – IAW 8260.19J 4-6-10 PROCEDURE CONNECTS TO STAR WITH SPEED RESTRICTION
23. NOTES ADDED "CHART SPEED ICON IN PLANVIEW AT KIPPR: MAX 210 KIAS" - IAW 8260.19J 4-6-10 PROCEDURE CONNECTS TO STAR WITH SPEED RESTRICTION
24. NOTES ADDED "CHART SPEED ICON IN PLANVIEW AT TSHNR: MAX 210 KIAS" - IAW 8260.19J 4-6-10 PROCEDURE CONNECTS TO STAR WITH SPEED RESTRICTION
25. NOTES REMOVED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-17R LOC CAT C/D VISIBILITY TO RVR 5500" – NO LONGER REQUIRED
26. ADDITIONAL FLIGHT DATA CHANGED FROM "CHART FAS OBST: 5455 TOWER 395214N/1043919W" TO "FAS OBST: 5447 AAO 395654N/1043933W" – NEW SURVEY & FINAL CONTROLLING OBSTACLE
27. ADDITIONAL FLIGHT DATA CHANGED FROM "CHART VDP AT 0.69 DME\*" TO "CHART VDP AT 0.68 DME" – NEW ILS TCH AND FAF RELOCATED
28. ADDITIONAL FLIGHT DATA REMOVED "\*\*LOC ONLY" – NO LONGER REQUIRED
29. ADDITIONAL FLIGHT DATA CHANGED FROM "HOLD N, RT, 197.00 INBOUND" TO "HOLD N, LT, 197.00 INBOUND" – MISSED HOLDING PATTERN REDESIGNED PER ATC REQUEST
30. MINIMUMS S-LOC 17R VIS CAT C & CAT D CHANGED FROM RVR 3000 TO RVR 2600 – IAW 8260.3G TABLE 3-3-1

10/31/2025: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/14/2025:

1. MISSED APPROACH CHANGED FROM "CLIMB TO 11000 ON HEADING 173 TO 4.15 DME BEFORE TURNING DIRECT FQF VORTAC AND ON FQF R-197 TO HOHUM INT/FQF 22.49 DME AND HOLD" TO "CLIMB TO 11000 ON HEADING 173 TO I-ACX 4.15 DME SOUTH OF I-ACX BEFORE TURNING DIRECT FQF VORTAC AND ON FQF R-197 TO HOHUM INT/FQF 22.49 DME AND HOLD"

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZDZ, DEN ATCT, DEN APP CON, CO AERO, AMGR

FLIGHT CHECKED BY

COLTON CROWDER

Digitally signed by

CASIMIR L TABAKA

Jan 14, 2026

OFFICE

AJF

DATE

01/06/2026

DEVELOPED BY

CHARLES HIRST

Digitally signed by

CASIMIR L TABAKA

Jan 14, 2026

OFFICE

AJV-A431

DATE

07/10/2025

APPROVED BY

CASEY HILL

Digitally signed by

CASIMIR L TABAKA

Jan 14, 2026

OFFICE

AJV-A431

DATE

02/12/2026

TITLE

MANAGER

QUALITY  
34  
CHECKED