

**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</u> CITY OF COLORADO SPRINGS MUNI	<u>AIRPORT ID</u> KCOS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17L ILS RWY 17L (SA CAT I), ILS RWY 17L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 3C	<u>CITY</u> COLORADO SPRINGS	<u>STATE</u> CO
<u>AIRPORT ELEVATION</u> 6187	<u>TDZE</u> 6187	<u>SUPERSEDED</u> ILS OR LOC RWY 17L ILS RWY 17L (SA CAT I), ILS RWY 17L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 3B	<u>DATED</u> 07/18/2019	<u>MAG VAR</u> 8E
<u>FACILITY</u> I-LPI	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
ADANE INT/BRK 11.11 DME CCW	IAF	MOGAL INT/I-LPI 20.94 DME					11.11 DME ARC (BRK LR-350)		10000
MOGAL INT/I-LPI 20.94 DME	IF	AWONE INT/I-LPI 14.40 DME					172.08	6.54 (I-LPI)	9000
AWONE INT/I-LPI 14.40 DME		ROCCK INT/I-LPI 10.11 DME					172.08	4.29 (I-LPI)	8700

MISSED APPROACH

MAP:

ILS: DA
LOC: 7.71 NM AFTER ROCCK INT/I-LPI 10.11 DME OR AT I-LPI 2.40 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 7200 THEN CLIMBING LEFT TURN TO 9000 ON HEADING 020 AND ON BRK VOR/DME R-091 TO ADANE INT/BRK VOR/DME 11.11 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 7200 THEN CLIMBING LEFT TURN TO 9000 ON HEADING 090 AND ON PUB VORTAC R-354 TO DRAKE INT/PUB 18.74 DME AND HOLD.

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT MOGAL
3. **FAC:** 172.08 **FAF:** ROCCK INT/I-LPI 10.11 DME **DIST FAF TO MAP:** 7.71 **DIST FAF TO THLD:** 7.71
4. **MIN ALT:** MOGAL INT/I-LPI 20.94 DME 10000, AWONE INT/I-LPI 14.40 DME 9000, ROCCK INT/I-LPI 10.11 DME 8700, HUMPE INT/I-LPI 6.50 DME 7540*
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **100 HAT:** 817 **150 HAT:** **GS ANT:** 1201
6. **MIN GS INCPT:** 8700 **GS ALT AT FAF :** ROCCK INT/I-LPI 10.11 DME 8700 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 57.1
8. **MSA FROM:** BRK VOR/DME 185-325 15400, 325-185 9100

QUALITY
13
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17R.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

*LOC ONLY

CHART PROFILE NOTE: USE I-LPI DME WHEN ON THE LOCALIZER COURSE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ADANE ON V389 SOUTHBOUND.

SA CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 17L: CAT A, B, C, D, RA 105 RVR 1600, HAT 100, DA 6287 MSL.

SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 17L: CAT A, B, C, D, RA 169, RVR 1400, HAT 150, DA 6337 MSL.

SA CAT I CHART NOTE: REQUIRED SPECIFIC OPSEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

ADDITIONAL FLIGHT DATA:

7220 AAO 385709N/1044007W.

CHART: R 2601 A/ B AND R 2602

6840 AAO 385334N/1044154W.

CHART CIRCLING ICON.

CHART BRK R-091 AT ADANE.

CHART IN PLANVIEW: DRAKE INT/PUB 18.74 DME

CHART VDP AT 4.83 DME*

DISTANCE VDP TO THLD 2.43 NM

* LOC ONLY

FAS OBST: 6759 AAO 385230N/1044110W.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N DRAKE INT/PUB 18.74 DME, RT, 174.19 INBOUND.

HOLD E, LT, 270.80 INBOUND

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: CAT A, B 1400-2, CAT C, D 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	A			B			C			D			E		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 17L	6387	1800	200	6387	1800	200	6387	1800	200	6387	1800	200			
S-LOC 17L	7540	4000	1353	7540	5500	1353	7540	3	1353	7540	3	1353			
CIRCLING	7540	1 1/4	1353	7540	1 1/2	1353	7540	3	1353	7540	3	1353			
HUMPE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
S-LOC 17L	7020	2400	833	7020	4000	833	7020	1 7/8	833	7020	1 7/8	833			
CIRCLING	7020	1 1/4	833	7020	1 1/4	833	7040	2 1/2	853	7260	3	1073			

CHANGES - REASONS

REINSTATE CIRCLING MINIMUMS - ADDED CIRCLING MINIMUMS BACK ONTO PROCEDURE AT WFPT/MILITARY AND AIRPORT REQUEST.

ADDED NOTE: CHART CIRCLING ICON - REQUIRED DUE TO NEW CIRCLING MINIMUMS ADDED BACK ONTO PROCEDURE.

MOVED EQUIPMENT NOTE (DME OR RADAR REQUIRED.) FROM PLANVIEW TO EQUIPMENT REQUIRED BLOCK - TO MEET CURRENT DOCUMENTATION CRITERIA FOR REPORT FORMATTING.

AIRPORT

CITY OF COLORADO SPRINGS MUNI

AIRPORT ID

KCOS

PROCEDURE NAME

ILS OR LOC RWY 17L
ILS RWY 17L (SA CAT I),
ILS RWY 17L (SA CAT II)

ORIGINAL/AMENDMENT

3C

CITY

COLORADO SPRINGS

STATE

CO

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZDV ARTCC, DEN APP, KCOS ATCT, KCOS APT MGR.

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

DEVELOPED BY

RUSSELL CRONK

Digitally signed by

RUSSELL K CRONK

Aug 30, 2019

Digitally signed by

BEV L BORDY

Sep 03, 2019

Digitally signed by

BEV L BORDY

Sep 03, 2019

OFFICE

AJV-5413

DATE

08/19/2019

APPROVED BY

JULIE MORGAN

OFFICE

AJV-5410

DATE

TITLE

MANAGER