

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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> SOUTHEAST COLORADO RGNL	<u>AIRPORT ID</u> KLAA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> LAMAR	<u>STATE</u> CO	
<u>AIRPORT ELEVATION</u> 3706	<u>TDZE</u> 3689	<u>SUPERSEDED</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 07/18/2019	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<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>
LAA VOR/DME		ODURE		TF	FO	1.00	115.69	13.53	6000
NARNE	IAF	ODURE	NOPT	TF	FB	1.00	172.79	10.28	6000
ODURE	IF/IAF	RINDE		TF	FB	1.00	262.79	6.00	5300
RINDE	FAF	RW26	MAP	TF	FO	0.30	262.71	4.85	
RW26	MAP	4106 MSL		CA			262.71		
4106 MSL		ODURE		DF	FO	1.00			6000

MISSED APPROACH

MAP:

LNAV: RW26

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 6000 DIRECT ODURE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD E ODURE, RT, 262.79 INBOUND, 6000 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAC: 262.71FAF: RINDEDIST FAF TO MAP: 4.85DIST FAF TO THLD: 4.85

4. MIN ALT: ODURE 6000, RINDE 5300

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM: RW26 6100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LAA VOR/DME AIRWAY RADIALS 048 CW 118.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NARNE ON V244 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

RINDE TO RW26: 3.04/45.
CHART TWO BUTTES MOA
CHART FAS OBST: 3894 ANT 380335N/1023850W.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LNAV MDA	4180	1	491	4180	1	491	4180	1 3/8	491	4180	1 1/2	491			

CHANGES - REASONS

1. ALL CHANGES FROM AMENDMENT ORIG B AND ORIG C HAVE BEEN INCORPORATED INTO THIS PROCEDURE. - 8260.19H 8-3-4-C(1).
2. CHANGED AIRPORT NAME FROM LAMAR MUNI TO SOUTHEAST COLORADO REGIONAL. - REQUESTED BY CITY OF LAMAR.
3. CHANGED "FB" TO "FO" FOR TERMINAL ROUTE LAA VOR/DME TO ODURE - DEGREE OF TURN REQUIRED A FLY-OVER.
4. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LAA VOR/DME AIRWAY RADIALS 048 CW 118. - IAW 8260.19H 8-2-5 E.
5. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NARNE ON V244 NORTHEAST BOUND. - IAW 8260.19H 8-2-5 F.
6. REMOVED NA AND ADDED STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE. TO ALTERNATE MINS. - IAW 8260.19H 8-6-11 B.
7. ADDED "MAX 14000" TO HOLD-IN-LIEU ON LINE 2 - PER .19H PARA 8-6-7B (2).
8. ADDED "20:1 IS NOT CLEAR" ON LINE 7 - 20:1 PENETRATIONS.
9. MAGVAR CHANGED FROM 11E TO 7E AND EPOCH YEAR FROM 1980 TO 2020. - MAGVAR WAS OUT OF TOLERANCE.
10. INCREASED TERMINAL ROUTES, PROFILE H-I-L, AND PROFILE FAC COURSES BY 4. - REFLECT MAGVAR CHANGE.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV, AMGR

FLIGHT CHECKED BY

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

OFFICE

DATE

Digitally signed by

JOHN BORDY

Apr 10, 2020

DEVELOPED BY

JOHN BORDY (ANDRE TUCKER)

Digitally signed by

JOHN BORDY

Apr 10, 2020

OFFICE

AJV-A422

DATE

01/15/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Apr 10, 2020

OFFICE

AJV-A420

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
SOUTHEAST COLORADO RGNL	KLAA	RNAV (GPS) RWY 26	ORIG-D	LAMAR	CO	3706	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
LAA VOR/DME

TO
ODURE

<u>RNP</u>	<u>DISTANCE</u> 13.53	<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.AAO	381336.00N/1024115.00W	4206	50	20	2C	1000				DG794	6000
2.TERRAIN	381336.00N/1024115.00W	4006 (4000)								AS1500	5500

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

INITIAL

FROM
NARNE

TO
ODURE

<u>RNP</u>	<u>DISTANCE</u> 10.28	<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>
3.AAO	381339.00N/1023139.00W	4075	50	20	2C	1000				DG925	6000
4.TERRAIN	381339.00N/1023139.00W	3875 (3900)								AS1500	5400

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



<u>AIRPORT</u> SOUTHEAST COLORADO RGNL	<u>AIRPORT ID</u> KLAA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>AMDT NO.</u> ORIG-D	<u>CITY</u> LAMAR	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 3706	<u>FACILITY</u> RNAV				
INTERMEDIATE											
<u>FROM</u> ODURE (IF/IAF)				<u>TO</u> RINDE							
<u>RNP</u>	<u>DISTANCE</u> 6.00	<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>
5.TOWER (06-0206)	380217.00N/1022548.00W	4202	250	20	4C	500				AT598	5300
6.TERRAIN	380215.00N/1023148.00W	3829 (3800)								AS1000	4800

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

SEGMENT REMARKS:

FINAL: LNAV

<u>FROM</u> RINDE				<u>TO</u> RW26							
<u>RNP</u>	<u>DISTANCE</u> 4.85	<u>PAT</u>	<u>MAP</u> RW26	<u>HAT</u> 491		<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>
7.ANT (KLAA0035)	380335.00N/1023850.00W	3894	20	3	1A	250				SA-71 MA100	4180

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

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

ODURE

TO

P-8

RNP	DISTANCE	PAT P-8	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (08-000206)	380217.00N/1022548.00W		4204	100	20	3C	1000				AT796	6000
8.TERRAIN	390012.00N/1022830.00W		3859 (3900)								AS1500	5400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW26

TO

ODURE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 4080					
<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>
9.WINDMILL (06-0833)	380309.00N/1024103.00W		4069	500	50	5D		ASC			AC50	6000
10.TOWER (08-000380)	380211.33N/1023610.01W		4283	20	3	1A	1000					5300
11.TERRAIN	375703.00N/1024227.00W		3976 (4000)								AS1500	5500

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



MSA

CENTER

RW26

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (06-0147)	374030.00N/1025331.00W	195	24.8	5080	250	50	4D	1000			6100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AT THE TIME OF DEVELOPEMENT ANA SURVEY DATED 07/25/00
SURVEY DID NOT SUPPORT LNAV/VNAV PROCEDURE OR NIGHT OPERATIONS.
TAA NOT DEVELOPED DUE TO REGIONS WRITTEN REQUEST.
FINAL SEGMENT OBSTACLE 1157.69' INTO TRANSITIONAL SURFACE.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZDV ARTCC, DEN FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KLAA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KLAA	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KLHX	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KLHX	<u>DISTANCE</u> 38.84	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 163

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME KLAA 3706, KLHX 4229 RA = 162.8.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW08 - MIRL (PCL), PAPI-2L (PCL)		BSC-G	
RW26 - MIRL (PCL), REIL, PAPI-2L (PCL)		BSC-G	
RW18 - MIRL (PCL), REIL, VASI-4L		NPI-G	
RW36 - MIRL (PCL), REIL, PAPI-4L (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 31.1
<u>FINAL APPROACH COURSE AIMING</u>						
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

Final Type	STRAIGHT-IN
20:1	
3701 TREE (KLAA0024) 380424.45/1024030.18	

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.

VDP NOT ESTABLISHED. INSUFFICIENT SURVEY. UNABLE TO VERIFY VISUAL SURFACE CLEAR.

CONTINGENCY ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LA JUNTA ALTIMETER SETTING AND INCREASE ALL MDA 180 FT AND INCREASE VISIBILITY LNAV CAT C 1/2 SM AND CAT D 3/8 SM.



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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	2.85				
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.64				
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	269.71				
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3700				
DISTANCE FROM	THLD	TO 1500FT POINT	4.65				
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.06				
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	269.71				
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	3700				
THRESHOLD COORDINATES (IF STR-IN)	380426.42N/1024034.20W						
ARP COORDINATES	380410.90N/1024118.60W						
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36 DISTANCE 0.75 NM						
FAF COORDINATES	380428.04N/1023425.81W						
FIX NAME COORDINATES							
REMARKS							
NO ADDITIONAL AIRSPACE REQUIRED							

QUALITY

10

CHECKED

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PART E: PREPARED BY							
<u>NAME</u> JOHN BORDY (ANDRE TUCKER)			<u>OFFICE</u> AJV-A422	<u>DATE</u> 01/15/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST		

QUALITY
10
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