

**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> KCOS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 35L ILS RWY 35L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 40	<u>CITY</u> COLORADO SPRINGS	<u>STATE</u> CO	
<u>AIRPORT ELEVATION</u> 6187	<u>TDZE</u> 6075	<u>SUPERSEDED</u> ILS OR LOC RWY 35L ILS RWY 35L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 39	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 8E
<u>FACILITY</u> I-COS	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 22-10.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DRAKE INT/BRK 22.71 DME CW	IAF	MIDAY INT/BRK 22.71 DME					22.71 DME ARC (BRK LR-176)		8000
PUB VORTAC	IAF	MIDAY INT/BRK 22.71 DME					312.93	21.41	8000
MIDAY INT/BRK 22.71 DME	IF	CO NDB					352.06	7.38 (I-COS)	8000

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.96 NM AFTER CO NDB

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 047 AND BRK VOR/DME R-091 TO ADANE INT/BRK 11.11 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT MIDAY					
3. FAC:	352.06	FAF:	CO NDB	DIST FAF TO MAP:	5.96
				DIST FAF TO THLD:	5.96
4. MIN ALT:	MIDAY INT/BRK 22.71 DME 8000, CO NDB 8000				
5. DIST TO THLD FROM PFAF:	5.96	MM:	IM:	100 HAT:	1502
				150 HAT:	1502
				GS ANT:	916
6. MIN GS INCPT:	8000	GS ALT AT FAF:	GP INTCP	7996	OM:
					MM:
					IM:
7. GP ANGLE:	3.00	34:1:	20:1:	TCH:	51.1
8. MSA FROM:	CO NDB 071-201 8100, 201-341 15300, 341-071 9100				

EQUIPMENT REQUIREMENTS NOTES:

ADF REQUIRED FOR LOC ONLY.



NOTES:

SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 35L: CAT A, B, C, D, RA 123, RVR 1200, HAT 100, DA 6175 MSL.
 CHART NOTE: *RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
 SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PUB VORTAC AIRWAY RADIALS 267 CW 354.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: RADAR MONITORING REQUIRED WHEN R-2601 IN USE.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 35L CAT C/D VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

CHART BRK R-182 AT MIDAY
 HOLD E, LT, 270.80 INBOUND.
 FAS OBST: 6075 R35L THLD 384738N/1044257W.
 CHART AIRBURST X.
 CHART AIRBURST Y.
 CHART AIRBURST Z.
 CHART R-2601 A.
 CHART R-2601 B.
 CHART R-2602.
 CHART BRK R-145 AT DRAKE.
 CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD; LOC: STANDARD - CAT C 800-2 1/4, CAT D 1100-3

CATEGORY:	A			B			C			D			E		
	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 35L*	6275	2400	200	6275	2400	200	6275	2400	200	6275	2400	200			
S-LOC 35L	6340	2400	265	6340	2400	265	6340	2400	265	6340	2400	265			
CIRCLING	6740	1	553	6760	1	573	6980	2 1/4	793	7240	3	1053			



CHANGES - REASONS

1. CHANGED "MIDAY INT/PUB 21.41 DME" TO "MIDAY INT/BRK 22.71 DME" THROUGHOUT FORM - CORRECTED FORWARD FIX DISPLACEMENT ERROR IAW 8260.3E, 2-9-8.A.
2. CHANGED "PETEY LOM" TO "CO NDB" THROUGHOUT FORM - PETEY LOM DECOMMISSIONED, PER ATC/FPT REQUEST.
3. CHANGED ALL ALTITUDES IN TERMINAL ROUTES AND MIN ALTITUDE AT CO NDB ON PROFILE LINE 4 FROM "8100" TO "8000" - PER ATC/FPT REQUEST.
4. FAC CHANGED FROM "352.05" TO "352.06" IN TERMINAL ROUTES AND PROFILE LINE 3 - PETEY LOM DECOMMISSIONED.
5. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 047 AND ON BRK VOR/DME R-091 TO ADANE INT/BRK 11.11 DME AND HOLD" TO "CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 047 AND BRK VOR/DME R-091 TO ADANE INT/BRK 11.11 DME AND HOLD" - IAW 8260.19I, 8-6-6.D(9).
6. DELETED ALTERNATE MISSED APPROACH AND ASSOCIATED DATA IN ADDITIONAL FLIGHT DATA - PER ATC/FPT REQUEST.
7. PROFILE LINE 6: CHANGED MIN GS INCPT FROM "8100" TO "8000" AND ADDED GS ALT AT FAF: GP INCPT 7996 - PER ATC/FPT REQUEST.
8. PROFILE LINE 8: CHANGED 201-341 FROM "15400" TO "15300" - NEW EVALUATION.
9. EQUIPMENT REQUIREMENTS NOTES: ADDED "ADF REQUIRED FOR LOC ONLY" - ADF REQUIRED TO IDENTIFY THE FAF.
10. NOTES: CHANGED "SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN" TO "SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL" - IAW 8260.19I, 8-6-11.M(2).
11. ADDITIONAL FLIGHT DATA: REMOVED "CHART R-2601" AND ADDED "CHART AIRBURST X," "CHART AIRBURST Y," "CHART AIRBURST Z," "CHART R-2601 A," "CHART R-2601 B" AND "CHART R-2602" - IAW 8260.19I, 8-6-10.I.
12. ALTERNATE: CHANGED "ILS: STANDARD CAT B 700-2, CAT C 900-2 1/2, CAT D 1100-3; LOC: STANDARD CAT C 900-2 1/2, CAT D 1100-3" TO "ILS: STANDARD; LOC: STANDARD - CAT C 800-2 1/4, CAT D 1100-3" - IAW 8260.3E, TABLE 3-4-1.
13. MINIMUMS: LOWERED S-LOC 35L MDA/HAT FROM "6540/265" TO "6340/265" - ALTERNATE MISSED APPROACH ADJUSTMENT NOT APPLICABLE, ALTERNATE MISSED APPROACH REMOVED FROM PROCEDURE.
14. MINIMUMS: LOWERED CIRCLING MDA/HAA CAT B/C/D FROM "6800/613," "7040/853," AND "7260/1073" TO "6760/573," "6980/793," AND "7240/953" - NEW SURVEY.
15. MINIMUMS: LOWERED VISIBILITY S-LOC 35L FROM "5000" TO "2400" AND CIRCLING CAT C FROM "2 1/2" TO "2 1/4" - IAW 8260.3E, TABLE 3-3-1.

04/04/2022: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/08/2022.

1. ADDED "100 HAT: 1502" TO PROFILE LINE 6.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDV, SPRINGS APP CON, AMGR

FLIGHT CHECKED BY
GARY JOHN VEER

Digitally signed by
DONALD H LANIER
Apr 04, 2022

OFFICE
FIOG

DATE
03/01/2022

DEVELOPED BY
JASON KRETSCHMER (KARNA MORE)

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DONALD H LANIER
Apr 04, 2022

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DATE
12/29/2021

APPROVED BY
MARLON ROBINSON

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DONALD H LANIER
Apr 04, 2022

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DATE

TITLE
MANAGER

