

**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> DEN	<u>PROCEDURE NAME</u> ILS OR LOC RWY 34R ILS RWY 34R (SA CAT I) ILS RWY 34R (CAT II) ILS RWY 34R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> DENVER	<u>STATE</u> CO		
<u>AIRPORT ELEVATION</u> 5434	<u>TDZE</u> 5354	<u>SUPERSEDED</u> ILS OR LOC RWY 34R ILS RWY 34R (SA CAT I) ILS RWY 34R (CAT II) ILS RWY 34R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 3A	<u>DATED</u> 12/11/2014	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-OUF	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MARCH 2026	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
BOSSS	IAF	PAAAS		TF	FB	1.00	279.35	3.30	12000
PAAAS		BREKK		TF	FB	1.00	321.66	3.13	11000
LDORA	IAF	FLUFF		TF	FB	1.00	063.75	3.13	12000
FLUFF		BREKK		TF	FB	1.00	018.38	3.37	11000
BREKK		BFREE/I-OUF 24.61 DME/RADAR		TF	FB	1.00	352.51	3.75	10000
TELLR	IAF	BHAPY		TF	FB	1.00	060.13	2.24	10500
BHAPY		BFREE/I-OUF 24.61 DME/RADAR		TF	FB	1.00	018.49	2.72	10000
BFREE/I-OUF 24.61 DME/RADAR		BOOBU/I-OUF 21.97 DME/RADAR					352.51 (I-OUF)	2.64	10000
BOOBU/I-OUF 21.97 DME/RADAR	IF	BENGL/I-OUF 18.73 DME/RADAR					352.51 (I-OUF)	3.24	10000
BENGL/I-OUF 18.73 DME/RADAR		BOENG/I-OUF 14.00 DME/RADAR					352.51 (I-OUF)	4.73	9000
BOENG/I-OUF 14.00 DME/RADAR		CORDE/I-OUF 7.13 DME/RADAR					352.51 (I-OUF)	6.86	7000

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.98 NM AFTER CORDE/I-OUF 7.13 DME/RADAR OR AT I-OUF 2.15 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 10000 ON HEADING 353 TO I-OUF 3.30 DME NORTH OF I-OUF AND ON DVV VORTAC R-314 TO NIWOT INT/DVV 27.63 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
34
CHECKED

STATE
CO

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)	
2.	PROFILE STARTS AT BOOBU/I-OUF 21.97 DME/RADAR						
3.	FAC:	352.51	FAF:	CORDE/I-OUF 7.13 DME/RADAR	DIST FAF TO MAP:	5.00	DIST FAF TO THLD: 5.00
4.	MIN ALT:	BOOBU/I-OUF 21.97 DME/RADAR 10000, BENGL/I-OUF 18.73 DME/RADAR 10000, BOENG/I-OUF 14.00 DME/RADAR 9000, CORDE/I-OUF 7.13 DME/RADAR 7000, CADKO/I-OUF 4.15 DME/RADAR 6040					
5.	DIST TO THLD FROM OM:	MM:	IM:	859.00	100 HAT:	861.00	150 HAT: 1810.00 GS ANT: 1071
6.	MIN GS INCPT:	7000	GS ALT AT PFAF:	CORDE/I-OUF 7.13 DME/RADAR 7000			OM:
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	55.0	IM: 5457
8.	MSA FROM:	DVV VORTAC 8100					

HOLD SE, RT, 314.00 INBOUND.
CHART FAS OBST: 5478 TOWER (08-000817) 395104N/1044057W.
CHART VDP AT 3.04 DME.
DISTANCE VDP TO THLD 0.89 NM.
CHART MANDATORY 12000 AT BOSS.
CHART MANDATORY 13000 AT LDORA.
CHART MANDATORY 11000 AT TELLR.
CHART MANDATORY 10000 AT BFREE.



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 34R	5554	1800	200	5554	1800	200	5554	1800	200	5554	1800	200			
S-LOC 34R	5720	2400	366	5720	2400	366	5720	3000	366	5720	3000	366			

CHANGES - REASONS

1. MISSED APPROACH INSTRUCTIONS UPDATED FROM CLIMB TO 5800 THEN CLIMBING LEFT TURN TO 10000 ON HEADING 270 AND ON FQF VORTAC R-306 TO HYGEN/FQF 37.90 DME/RADAR AND HOLD, OR AS DIRECTED BY ATC TO CLIMB TO 10000 ON HEADING 353 TO I-OUF /2.65 DME AND DVV VORTAC R-308 AND ON BJC VOR/DME R-001 TO LPORT/BJC 41.03 DME AND HOLD - ATC REQUEST FOR AIRSPACE AND TRAFFIC.
2. ALTERNATE MA REMOVED ALTERNATE MISSED - ATC REQUEST NO LONGER NEEDED.
3. PROFILE LINE 2 CHANGED FROM PROFILE STARTS AT BFREE/I-QUF 24.61 DME/RADAR TO PROFILE STARTS AT BOOBU/I-OUF 21.97 DME/RADAR - IAW 8260.19J 8-6-7 B 3.
4. PROFILE LINE 3 UPDATED DIST FAF TO MAP AND DIST FAF TO THLD FROM 4.98 TO 5.00
5. PROFILE LINE 7 TCH CHANGED FROM 58.5 TO 55.0 - UPDATED TO DESIGN TCH
6. PROFILE LINE 8 MSA UPDATED FROM DEN VOR/DME 9200 TO DVV VORTAC 8100 - DEN TO BE DECOMISSIONED.
7. PROFILE LINE 4 REMOVED * FROM CADKO/I-OUF 4.15 DME/RADAR 6060 - NO LONGER REQUIRED.
8. NOTES UPDATED FROM CHART PLANVIEW NOTE AT LDORA: 210 KIAS, CHART PLANVIEW NOTE AT TELLR: 210 KIAS TO CHART SPEED ICON IN PLANVIEW AT BOSSS: MAX 210 KIAS, CHART SPEED ICON IN PLANVIEW AT LDORA: MAX 210 KIAS, CHART SPEED ICON IN PLANVIEW AT TELLR: MAX 210 KIAS - UPDATED FORMATTING.
9. ADDITIONAL FLIGHT DATA MISSED HOLDING CHANGED FROM HOLD SE, RT, 306.00 INBOUND TO HOLD N, LT, 181.02 INBOUND - NEW MISSED HOLD CLEARANCE LIMIT.
10. ADDITIONAL FLIGHT DATA REMOVED CHART IN PLAN VIEW: ALTERNATE MA HOLDING, HOLD SE HYGEN/DEN 31.49 DME/RADAR, RT, 302.30 INBOUND - ALTERNATE NO LONGER REQUIRED.
11. ADDITIONAL FLIGHT DATA REMOVED * LOC ONLY - NO LONGER EQUIRED.
12. MINIMUMS UPDATED S-LOC 34R FROM 5700/346 ALL CATS TO 5720/366 ALL CATS - NEW CONTROLLING OBSTACLE.
13. TERMINAL ROUTES UPDATED DISTANCE FROM BOENG TO CORDE FROM 6.87 TO 6.86 - FIX CORDE MOVED DUE TO DESIGN TCH.
14. PBN REQUIREMENT NOTES ADDED RNP APCH-GPS. FROM LDORA, BOSSS, TELLR - IAW 8260.19K 4-5-2 D 2
15. NOTES UPDATED CHART PLANVIEW NOTE: GPS OR RADAR REQUIRED MOVED TO EQUIPMENT REQUIREMENTS NOTES DME OR RADAR REQUIRED - IAW 8260.19K 8-3-4 B 6
16. NOTES REMOVED CHART NOTE: S-LOC 34R DME OR RADAR REQUIRED - NO LONGER REQUIRED.
17. NOTES UPDATED FROM CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS ALL CAT VISIBILITY TO RVR 4000 TO CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC CAT C AND D VISIBILITY TO RVR 5500 - NEW CONTROLLING OBSTACLE.
18. NOTES CHANGED FROM SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34R: CAT A, B, C, D, RA 175, RVR 1400, HAT 150, DA 5504 MSL TO SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34R: CAT A, B, C, D, RA 179, RVR 1400, HAT 150, DA 5504 MSL - NEW TERRAIN HEIGHT.
19. NOTES CHANGED CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34R: CAT A, B, C, D, RA 115, RVR 1200, HAT 100, DA 5454 MSL TO CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34R: CAT A, B, C, D, RA 110, RVR 1200, HAT 100, DA 5454 MSL - NEW TERRAIN HEIGHT.

- 10/08/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/16/25.
1. MISSED APPROACH INSTRUCTIONS CHANGED FROM CLIMB TO 10000 ON HEADING 353 TO I-OUF 2.65 DME AND DVV VORTAC R-308 AND ON BJC VOR/DME R-001 TO LPORT AND HOLD TO CLIMB TO 10000 ON HEADING 353 TO I-OUF 3.30 DME NORTH OF I-OUF AND ON DVV VORTAC R-314 TO NIWOT INT/DVV 27.63 DME AND HOLD.
 2. PROFILE LINE 5 ADDED 100 HAT 861.00 AND 150 HAT 1810.00
 3. PROFILE LINE 6 ADDED IM 5457
 4. ADDITIONAL FLIGHT DATA REMOVED CHART LOC RWY 35L/R



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZDV, DEN ATCT, DEN APP CON, CO AERO, AMGR , ATA

FLIGHT CHECKED BY
NATHAN J CHOTT

Digitally signed by
ROBERT G HAMILTON
Jan 14, 2026

<u>OFFICE</u>	<u>DATE</u>
AJF	12/16/2025

DEVELOPED BY
JOSHUA DUGAN

Digitally signed by
ROBERT G HAMILTON
Jan 14, 2026

<u>OFFICE</u>	<u>DATE</u>
AJV-A433	07/16/2025

APPROVED BY
ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
Jan 14, 2026

<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
AJV-A433	02/12/2026	MANAGER

