

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, 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 in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH									
FROM				TO			COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.96 MILES AFTER PETEY LOM										
DRAKE INT/BRK 22.71 DME CW (IAF)				MIDAY INT/PUB 21.41 DME			22.71 DME ARC (BRK LR-176)				8100		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, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 112 AND ON PUB VORTAC R-354 TO DRAKE INT/PUB 18.74 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 270.80 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N DRAKE INT/PUB 18.74 DME, RT, 174.19 INBOUND. FAS OBST: 6075 R35L THLD 384738N/1044257W CHART R-2601. CHART BRK R-145 AT DRAKE. CHART BRK R-182 AT MIDAY CHART CIRCLING ICON.										
PUB VORTAC (IAF)				MIDAY INT/PUB 21.41 DME			312.93 / 21.41				8100												
MIDAY INT/PUB 21.41 DME (IF)				PETEY LOM			351.05 / 7.38 (I-COS)				8100												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 9E EPOCH YEAR: 2010									
2. PROFILE STARTS AT MIDAY																							
3. FAC: 351.05 FAF: PETEY LOM DIST FAF TO MAP: 5.96 THLD: 5.96																							
4. MIN. ALT: MIDAY 8100, PETEY LOM 8100																							
5. DIST TO THLD FROM OM: 5.96 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: -																							
6. MIN GS INCPT: 8100 GS ALT AT: - OM: 8032 MM: - IM: -																							
7. GS ANGLE: 3.00 TCH: 55.1																							
8. MSA FROM: CO LOM 070-200 8100, 200-340 15400, 340-070 9100																							
MINIMUMS																							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: STANDARD # LOC: STANDARD @													
CATEGORY =====>		A			B			C			D			E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
S-ILS 35L*	6275	2400	200	6275	2400	200	6275	2400	200	6275	2400	200											
S-LOC 35L	6520	2400	445	6520	2400	445	6520	4500	445	6520	4500	445											
CIRCLING	6740	1	553	6800	1	613	7040	2 1/2	853	7260	3	1073											
NOTES: 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: * RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PUB VORTAC AIRWAY RADIALS 267 CW 354.																							
CITY AND STATE COLORADO SPRINGS, CO				ELEVATION: 6187 TDZE: 6075 AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI				FACILITY IDENTIFIER: I-COS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 35L, AMDT 38, 05/26/2016					SUP: AMDT: 37 DATED 09/23/2010								

QUALITY
10
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE 05/26/2016	
COORDINATED WITH: <div><div>ATA<div><input checked="" type="checkbox"/></div></div><div>AAT<div><input type="checkbox"/></div></div><div>ALPA<div><input checked="" type="checkbox"/></div></div><div>APA<div><input checked="" type="checkbox"/></div></div><div>AOPA<div><input checked="" type="checkbox"/></div></div><div>NBAA<div><input checked="" type="checkbox"/></div></div><div>OTHER (specify)<div><input checked="" type="checkbox"/> ZDV, COS APP CON, KCOS ATCT, AIRPORT MANAGER</div></div></div>					
FLIGHT CHECKED BY					
NAME: PENDING				FIFO	DATE:
Digitally signed by DEVELOPED BY					
NAME: SCOTT STEVENSON Mar 04, 2016 SCOTT STEVENSON				FIFO AJV-5431	DATE: 01/12/2016
APPROVED BY					
NAME: Digitally signed by ALLAN WILL LONNIE EVERHART MANAGER				FIFO AJV-5430	DATE:
CHANGES: Mar 24, 2016 1. DRAKE TO MIDAY LEAD RADIAL CHANGED FROM BRK-171 TO BRK-176. 2. PUB TO MIDAY INITIAL SEGMENT COURSE CHANGED FROM 307.93 TO 312.93. 3. TCH CHANGED FROM 51.4 TO 55.1 FEET. 4. ALTITUDE AT OM CHANGED FROM 8030 FEET TO 8032 FEET. 5. S-LOC LINE OF MINIMA CHANGED FROM 6340/265 HAT TO 6520/445 HAT. 6. S-LOC CAT C VISIBILITY CHANGED FROM 2400 TO 4500 AND CAT D VISIBILITY FROM 4000 TO 4500. 7. CIRCLING CAT A MINIMA CHANGED FROM 6720/533 HAT TO 6740/553 HAT. 8. CIRCLING CAT B MINIMA CHANGED FROM 6740/553 HAT TO 6800/613 HAT. 9. CIRCLING CAT C MINIMA CHANGED FROM 6740/553 HAT, VIS 1 1/2 TO 7040/853 HAT, VIS 2 1/2. 10. CIRCLING CAT D MINIMA CHANGED FROM 6840/653 HAT, VIS 2 TO 7260/1073 HAT, VIS 3. 11. PRIMARY MISSED APPROACH: RADIAL TO INTERCEPT FROM BRK VOR/DME CHANGED FROM 086 TO 091; HOLDING PATTERN AT ADANE CHANGED FROM 265.80 TO 270.80 INBOUND. 12. ADDITIONAL FLIGHT DATA: BRK R-140 AT DRAKE CHANGED TO R-145. 13. ADDITIONAL FLIGHT DATA: BRK R-177 AT MIDAY CHANGED TO R-182. (SEE FORM 8260-10)					
REASONS: 1-2. PUB VORTAC ROTATED FROM 13E/1965 TO 8E/2020. 3. DUE TO SURVEY DATED 2/25/2011. 4. DUE TO CHANGE IN TCH VALUE. 5. MDA RAISED TO CLEAR MISSED PENETRATION (08-022159). 6. PER AJV-5 VIS CHECK CALCULATOR. 7-10. MDA BASED ON QC OBSTACLE EVALUATION OF NEW CIRCLING AREA; VISIBILITY PER AJV-5 VIS CHECK CALCULATOR. 11-13. BRK VOR/DME ROTATED FROM 13E/1965 TO 8E/2020. 14-15. PUB VORTAC MAGVAR ROTATED FROM 13E/1965 TO 8E/2020; RADIALS ROTATED AND ACCOUNT FOR UP TO 120 DEGREES FOR COURSE INTERCEPT AT THE BEGINNING OF THE DME ARC FROM DRAKE. 16. 8260.19E, 8-57, Z. 17. DUE TO CMDA AND VISIBILITY INCREASE CAUSED BY NEW CIRCLING AREA. 18. 8260.19G, 8-6-6, N, 1. 19. NOT REQUIRED WITH UPDATED MINIMUMS. 20. BRK VORTAC CONVERTED TO VOR/DME.					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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CITY AND STATE
COLORADO SPRINGS, CO

ELEVATION: 6187 TDZE: 6075
AIRPORT NAME:
CITY OF COLORADO SPRINGS MUNI

FACILITY
IDENTIFIER:
I-COS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 35L, AMDT 38, 05/26/2016

SUP: 10
AMDT: 37
DATED: 09/23/2010

QUALITY
10
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	
OTHER (specify)		<div><input type="checkbox"/></div>		<div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES: CHANGES CONT. 14. ALTERNATE MISSED APPROACH: RADIAL TO INTERCEPT FROM PUB VORTAC CHANGED FROM 349 TO 354; HOLDING PATTERN AT DRAKE CHANGED FROM 169.19 TO 174.19 INBOUND. 15. CHANGED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVAL ON PUB VORTAC AIRWAY RADIALS 262 CW 333" TO "PROCEDURE NA FOR ARRIVALS ON PUB VORTAC AIRWAY RADIALS 267 CW 354". 16. CHARTED CIRCLING ICON. 17. PRECISION AND NON-PRECISION ALTERNATE MINIMUMS CHANGED FROM CAT D 700-2 TO CAT C 900-2 1/2, CAT D 1100-3. 18. CHANGED CHART PROFILE NOTE FROM "VGSI AND ILS GLIDEPATH NOT COINCIDENT" TO "VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})". 19. DELETED CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 35L CAT D VISIBILITY TO RVR 5000. 20. CHANGED BRK VORTAC TO VOR/DME IN THE MISSED APPROACH.					
REASONS:					
<div>QUALITY 10 CHECKED</div>					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - KCOS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DRAKE	010	DRAKE	IF	FB			BRK							E A
DRAKE	020	MIDAY	AF	FB		145.0	BRK		R			AA 08100		EE B
PUB	010	PUB	FC	FB		312.9	PUB					AA 08100		V A
PUB	020	MIDAY	CF	FB		312.9	ICOS					AA 08100		EE B
	010	MIDAY	IF	FB			ICOS					AA 08100	GI 08100	E I
	020	PETLEY	CF	FB		351.0	ICOS	3.00		CO		GI 08100	GS 08032	E F
	030	RW35L	CF	FO		351.0	ICOS	3.00				AT 06100		GY M
	040		CA	FB		351.1						AA 06700		M
	050		VI	FB		047.0								
	060	ADANE	CF	FO		090.8	BRK					AA 09000		EY
	070	ADANE	HM	FO		270.8			L			AA 09000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BRK	N385640.22	W1043800.49
PUB	N381739.32	W1042546.01
ADANE	N385457.26	W1042356.46
DRAKE	N383624.05	W1042451.18
MIDAY	N383416.16	W1044258.24
PETLEY	N384139.54	W1044257.76
ICOS (LOC)	N384938.31	W1044257.21
CO	N384139.54	W1044258.83

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW35L	N384737.76	W1044257.36	06045	55.1

QUALITY
28
CHECKED

CITY AND STATE
COLORADO SPRINGS, CO

ELEVATION: 6187 TDZE: 6075
AIRPORT NAME:
CITY OF COLORADO SPRINGS MUNI

FACILITY
IDENTIFIER:
I-COS

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 35L, AMDT 38, 05/26/2016

SUP:
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COORDINATED WITH: <div>ATA<input type="checkbox"/> AAT<input type="checkbox"/> ALPA<input type="checkbox"/> APA<input type="checkbox"/> AOPA<input type="checkbox"/> NBAA<input type="checkbox"/> OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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ARINC SUMMARY - KCOS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DRAKE	010	DRAKE	IF	FB			BRK							E A
DRAKE	020	MIDAY	AF	FB		145.0	BRK		R			AA 08100		EE B
PUB	010	PUB	FC	FB		312.9	PUB					AA 08100		V A
PUB	020	MIDAY	CF	FB		312.9	ICOS					AA 08100		EE B
	010	MIDAY	IF	FB			ICOS					AA 08100		E I
	020	PETey	CF	FB		351.0	ICOS			CO		AA 08100		E F
	030	RW35L	CF	FO		351.0	ICOS	3.16				AT 06100		GY M
	040		CA	FB		351.1						AA 06700		M
	050		VI	FB		047.0								
	060	ADANE	CF	FO		090.8	BRK					AA 09000		EY
	070	ADANE	HM	FO		270.8			L			AA 09000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BRK	N385640.22	W1043800.49
PUB	N381739.32	W1042546.01
ADANE	N385457.26	W1042356.46
DRAKE	N383624.05	W1042451.18
MIDAY	N383416.16	W1044258.24
PETey	N384139.54	W1044257.76
ICOS (LOC)	N384938.31	W1044257.21
CO	N384139.54	W1044258.83

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW35L	N384737.76	W1044257.36	06045	55.1

QUALITY
28
CHECKED

CITY AND STATE
COLORADO SPRINGS, CO

ELEVATION: 6187 TDZE: 6075
AIRPORT NAME:
CITY OF COLORADO SPRINGS MUNI

FACILITY
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PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
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AMDT: 37
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COORDINATED WITH: <div>ATA<input type="checkbox"/> AAT<input type="checkbox"/> ALPA<input type="checkbox"/> APA<input type="checkbox"/> AOPA<input type="checkbox"/> NBAA<input type="checkbox"/> OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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	PART - A OBSTRUCTION DATA
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[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME. PRECIPITOUS TERRAIN EVALUATION COMPLETED. 3: SOURCE: KCOS ASOS IS ON SERVICE-A. BACK UP ALTIMETER NOT UTILIZED. FPT ADVISES KCOS HAS REDUNDANT ALTIMETER SOURCE. VGSI DATA: 3.00/71.1 ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.42NM CAT B: 2.05NM CAT C: 3.25NM CAT D: 4.26NM NO ADDITIONAL AIRSPACE REQUIRED. OBSTACLE #4 364.57' INTO SECONDARY. 30' VEGETATION APPLICATION PER FPT AND AIRPORT PLANNING MANAGER. MISSED APPROACH OBSTACLES CONT. ALTERNATE: 7. CTRL TWR (08-022159) 384859.32N/1044156.65W 6340 (1A) ASC 9000 14. AAO 385213.45N/1043536.42W 6999 (2C) 1000 8000 15. TERRAIN 385213.45N/1043536.42W 6799 (6800) AS1500 8300												
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING														
COS TOWER COS APP CON ZDV ARTCC				X	N W S	OTHER: ASOS		SOURCE: KCOS														
								DISTANCE:														
								HOURS REMOTE OPERATION:														
SATISFACTORY ON:						H F	LOCATION: KCOS													ADJUSTMENT: 0		
X	V H F	X	U H F																			
4. MONITOR STATUS	PRIMARY NAVAID: I-COS																					
	MONITOR POINT: COS ATCT																					
	HRS OPTN:	CAT 1	24																			
CAT 3																						
	5. APPROACH & RUNWAY LIGHTING		ALS																			
(S) SALS																						
X		MALSR 17L, 35L																				
		HIRL 17L, 17R, 35L, 35R																				
X		MIRL 13, 31																				
		REIL 13, 17R, 31, 35R																				
X		TDZ 17L, 35R																				
		C/L 17L, 35R																				
X	OTHER (SPECIFY) PAPI-4L 17L, 17R, 31, 35L PAPI-4R 13, 35R																					
	6. RUNWAY MARKINGS	BASIC																				
ALL WEATHER PIR-G 17L, 17R, 35L, 35R																						
INSTRUMENT NPI-G 13, 31																						
7. RUNWAY VISUAL RANGE	APPROACH 17L, 35L, 35R																					
	MIDFIELD																					
	ROLL OUT 17L, 35R																					
8. GLIDE PATH	GP ANGLE: 3.00				ELEV RWY THRESHOLD: 6045.2																	
	DISTANCE FROM RWY:				ELEV GP ANTENNA:																	
					THRESHOLD CROSSING HEIGHT: 55.1																	
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD						FT. FROM THRESHOLD												
				X	ON CENTERLINE						FT. FROM CENTERLINE											
10. WAIVERS: NONE																						
PART D - PREPARED BY: SCOTT STEVENSON							DATE: 01/12/2016															
TITLE: AERONAUTICAL INFORMATION SPECIALIST							OFFICE: AJV-5431															

