

**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> COLORADO AIR AND SPACE PORT	<u>AIRPORT ID</u> KCFO	<u>PROCEDURE NAME</u> ILS OR LOC RWY 26	<u>ORIGINAL/AMENDMENT</u> 6A	<u>CITY</u> DENVER	<u>STATE</u> CO	
<u>AIRPORT ELEVATION</u> 5515	<u>TDZE</u> 5489	<u>SUPERSEDED</u> ILS OR LOC RWY 26	<u>ORIGINAL/AMENDMENT</u> 6	<u>DATED</u> 09/13/2018	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-FTG	<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>
FQF VORTAC		SKIPI/I-FTG 6.96 DME	FAF/IAF				045.19	10.96	8000

MISSED APPROACH

MAP:

ILS: DA
LOC: I-FTG 1.74 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6100 THEN CLIMBING LEFT TURN TO 7200 ON HEADING 080 AND ON FQF VORTAC R-045 TO SKIPI/I-FTG 6.96 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD E SKIPI, LT, 263.17 INBOUND, 7200 FT. IN LIEU OF PT (IAF), MAX 8000.
3. **FAC:** 263.17 **FAF:** SKIPI/I-FTG 6.96 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 5.22
4. **MIN ALT:** SKIPI/I-FTG 6.96 DME 7200
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1002
6. **MIN GS INCPT:** 7200 **GS ALT AT FAF :** SKIPI/I-FTG 6.96 DME 7200 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 49.6
8. **MSA FROM:** FQF VORTAC 360-180 8400, 180-360 9600

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FQF VORTAC AIRWAY RADIALS 038 CW 078.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 26 CAT C/D VISIBILITY TO 1 1/8 SM.



ADDITIONAL FLIGHT DATA:

CHART KDEN IN PLANVIEW.
CHART CIRCLING ICON.
CHART IN PLANVIEW: (CFNRM) (394725.21N/1042015.24W).
CHART VDP AT 2.87 DME*
DISTANCE VDP TO THLD 1.13 NM
* LOC ONLY
FAS OBST: 5650 AAO 394647N/1042439W.

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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 26	5689	1/2	200	5689	1/2	200	5689	1/2	200	5689	1/2	200			
S-LOC 26	5900	1/2	411	5900	1/2	411	5900	3/4	411	5900	3/4	411			
CIRCLING	6000	1	485	6000	1	485	6100	1 1/2	585	6300	2 1/2	785			

CHANGES - REASONS

1. CHANGED AIRPORT NAME FROM "FRONT RANGE" TO "COLORADO AIR AND SPACE PORT". - AIRPORTS NAME CHANGED.
2. CHANGED AIRPORT ID FROM "KFTG" TO "KCFO". - AIRPORT ID CHANGED.
3. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ILS AND LOC ALTERNATE MINIMUMS.- MANAGEMENT DIRECTED.
4. CHANGED LOC MISSED APPROACH POINT FROM "5.22 NM AFTER SKIP/I-FTG 6.96 DME OR AT I-FTG 1.74 DME" TO "I-FTG 1.74 DME". - DME REQUIRED FOR PROCEDURE. TIME AND DISTANCE TABLE NOT NECESSARY.
5. DELETED DIST FROM FAC TO MAP ON LINE 3. - TIME AND DISTANCE TABLE NOT REQUIRED.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV, DEN APP CON, CFO TOWER, AMGR.

FLIGHT CHECKED BY

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

DEVELOPED BY

CHRISTINE BAYSE
Digitally signed by
CHRISTINE BAYSE
Sep 04, 2019

APPROVED BY
GEORGE DAVIS

Digitally signed by
WARDELL HENNING
Sep 26, 2019

OFFICE

Digitally signed by
WARDELL HENNING
Sep 26, 2019

OFFICE
AJV-A432

DATE
08/22/2019

OFFICE
AJV-A430

DATE

TITLE
MANAGER



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
COLORADO AIR AND SPACE PORT	KCFO	ILS OR LOC RWY 26	6A	DENVER	CO	5515	I-FTG

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM FQF VORTAC TO SKIPI/I-FTG 6.96 DME

<u>RNP</u>	<u>DISTANCE</u> 10.96	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<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>
1.TREE	393924.00N/1043503.00W		6097	250	125	4E	2000				MT-97	8000
2.TERRAIN	393924.00N/1043503.00W		6067 (6100)								AS1500	7600

COMPUTATIONS

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

FINAL: ILS

FROM SKIPI/I-FTG 6.96 DME TO RW26

<u>RNP</u>	<u>DISTANCE</u> 5.22	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200			<u>HMAS</u>					
<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				5689

COMPUTATIONS

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



FINAL: LOC

FROM

SKIPI/I-FTG 6.96 DME

TO

I-FTG 1.74 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.22		I-FTG 1.74 DME			411						
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.AAO	394646.93N/1042438.63W		5650	50	20	2C	250					5900

COMPUTATIONS

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

HOLD-IN-LIEU OF PT

FROM

SKIPI

TO

P-8

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
		P-8										
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.TOWER (08-000218)	394120.00N/1042922.00W		6147	500	50	5D	1000					7200
5.TERRAIN	394120.00N/1042921.00W		5844 (5800)								AS1000	6800

COMPUTATIONS

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



MISSED APPROACH : ILS

FROM
DA

TO
SKIPI/I-FTG 6.96 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 5524					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				7200
4.TOWER (08-000218)	394120.00N/1042922.00W		6147	500	50	5D	1000					7200
6.TERRAIN	394157.00N/1042927.00W		5590 (5600)								AS1500	7100

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

MISSED APPROACH : LOC

FROM
I-FTG 1.74 DME

TO
SKIPI/I-FTG 6.96 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 5650					
<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				7200
4.TOWER (08-000218)	394120.00N/1042922.00W		6147	500	50	5D	1000					7200
6.TERRAIN	394157.00N/1042927.00W		5590 (5600)								AS1500	7100

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



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
7.GENERAL_UTILITY (08-073020)	394710.91N/1043208.92W	1.41	485	5697	20	3	1A	300			6000
CATEGORY B											
7.GENERAL_UTILITY (08-073020)	394710.91N/1043208.92W	2.02	485	5697	20	3	1A	300			6000
CATEGORY C											
8.TOWER (08-000851)	394339.00N/1043135.00W	3.20	585	5733	500	50	5D	300		AC50	6100
CATEGORY D											
9.AAO	394157.00N/1042927.00W	4.19	785	5990	50	20	2C	300			6300

CIRCLING REMARKS:

MSA

CENTER

FQF VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-180	AAO	391415.00N/1044718.00W	185	28.2	7323	164	98	4E	1000			8400
180-360	AAO	392915.00N/1051048.00W	234	28.6	8539	164	98	4E	1000			9600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

CIRC CAT A/B #8 OBS IS AIR TRAFFIC CONTROL TOWER.

USED 30FT VEGETATION HEIGHT; PER FPT.

RNAV SUBSTITUTION FOR ALTERNATE MISSED APPROACH PROVEDED BY 24 HOUR NOTAM.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZDV ARTCC, DEN APP CON, CFO TOWER

<u>WX SERVICE</u> AWOS	<u>LOCATION</u> KCFO	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KCFO	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KDEN	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KDEN	<u>DISTANCE</u> 7.79	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 29

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME KCFO 5512, KDEN 5433 RA = 28.89

<u>PRIMARY NAVAID</u> I-FTG	<u>MONITOR POINT</u> POCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW08 - HIRL (PCL), REIL (PCL), PAPI-2L (PCL)	PIR-F	
RW17 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-F	
RW26 - MALSR, HIRL (PCL), PAPI-2L (PCL)	PIR-F	
RW35 - MALSR, MIRL (PCL), PAPI-4L (PCL)	PIR-F	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 5489.1	<u>TCH</u> 49.6	<u>ELEV GS ANTENNA</u> 5480.8	<u>DISTANCE FROM RWY</u> 1002	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 50.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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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

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FOR CONTINGENCY PORPOSES ONLY:
CHART NOTE: VDP NA WITH DENVER INTL ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DENVER INTL ALTIMETER SETTING AND INCREASE DA TO 5718 AND ALL MDA 40 FEET; INCREASE S-LOC 26 CAT C/D VISIBILITY 1/8 SM, AND INCREASE CIRCLING CAT C/D VISIBILITY 1/4 SM.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT</u> COLORADO AIR AND SPACE PORT	<u>AIRPORT ID</u> KCFO	<u>PROCEDURE NAME</u> ILS OR LOC RWY 26	<u>AMDT NO.</u> 6A	<u>CITY</u> DENVER	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 5515	<u>FACILITY</u> I-FTG
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PART D: AIRSPACE

DOCKET #

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

DISTANCE FROM	THLD	TO 1000FT POINT	3.02
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.87
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	271.17
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	5519
DISTANCE FROM	THLD	TO 1500FT POINT	4.82
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.26
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	271.17
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	5519

THRESHOLD
COORDINATES
(IF STR-IN)

394736.82N/1043212.42W

ARP COORDINATES

394703.10N/1043215.50W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 8 DISTANCE 1.41 NM

FAF
COORDINATES

394730.23N/1042526.53W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
10
CHECKED

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PART E: PREPARED BY							
<u>NAME</u> CHRISTINE BAYSE	<u>OFFICE</u> AJV-A432			<u>DATE</u> 08/22/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST		

QUALITY
10
CHECKED

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