

**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SUPERSEDED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>	<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>
BOSS	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:**



**AIRPORT ID**  
DEN

**PROCEDURE NAME**  
ILS OR LOC RWY 34R  
ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

**ORIGINAL/AMENDMENT**  
4

**CITY**  
DENVER

**STATE**  
CO

**PROFILE:**

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

**PBN REQUIREMENTS NOTE:**

RNP APCH-GPS. FROM LDORA, BOSSS, TELLR.

**EQUIPMENT REQUIREMENTS NOTES:**

DME OR RADAR REQUIRED.

**NOTES:**

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  
 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  
 CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34R: CAT A, B, C, D, RVR 300  
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 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.  
 SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.  
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC CAT C AND D VISIBILITY TO RVR 5500

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.

**ADDITIONAL FLIGHT DATA:**

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 BOSSS.  
 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 DECOMMISSIONED.
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 BOSS: 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, BOSS, 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



AIRPORT ID  
DEN

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

ORIGINAL/AMENDMENT  
4

CITY  
DENVER

STATE  
CO

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

OFFICE

AJF

DATE

12/16/2025

DEVELOPED BY

JOSHUA DUGAN

*Digitally signed by*

**ROBERT G HAMILTON**

Jan 14, 2026

OFFICE

AJV-A433

DATE

07/16/2025

APPROVED BY

ROBERT G HAMILTON

*Digitally signed by*

**ROBERT G HAMILTON**

Jan 14, 2026

OFFICE

AJV-A433

DATE

02/12/2026

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<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>AMDT NO.</u> 4	<u>CITY</u> DENVER	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 5434	<u>FACILITY</u> I-OUF
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**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**

**FROM** BOSSS **TO** PAAAS

<u>RNP</u> 1.00	<u>DISTANCE</u> 3.30	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392100.00N/1043948.00W	7018	215	8	4B	1000				AT3982	12000
TERRAIN	392057.00N/1043948.00W	6817 (6800)								AS1500	8300

**COMPUTATIONS**

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**

**INITIAL: STEPDOWN**

**FROM** PAAAS **TO** BREKK

<u>RNP</u> 1.00	<u>DISTANCE</u> 3.13	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (08-000111)	392514.36N/1043916.84W	7049	50	20	2C	1000				AT2951	11000
TERRAIN	392545.00N/1043933.00W	6738 (6700)								AS1500	8200

**COMPUTATIONS**

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**



**AIRPORT ID**  
DEN

**PROCEDURE NAME**  
ILS OR LOC RWY 34R  
ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

**AMDT NO.**  
4

**CITY**  
DENVER

**STATE**  
CO

**AIRPORT ELEVATION**  
5434

**FACILITY**  
I-OUF

**INITIAL**

**FROM**  
LDORA

**TO**  
FLUFF

**RNP**  
1.00

**DISTANCE**  
3.13

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	391736.00N/1044815.00W	7153	215	8	4B	1000				AT3847	12000
TERRAIN	391809.00N/1044427.00W	6788 (6800)								AS1500	8300

**COMPUTATIONS**

**ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**INITIAL: STEPDOWN**

**FROM**  
FLUFF

**TO**  
BREKK

**RNP**  
1.00

**DISTANCE**  
3.37

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (08-000111)	392514.36N/1043916.84W	7049	50	20	2C	1000				AT2951	11000
TERRAIN	392009.00N/1043954.00W	6820 (6800)								AS1500	8300

**COMPUTATIONS**

**ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



**AIRPORT ID**  
DEN

**PROCEDURE NAME**  
ILS OR LOC RWY 34R  
ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

**AMDT NO.**  
4

**CITY**  
DENVER

**STATE**  
CO

**AIRPORT ELEVATION**  
5434

**FACILITY**  
I-OUF

**INITIAL: STEPDOWN**

**FROM**  
BREKK

**TO**  
BFREE/I-OUF 24.61 DME/RADAR

**RNP**  
1.00

**DISTANCE**  
3.75

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (08-000111)	392514.36N/1043916.84W	7049	50	20	2C	1000				AT1951	10000
TERRAIN	392545.00N/1043933.00W	6738 (6700)								AS1500	8200

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**INITIAL**

**FROM**  
TELLR

**TO**  
BHAPY

**RNP**  
1.00

**DISTANCE**  
2.24

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	392609.00N/1044042.00W	6782	215	8	4B	1000				AT2718	10500
TERRAIN	392527.00N/1044124.00W	6512 (6500)								AS1500	8000

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



**AIRPORT ID**  
DEN

**PROCEDURE NAME**  
ILS OR LOC RWY 34R  
ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

**AMDT NO.**  
4

**CITY**  
DENVER

**STATE**  
CO

**AIRPORT ELEVATION**  
5434

**FACILITY**  
I-OUF

**INITIAL: STEPDOWN**

**FROM**  
BHAPY

**TO**  
BFREE/I-OUF 24.61 DME/RADAR

**RNP** 1.00      **DISTANCE** 2.72      **PAT**      **MAP**      **HAT**      **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392709.00N/1044042.00W	6844	215	8	4B	1000				AT2156	10000
TERRAIN	392709.00N/1044042.00W	6643 (6600)								AS1500	8100

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**INITIAL: STEPDOWN**

**FROM**  
BFREE/I-OUF 24.61 DME/RADAR

**TO**  
BOOBU/I-OUF 21.97 DME/RADAR

**RNP**      **DISTANCE** 2.64      **PAT**      **MAP**      **HAT**      **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392806.00N/1044009.00W	6723	215	8	4B	1000				AT2277	10000
TERRAIN	392903.00N/1043933.00W	6446 (6400)								AS1500	7900

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**









**AIRPORT ID**  
DEN

**PROCEDURE NAME**  
ILS OR LOC RWY 34R  
ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

**AMDT NO.**  
4

**CITY**  
DENVER

**STATE**  
CO

**AIRPORT ELEVATION**  
5434

**FACILITY**  
I-OUF

**FINAL: ILS SA CAT I**

**FROM**  
CORDE/I-OUF 7.13 DME/RADAR

**TO**  
RW34R

**RNP**

**DISTANCE**  
5.00

**PAT**

**MAP**  
DA

**HAT**  
150

**HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				5504

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**FINAL: ILS CAT II**

**FROM**  
CORDE/I-OUF 7.13 DME/RADAR

**TO**  
DA

**RNP**

**DISTANCE**  
5.00

**PAT**

**MAP**  
DA

**HAT**  
100

**HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				5454

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



**AIRPORT ID**  
DEN

**PROCEDURE NAME**  
ILS OR LOC RWY 34R  
ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

**AMDT NO.**  
4

**CITY**  
DENVER

**STATE**  
CO

**AIRPORT ELEVATION**  
5434

**FACILITY**  
I-OUF

**MISSED APPROACH: ILS**

**FROM**  
DA

**TO**  
NIWOT INT/DVV 27.63 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
5386

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				10000
TOWER (08-000677)	400547.29N/1045405.94W	6260	20	3	1A	1000					7300
TERRAIN	395306.00N/1044045.00W	5403 (5400)								AS1500	6900

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**MISSED APPROACH: LOC**

**FROM**  
4.98 NM AFTER CORDE/I-OUF 7.13 DME/RADAR OR AT I-OUF 2.15 DME

**TO**  
NIWOT INT/DVV 27.63 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
5454

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				10000
TOWER (08-000677)	400547.29N/1045405.94W	6260	20	3	1A	1000					7300
TERRAIN	395306.00N/1044045.00W	5403 (5400)								AS1500	6900

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



**AIRPORT ID**  
DEN

**PROCEDURE NAME**  
ILS OR LOC RWY 34R  
ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

**AMDT NO.**  
4

**CITY**  
DENVER

**STATE**  
CO

**AIRPORT ELEVATION**  
5434

**FACILITY**  
I-OUF

**MISSED APPROACH: ILS SA CAT I**

**FROM**  
DA

**TO**  
NIWOT INT/DVV 27.63 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				10000
TOWER (08-000677)	400547.29N/1045405.94W	6260	20	3	1A	1000					7300
TERRAIN	395306.00N/1044045.00W	5403 (5400)								AS1500	6900

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**MISSED APPROACH: ILS CAT II**

**FROM**  
DA

**TO**  
NIWOT INT/DVV 27.63 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				10000
TOWER (08-000677)	400547.29N/1045405.94W	6260	20	3	1A	1000					7300
TERRAIN	395306.00N/1044045.00W	5403 (5400)								AS1500	6900

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**CIRCLING**     ALL CATS     CAT A     CAT B     CAT C     CAT D     CAT E     NOT AUTHORIZED



**AIRPORT ID**  
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**PROCEDURE NAME**  
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ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

**AMDT NO.**  
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5434

**FACILITY**  
I-OUF

**MSA**

**CENTER** DVV VORTAC      **RADIUS** 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	394203.00N/1051039.00W	238	28.1	7054	215	8	4B	1000			8100

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

DEN TOWER, ZDV ARTCC, DEN APP CON

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	DEN	24	DEN		Y	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>

**WX REMARKS:**

BACKUP ALTIMETER NOT REQUIRED DUE TO REDUNDANT LOCAL SOURCES.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-OUF	DENVER TRACON	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW07 - MALSR, C/LINE, TDZ, HIRL, PAPI-4R	PIR-G	APPROACH, ROLL OUT
RW08 - MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW16L - MALSR, HIRL, TDZ, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW16R - MALSR, TDZ, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17L - MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17R - MALSR, HIRL, TDZ, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW25 - MALSR, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW26 - MALSR, HIRL, TDZ, C/LINE, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW34L - ALSF-2, TDZ, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW34R - ALSF-2, TDZ, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35L - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35R - ALSF-2, C/LINE, HIRL, TDZ, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT



**AIRPORT ID**  
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**PROCEDURE NAME**  
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ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
ILS RWY 34R (CAT III)

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4

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DENVER

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CO

**AIRPORT ELEVATION**  
5434

**FACILITY**  
I-OUF

**GLIDESLOPE ANGLE**  
3.00

**ELEV RWY THRESHOLD**  
5353.7

**TCH**  
55.0

**ELEV GS ANTENNA**  
5346.4

**DISTANCE FROM RWY**  
1071

**VGSI ANGLE**  
3.00

**TCH**  
63.0

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

**CRITICAL LOW**

**CRITICAL HIGH**

**ACT**

**APT ISA**

**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INITIAL, INTERMEDIATE AND INTERMEDIATE STEPDOWN FIX ALTITUDES AND LOCATIONS PER ATC REQUEST FOR SEPARATION AND AIRSPACE PURPOSES

50 FT VEGETATION PER FPT

WAIVER: ATC VECTOR LEG LENGTH ISSUES; VECTOR ANGLE RESTRICTED AT BOSS AND LDORA TO 45 DEGREES, AT TELLR TO 30 DEGREES.

ORDER 8260.3 CHAPTER 2 APPLIED TO 5817 AAO 394621.00N/1044024.00W.



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ILS RWY 34R (SA CAT I)  
ILS RWY 34R (CAT II)  
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I-OUF

**PART D: AIRSPACE**

**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1000FT POINT</b>	3.66
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1000FT POINT</b>	1.01
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	000.51
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	5600
<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1500FT POINT</b>	13.93
<b>WIDTH OF</b>	<b>INTERMEDIATE</b>	<b>SEGMENT AT 1500FT POINT</b>	5.34
<b>TRUE COURSE OF</b>	<b>INTERMEDIATE</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	000.51
<b>HIGH TERRAIN IN</b>	<b>INTERMEDIATE</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	6300

<b>THRESHOLD COORDINATES (IF STR-IN)</b>	395150.77N/1044113.88W
<b>ARP COORDINATES</b>	395142.00N/1044023.40W
<b>RUNWAY APCH END AND DIST FURTHEST FROM ARP</b>	RUNWAY 7 DISTANCE 2.77 NM
<b>FAF COORDINATES</b>	394650.76N/1044117.34W
<b>FIX NAME COORDINATES</b>	

**REMARKS**

**PART E: PREPARED BY**

<b><u>NAME</u></b>	<b><u>OFFICE</u></b>	<b><u>DATE</u></b>	<b><u>TITLE</u></b>
JOSHUA DUGAN	AJV-A433	07/16/2025	AERONAUTICAL INFORMATION SPECIALIST

