

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
DEN	ILS OR LOC RWY 16L	4	DENVER	CO	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
5434	5357	ILS OR LOC RWY 16L	07/24/2014	8E	2015
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
I-LTT		19 MARCH 2026	ROUTINE		

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	JAPEE		TF	FB	1.00	135.14	5.01	11500
KIPPR	IAF	HAYLY		TF	FB	1.00	248.52	4.63	12000
HAYLY		JAPEE		TF	FB	1.00	192.50	2.72	11500
JAPEE		JDIZL		TF	FB	1.00	172.51	2.50	10700
JDIZL		JEEPR/I-LTT 18.43 DME/RADAR		TF	FB	1.00	172.51	2.40	10000
KAILE	IAF	BJETN		TF	FB	1.00	106.63	3.02	10500
BJETN		JEEPR/I-LTT 18.43 DME/RADAR		TF	FB	1.00	142.90	2.41	10000
JEEPR/I-LTT 18.43 DME/RADAR	IAF	JOBBO/I-LTT 15.69 DME/RADAR					172.51 (I-LTT)	2.73	10000
JOBBO/I-LTT 15.69 DME/RADAR	IF	KUURT/I-LTT 11.83 DME/RADAR					172.51 (I-LTT)	3.87	9000
KUURT/I-LTT 11.83 DME/RADAR		KIKME/I-LTT 7.97 DME/RADAR					172.51 (I-LTT)	3.84	8000
KIKME/I-LTT 7.97 DME/RADAR		LEETS/I-LTT 4.84 DME/RADAR	PFAF				172.51 (I-LTT)	3.15	7000

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.01 NM AFTER LEETS/I-LTT 4.84 DME/RADAR OR AT I-LTT 0.18 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 10000 ON HEADING 173.00 TO I-LTT 5.32 DME SOUTH OF I-LTT AND DVV VORTAC R-202 TO SIGNE INT/DVV 27.34 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT JEEPR/I-LTT 18.43 DME/RADAR					
3.	FAC:	172.51	PFAF:	LEETS/I-LTT 4.84 DME/RADAR	DIST FAF TO MAP:	5.01
4.	MIN ALT:	JEEPR/I-LTT 18.43 DME/RADAR 10000, JOBBOB/I-LTT 15.69 DME/RADAR 10000, KUURT/I-LTT 11.83 DME/RADAR 9000, KIKME/I-LTT 7.97 DME/RADAR 8000, LEETS/I-LTT 4.84 DME/RADAR 7000				
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	994
6.	MIN GS INCPT:	7000	GS ALT AT PFAF:	LEETS/I-LTT 4.84 DME/RADAR 7000	OM:	MM:
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	55.6
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 NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 16L CAT C/D VISIBILITY TO RVR 4500.
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.
CHART SPEED ICON IN PLANVIEW AT JEEPR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT JOBBOB: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART IN PROFILE I-LTT DME ANTENNA.
HOLD N, RT, 202.38 INBOUND.
FAS OBST: 5407 AAO 395754N/1044027W.
CHART VDP AT 0.58 DME.
DISTANCE VDP TO THLD 0.75 NM.
CHART MANDATORY 13000 AT TSHNR.
CHART MANDATORY 12000 AT KIPPR.
CHART MANDATORY 10000 AT JEEPR.
CHART MANDATORY 11000 AT KAILE.
CHART MANDATORY 10000 AT JOBBOB.

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 16L	5557	1800	200	5557	1800	200	5557	1800	200	5557	1800	200			
S-LOC 16L	5660	2400	303	5660	2400	303	5660	2400	303	5660	2400	303			

QUALITY
37
CHECKED

CHANGES - REASONS

1. ADDED RNP 1.00 TO SEGMENTS TSHNR-JAPEE, KIPPR-HAYLY, HAYLY-JAPEE, JAPEE-JDIZL, JDIZL-JEEPR, KAILE-BJETN, AND BJETN-JEEPR IN TERMINAL ROUTES - REQUIRED FOR RNAV LEGS PER 8260.19J PARA. 8-6-4A(6)(B).
2. ADDED FB (FLY BY) TO SEGMENTS HAYLY-JAPEE, JDIZL-JEEPR, AND BJETN-JEEPR IN TERMINAL ROUTES - REQUIRED FOR RNAV LEGS PER 8260.19J PARA. 8-6-4A(6)(A).
3. REMOVED TF FROM LEG TYPE COLUMN FOR SEGMENTS JEEPR-JOBBOB, JOBOB-KUURT, KUURT-KIKME, AND KIKME-LEETS - RNAV LEG TYPE NOT USED ON CONVENTIONAL SEGMENTS.
4. CHANGED DISTANCE FROM KIKME TO PFAF LEETS FROM 3.15 TO 3.13 - PFAF MOVED 86 FT NORTH.
5. REPLACED PRIMARY MISSED APPROACH FROM "CLIMB TO 5900 THEN CLIMBING RIGHT TURN TO 12000 ON HEADING 218 AND ON FQF VORTAC R-254 TO BREWS/FQF 26.02 DME AND HOLD" WITH "CLIMB TO 10000 ON HEADING 173.00 TO I-LTT 5.32 DME SOUTH OF I-LTT AND DVV VORTAC R-202 TO SIGNE INT/DVV 27.34 DME AND HOLD" - REQUESTED BY ATC/FPT TO MEET TRIPLE WIDELY SPACED SIMULTANEOUS INDEPENDENT PARALLEL INSTRUMENT APPROACH (SIPIA) OPERATIONS CRITERIA.
6. REMOVED ALTERNATE MISSED APPROACH - NO LONGER REQUIRED PER ATC/FPT.
7. PROFILE LINE 7: CHANGED TCH FROM 60.1 TO NEW DESIGN TCH 55.6 - PER UPDATED AIRNAV DATA.
8. PFAF LEETS MOVED NORTH 86 FT - RESULT OF TCH CHANGE.
9. CHANGED FAF DESCRIPTION FROM LEETS/I-LTT 4.82 DME/RADAR TO LEETS/I-LTT 4.84 DME/RADAR IN PROFILE LINES 3 AND 4, AND DIST FAF TO MAP/THLD FROM 4.99 TO 5.01 IN PROFILE LINE 3 - RESULT OF PFAF RELOCATION.
10. REMOVED PROFILE NOTE "LOC ONLY" AND ASSOCIATED ASTERISKS FROM STEPDOWN FIX LUWEE/I-LTT 1.13 DME/RADAR AND VDP AT I-LTT 0.58 DME - NO LONGER REQUIRED BY CRITERIA.
11. PROFILE LINE 8: CHANGED MSA ORIGIN FROM DEN VOR/DME TO DVV VORTAC AND LOWERED ALTITUDE FROM 9200 TO 8100 - DEN VOR/DME SCHEDULED FOR DECOMMISSIONING AT A FUTURE DATE.
12. ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS. FROM KAILE, KIPPR OR TSHNR." - REQUIRED FOR RNAV INITIAL SEGMENTS PER 8260.19J PARA. 8-6-8D(5)(A)1.
13. ADDED EQUIPMENT REQUIREMENTS NOTE "DME OR RADAR REQUIRED." - DME REQUIRED TO FLY INTERMEDIATE SEGMENT AND MISSED APPROACH AND RADAR IS AVAILABLE PER 8260.19J PARA. 8-6-9A(2)(A) AND (3)(B).
14. REMOVED NOTES "DME REQUIRED", "S-LOC 16L DME OR RADAR REQUIRED" AND PLANVIEW NOTE "RADAR OR GPS REQUIRED" - REPLACED WITH PBN AND EQUIPMENT REQUIREMENTS NOTES.
15. CHANGED PROFILE NOTE FROM "VGSI AND ILS GLIDEPATH NOT COINCIDENT" TO "VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - PER 8260.19J PARA. 8-6-10M(1).
16. CHANGED NOTE "FOR INOPERATIVE MALSR, INCREASE S-LOC CAT C/D VISIBILITY TO RVR 4500" TO "FOR INOPERATIVE ALS, INCREASE S-LOC CAT C/D VISIBILITY TO RVR 4500" - PER 8260.19J PARA. 8-6-12O(3)(D).
17. REMOVED "CHART PLANVIEW NOTES AT TSHNR 210 KIAS, AT KIPPR 210 KIAS", AND "AT KAILE 210 KIAS" - REPLACED BY CHART SPEED ICON IN PLANVIEW NOTES.
18. REMOVED "CHART SPEED ICON IN PLANVIEW NOTES AT HAYLY, JAPEE, JDIZL, BJETN, JEEPR, JOBOB, KUURT, AND KIKME: MAX 210 KIAS" - REDUNDANT AND NOT REQUIRED.
19. REMOVED "CHART LOC RWY 17L AND 17R" FROM ADDITIONAL FLIGHT DATA - NO LONGER A CHARTING SPECIFICATION.
20. CHANGED MISSED HOLDING FROM "HOLD E, RT, 254.46 INBOUND" TO "HOLD N, RT, 202.38 INBOUND" IN ADDITIONAL FLIGHT DATA - MISSED APPROACH CLEARANCE LIMIT CHANGED FROM BREWS TO SIGNE AND HOLDING RADIAL ORIGINATING NAVAID CHANGED FROM FQF VORTAC TO DVV VORTAC.
21. CHANGED FAS OBST FROM 5399 TREE 395427N/1044058W TO 5407 AAO 395754N/1044027W IN ADDITIONAL FLIGHT DATA - REMOVAL OF STEPDOWN SEGMENT DEFAULTED TO FINAL SEGMENT OBSTACLE BECOMING NEW CONTROLLER.
22. REMOVED "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE BREWS/DEN 25.87 DME, LT, 240.68 INBOUND" AND "CHART IN PLANVIEW: BREWS/DEN 25.87 DME" FROM ADDITIONAL FLIGHT DATA - ALTERNATE MISSED APPROACH REMOVED.
23. CHANGED LOC MISSED APPROACH POINT DESCRIPTION FROM "4.99 NM AFTER LEETS/I-LTT 4.82 DME/RADAR OR AT I-LTT 0.18 DME" TO "5.01 NM AFTER LEETS/I-LTT 4.84 DME/RADAR OR AT I-LTT 0.18 DME" - RESULT OF PFAF RELOCATION 86 FT NORTH.
24. MOVED FIX BJETN 199 FT NORTHWEST - MOVED TO LENGTHEN BJETN TO JEEPR SEGMENT TO SUPPORT ATC VECTORS.
25. REMOVED LOC STEPDOWN FIX LUWEE/I-LTT 1.13 DME/RADAR FROM TERMINAL ROUTES AND REMOVED LUWEE/I-LTT 1.13 DME/RADAR 5820 FROM PROFILE LINE 4 - NEW LOWER CONTROLLING OBSTACLE IN LOC FINAL ALLOWED REMOVAL WHILE STILL MAINTAINING CURRENT MDA/HAT 5660/303. COORDINATED WITH WESTERN FPT.
26. CHANGED NOTE "SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L/R" TO "SIMULTANEOUS APPROACH AUTHORIZED" - PER 8260.19K PARA. 8-6-12O(8)(A).
27. ADDED IAF IN FIX TYPE COLUMN FOR JEEPR/I-LTT 18.43 DME/RADAR IN TERMINAL ROUTES - PREVIOUSLY OMITTED AND PER 8260.19K PARA. 8-6-4A(1).

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER: ZDV, DEN ATCT, DEN APP CON, CO AERO, AMGR

FLIGHT CHECKED BY

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Jan 16, 2026

OFFICE

AJF

DATE

12/18/2025

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TITLE

MANAGER

