

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> KDEN	<u>PROCEDURE NAME</u> ILS OR LOC RWY 34L ILS RWY 34L (SA CAT I), ILS RWY 34L (CAT II), ILS RWY 34L (CAT III)	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> DENVER	<u>STATE</u> CO		
<u>AIRPORT ELEVATION</u> 5434	<u>TDZE</u> 5327	<u>SUPERSEDED</u> ILS OR LOC RWY 34L ILS RWY 34L (CAT II), ILS RWY 34L (CAT III)	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 12/11/2014	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-DXU	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<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		AJAKS		TF	FB	1.00	315.30	3.37	11000
LDORA	IAF	FLUFF		TF	FB	1.00	063.75	3.13	12000
FLUFF		AJAKS		TF	FB	1.00	011.49	3.20	11000
AJAKS		COGGG/I-DXU 24.81 DME/RADAR		TF	FB	1.00	352.51	3.48	10000
TELLR	IAF	ALPNE		TF	FB	1.00	048.74	2.17	10500
ALPNE		COGGG/I-DXU 24.81 DME/RADAR		TF	FB	1.00	022.04	2.08	10000
COGGG/I-DXU 24.81 DME/RADAR		KALHR/I-DXU 21.90 DME/RADAR					352.51	2.91 (I-DXU)	10000
KALHR/I-DXU 21.90 DME/RADAR	IF	MERKL/I-DXU 18.66 DME/RADAR					352.51	3.24 (I-DXU)	10000
MERKL/I-DXU 18.66 DME/RADAR		RNOLD/I-DXU 14.59 DME/RADAR					352.51	4.08 (I-DXU)	9000
RNOLD/I-DXU 14.59 DME/RADAR		WINTR INT/I-DXU 7.91 DME/RADAR					352.51	6.68	7000



AIRPORT ID
KDEN

PROCEDURE NAME
ILS OR LOC RWY 34L
ILS RWY 34L (SA CAT I),
ILS RWY 34L (CAT II),
ILS RWY 34L (CAT III)

ORIGINAL/AMENDMENT
2C

CITY
DENVER

STATE
CO

MISSED APPROACH

MAP:

ILS: DA

LOC: 5.10 NM AFTER WINTR INT/I-DXU 7.91 DME/RADAR OR AT I-DXU 2.81 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5800 THEN CLIMBING LEFT TURN TO 10000 ON HEADING 270 AND FQF VORTAC R-306 TO HYGEN/FQF 37.90 DME/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 5800 THEN CLIMBING LEFT TURN TO 10000 ON HEADING 270 AND DEN VOR/DME R-302 TO HYGEN/DEN 31.49 DME/RADAR AND HOLD

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT KALHR

3. FAC: 352.51 FAF: WINTR INT/I-DXU 7.91 DME/RADAR DIST FAF TO MAP: 5.10 DIST FAF TO THLD: 5.10

4. MIN ALT: KALHR/I-DXU 21.90 DME/RADAR 10000, MERKL/I-DXU 18.66 DME/RADAR 10000, RNOLD/I-DXU 14.59 DME/RADAR 9000, WINTR INT/I-DXU 7.91 DME/RADAR 7000, WOGIN/I-DXU 5.01 DME/RADAR 6040

5. DIST TO THLD FROM OM: MM: IM: 860 100 HAT: 954 150 HAT: 1908 GS ANT: 1090

6. MIN GS INCPT: 7000 GS ALT AT FAF : WINTR INT/I-DXU 7.91 DME/RADAR 7000 OM: MM: IM: 5422

7. GP ANGLE: 3.00 34:1: 20:1: TCH: 50.0

8. MSA FROM: DEN VOR/DME 9200

EQUIPMENT REQUIREMENTS NOTES:

RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY.
FROM LDORA, BOSSS, TELLR: RNAV 1-GPS REQUIRED.
DME OR RADAR REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34L: CAT A, B, C, D, RA 148, RVR 1400, HAT 150, DA 5477 MSL.
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34L: CAT A, B, C, D, RA 108, RVR 1200, HAT 100, DA 5427 MSL.
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34L: CAT A, B, C, D, RVR 300
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
SA CAT 1 CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L/R
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC CAT C AND D VISIBILITY TO RVR 5500.
CHART PLANVIEW NOTE AT LDORA: 210 KIAS
CHART PLANVIEW NOTE AT BOSSS: 210 KIAS
CHART PLANVIEW NOTE AT TELLR: 210 KIAS

QUALITY
20
CHECKED

ADDITIONAL FLIGHT DATA:

MANDATORY 12000 AT BOSS
MANDATORY 13000 AT LDORA
MANDATORY 11000 AT TELLR
MANDATORY 10000 AT COGGG
MANDATORY 10000 AT MERKL
CHART LOC RWY 35L/R
HOLD SE, RT, 306.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE HYGEN/DEN 31.49 DME/RADAR, RT, 302.30 INBOUND.
CHART FAS OBST: 5437 TERRAIN (08-043146) 394937N/1044128W.
CHART 5440 POLE 394828N/1044120W.
CHART VDP AT 3.76 DME
DISTANCE VDP TO THLD 0.95 NM.
CHART IN PLANVIEW: HYGEN/DEN 31.49 DME/RADAR.

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 34L	5527	1800	200	5527	1800	200	5527	1800	200	5527	1800	200			
S-LOC 34L	5700	2400	373	5700	2400	373	5700	3500	373	5700	3500	373			

CHANGES - REASONS

1. INCORPORATED P-NOTAM FDC 2/6120 FOR 2B - 8260.19I 8-6-8A.
2. ADDED RNAV LEG TYPES TO TERMINAL ROUTES - UPDATED FORMATTING.
3. CHANGED MISSED APPROACH INSTRUCTIONS 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 TO CLIMB TO 5800 THEN CLIMBING LEFT TURN TO 10000 ON HEADING 270 AND FQF VORTAC R-306 TO HYGEN/FQF 37.90 DME/RADAR AND HOLD 8260-19I 8-6-6(D)2.
4. CHANGED ALTERNATE MISSED APPROACH FROM CLIMB TO 5800 THEN CLIMBING LEFT TURN TO 10000 ON HEADING 270 AND ON DEN VOR/DME R-302 TO HYGEN/DEN 31.49 DME/RADAR AND HOLD TO CLIMB TO 5800 THEN CLIMBING LEFT TURN TO 10000 ON HEADING 270 AND DEN VOR/DME R-302 TO HYGEN/DEN 31.49 DME/RADAR AND HOLD - 8260.19I 8-6-6(D)2.
5. PROFILE VIEW LINE 4 - ADDED NAVAID AND DME DISTANCES TO ALL FIXES AND REMOVED * - 8260-19I 8-6-7(D)2 AND NEW FORMATTING.
6. EQUIPMENT REQUIREMENT NOTES: REMOVED FROM NOTES CHART PLANVIEW NOTE RADAR OR GPS REQUIRED AND ADDED TO EQUIPMENT NOTES RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY AND FROM LDORA, BOSS, TELLR: RNAV 1-GPS REQUIRED - 8260.19I 8-6-8(B)4(B) AND 8260.58B 1-2-4(C).
7. CHANGED NOTE FROM CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34L: CAT IIIA CAT A, B, C, D, RVR 700. CAT IIIB CAT A,B,C,D, RVR 300. CAT IIIC NA TO CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34L: CAT A, B, C, D, RVR 300 - 8260-19I 8-6-11(M)5.
8. CHANGED CHART PROFILE NOTE: FROM "VGSI AND ILS GLIDEPATH NOT COINCIDENT" TO "CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH (FEET)). - 8260.19I, 8-6-9(M)1.
9. CHANGED NOTE: FROM SA CAT 1 CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DA TO SA CAT 1 CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL - 8-6-11(M)1.
10. NOTES: CHANGED CHART NOTE FROM FOR INOPERATIVE ALSF, INCREASE S-LOC CAT C/D VISIBILITY TO RVR 5500 TO FOR INOPERATIVE ALS, INCREASE S-LOC CAT C AND D VISIBILITY TO RVR 5500 - 8260.19I 8-6-11(O)3(D).
11. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM 5417 LT POLE 395016N/1044202W TO CHART FAS 5437 TERRAIN (08-043146) 394937N/1044128W - NEW EVALUATION AND CONTROLLING OBSTACLE.
12. ADDITIONAL FLIGHT DATA: ADDED CHART 5440 POLE 394858N/104120W - UTILIZED 7:1 IN STEPDOWN WOGIN TO RW34L.
13. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP AT FROM 3.70 DME TO 3.76 AND DISTANCE VDP TO THLD FROM 0.89 MILES TO 0.95 NM - VDP PUBLISHABLE, NEW EVALUATION AND NEW LOC MDA.
14. ADDITIONAL FLIGHT DATA: REMOVED *LOC ONLY - NO LONGER REQUIRED IAW 8260.19I 8-6-10(M).
15. ADDITIONAL FLIGHT DATA: ADDED CHART IN PLANVIEW: HYGEN/DEN 31.49 DME/RADAR - 8260.19I 8-6-6(H)2
16. CHANGED S-LOC 34L MDA/HAT ALL CATS FROM 5680/353 TO 5700/373, UPDATED VISIBILITY CATS C AND D FROM 3000 TO 3500 - 8260.3D TABLES 3-3-1, 3-3-3, AND 3-3-4, NEW EVALUATION AND NEW CONTROLLING OBSTACLE IN STEPDOWN, CANCELS T-NOTAM FDC 9/7216.

AIRPORT ID
KDEN

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ILS OR LOC RWY 34L
ILS RWY 34L (SA CAT I),
ILS RWY 34L (CAT II),
ILS RWY 34L (CAT III)

ORIGINAL/AMENDMENT
2C

CITY
DENVER

STATE
CO

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-1000) MEMO, DATED JUNE 4, 2020,
SUBJECT: FLIGHT INSPECTION OF NEW CONTROLLING OBSTACLES.

DEVELOPED BY

JASON KRETSCHMER (RAYMOND JOHNSON)

Digitally signed by

JASON KRETSCHMER

Jul 12, 2021

Digitally signed by

JASON KRETSCHMER

Jul 12, 2021

OFFICE

Digitally signed by

DATE

JASON KRETSCHMER

Jul 12, 2021

OFFICE

DATE

05/14/2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

APPROVED BY

MARLON ROBINSON

QUALITY
20
CHECKED