

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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 ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
DEN	RNAV (RNP) Z RWY 34R	1	DENVER	CO		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
5434	5354	RNAV (RNP) Z RWY 34R	ORIG-C	02/01/2018	8E	2015
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV			ROUTINE			

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>
BFREE	IAF	BOOBU		TF	FB	1.00	352.50	2.64	10000
HIMOM	IF	MCMUL		TF	FB	1.00	173.17	3.00	10000
MCMUL		KUGLN		RF	FB	1.00	(2.73 NM RADIUS CCW (CFFNL))	4.30	8700
KUGLN		BSAYN		RF	FB	1.00	(2.89 NM RADIUS CCW (CFFNK))	4.57	7700
BOOBU	IF	BENGL		TF	FB	1.00	352.51	3.24	10000
BENGL		BOENG		TF	FB	1.00	352.51	4.73	9000
BOENG		BSAYN		TF	FB	1.00	352.51	4.38	7700
BSAYN		CORDE		TF	FB	1.00	352.51	2.48	7000
CORDE	PFAF	RW34R	MAP	TF	FO	0.30	352.51	5.00	
RW34R	MAP	PIPSY		TF	FB	1.00	352.51	4.79	
PIPSY		NIWOT		TF	FO	1.00	315.01	23.54	10000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 10000 ON TRACK 352.51 TO PIPSY AND ON TRACK 315.01 TO NIWOT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT BSAYN														
3.	FAC:	352.51	FAF:	CORDE	DIST FAF TO MAP:	DIST FAF TO THLD:									
4.	MIN ALT:	BSAYN 7700, CORDE 7000													
5.	DIST TO THLD FROM PFAF:	5.00	MM:	IM:	150 HAT:	389 HAT:	1.05	GS ANT:							
6.	MIN GP INCPT:	7000	GP ALT AT PFAF:	CORDE 7000	OM:	MM:	IM:								
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	55.0							
8.	MSA FROM:	RW34R 10100													

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM MCMUL OR KUGLN: RF.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -26°C OR ABOVE 54°C.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.20 ALL CATS VISIBILITY TO 1 3/8 SM AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/4 SM

CHART SPEED ICON IN PLANVIEW AT BFREE: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT HIMOM: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT BOOBU: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 314.00 INBOUND.
CHART MANDATORY 10000 AT BFREE.
CHART MANDATORY 11000 AT HIMOM.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.10 DA	5743	3500	389	5743	3500	389	5743	3500	389	5743	3500	389			
RNP 0.20 DA	5850	5000	496	5850	5000	496	5850	5000	496	5850	5000	496			
RNP 0.30 DA	5980	1 3/8	626	5980	1 3/8	626	5980	1 3/8	626	5980	1 3/8	626			



CHANGES - REASONS

1. TERMINAL ROUTES ADDED SEGMENT BFREE TO BOOBU - ATC REQUEST MIRROR ILS.
2. MISSED APPROACH INSTRUCTIONS CHANGED FROM CLIMB TO 6000 THEN CLIMBING LEFT TURN TO 10000 DIRECT HYGEN AND HOLD TO CLIMB TO 10000 DIRECT PIPSY AND ON TRACK 307.84 TO OBOONE AND ON TRACK 004.05 TO LPORT AND HOLD - ATC REQUEST NEW MISSED APPROACH.
3. PROFILE LINE 3 REMOVED DIST FAF TO MAP 4.98 - NA FOR RNP PROCEDURE.
4. PROFILE LINE 5 CHANGED FROM DIST TO THLD FROM OM 4.98 TO DIST FROM THLD TO PFAF TO 5.00 - MOVED PFAF DUE TO NEW TCH.
5. PROFILE LINE 7 CHANGED TCH FROM #58.5 TO TCH 55.0 - UPDATED TCH TO DESIGN TCH.
6. PROFILE LINE 8 MSA CHANGED FROM RW34R 10300 TO RW34R 10100 - NEW CONTROLLING OBSTACLE.
7. PBN REQUIREMENTS: ADDED "RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM MCMUL: RF", REMOVED "CHART NOTE: GPS REQUIRED" – IAW 8260.19J, 8-6-8(5)A(1).
8. NOTES UPDATED CHART NOTE FROM CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - IAW 8260.19J 8-6-7 M1.
9. CHART NOTE UPDATED FROM CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (:13F) OR ABOVE 46C (114F) TO CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26°C OR ABOVE 54°C - UPDATED HISTORICAL TEMP DATA.
10. ADDITIONAL FLIGHT DATA NOTE REMOVED #TCH 5412.2 MSL (DO NOT CHART), AND ROUTE TYPE: A,H, ROUTE TYPE QUALIFIER1: F, ROUTE TYPE QUALIFIER2: S - NO LONGER REQUIRED.
11. ADDITIONAL FLIGHT DATA CHANGED FROM HOLD SE, RT, 309.00 INBOUND TO, AND HOLD N, LT, 183.26 INBOUND - NEW MISSED APPROACH ATC REQUEST.
12. ADDITIONAL FLIGHT DATA REMOVED CHART FAS OBST: 5430 CRANE 395115N/1044100W, CHART FAS OBST: 5473 TOWER 395104N11044057W, CHART FAS OBST: 5660 ANTENNA 395107N/1044028W - NO LONGER REQUIRED.
13. ADDITIONAL FLIGHT DATA REMOVED CHART PLANVIEW NOTE: RADAR REQUIRED - NO LONGER REQUIRED.
14. MINIMUMS CHANGED RNP 0.10 DA FROM 5739/4000 ALL CATS TO 5743/3500 ALL CATS - NEW CONTROLLING OBSTACLE.
15. MINIMUMS RNP 0.20 DA CHANGED FROM 5849/6000 ALL CATS TO 5850/5000 ALL CATS - NEW CONTROLLING OBSTACLE.
16. MINIMUMS RNP 0.30 DA CHANGED FROM 1 5/8 TO 1 3/8 ALL CATS - NEW VIS TABLE.

10/08/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/17/25.

1. UPDATED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 10000 DIRECT PIPSY AND ON TRACK 307.84 TO OBOONE AND ON TRACK 004.05 TO LPORT AND HOLD TO CLIMB TO 10000 ON TRACK 352.51 TO PIPSY AND ON TRACK 315.01 TO NIWOT AND HOLD.

2. PROFILE LINE 7 ADDED 34:1 IS CLEAR AND 20:1 IS CLEAR.

3. ADDED CHART SPEED ICON IN PLANVIEW AT BOOBU: MAX 210 KIAS

4. PROFILE LINE 5 CHANGED 390 HAT TO 389 HAT.

5. CHANGED PBN REQUIREMENTS NOTE FROM "RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM MCMUL: RF" TO "RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM MCMUL OR KUGLN: RF."

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ATA

FLIGHT CHECKED BY

NATHAN J CHOTT

Digitally signed by

ROBERT G HAMILTON

Jan 14, 2026

OFFICE

AJF

DATE

12/16/2025

DEVELOPED BY

JOSHUA DUGAN

Digitally signed by

ROBERT G HAMILTON

Jan 14, 2026

OFFICE

AJV-A433

DATE

07/17/2025

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Jan 14, 2026

OFFICE

AJV-A433

DATE

02/12/2026

TITLE

MANAGER



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
DEN	RNAV (RNP) Z RWY 34R	1	DENVER	CO	5434	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM BOFREE **TO** BOOBU

RNP 1.00 **DISTANCE** 2.64 **PAT** **MAP** **HAT** **HMAS**

<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>
AAO	392821.00N/1043936.00W	6693	215	8	4B	1000				AC8 AT2299	10000
TERRAIN	393118.00N/1044003.00W	6414 (6400)								AS1500	7900

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM HIMOM **TO** MCMUL

RNP 1.00 **DISTANCE** 3.00 **PAT** **MAP** **HAT** **HMAS**

<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>
AAO	394318.00N/1045051.00W	5666	215	8	4B	1000				AT3326 AC8	10000
TERRAIN	394418.00N/1044721.00W	5472 (5500)								AS1500	7000

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

MCMUL

TO

KUGLN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	4.30				

<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>
TOWER (08-000796)	394106.50N/1044707.10W	5844	500	50	5D	500				AC50 AT2306	8700
TERRAIN	394006.00N/1044512.00W	5741 (5700)								AS1500	7200

COMPUTATIONS

RF SEGMENT

MCMUL-KUGLN

ALT

10000

KIAS

210

KTAS

251.11

HAA

4566.20

VKTW

31.06

TR

2.89

BA

22.99

DTA

0.00

COURSE CHANGE

0.00

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

(CFFNL)/4.57 NM

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

KUGLN

TO

BSAYN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	4.57				

<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>
AAO	394127.00N/1043957.00W	5906	215	8	4B	500				AT1286 AC8	7700
TERRAIN	393951.00N/1044242.00W	5849 (5800)								AS1500	7300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

BOOBU

TO

BENGL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	3.24										
<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>
AAO	393118.00N/1044003.00W	6615	215	8	4B	500				AT2877 AC8	10000
TERRAIN	393200.00N/1044006.00W	6341 (6300)								AS1500	7800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

BENGL

TO

BOENG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	4.73										
<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>
AAO	393424.00N/1044048.00W	6414	215	8	4B	500				AT2078 AC8	9000
TERRAIN	393539.00N/1044136.00W	6167 (6200)								AS1500	7700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

BOENG

TO

BSAYN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	4.38										
<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>
AAO	393921.00N/1044103.00W	6040	215	8	4B	500				AT1152 AC8	7700
TERRAIN	394000.00N/1044051.00W	5797 (5800)								AS1500	7300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

BSAYN

TO

CORDE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	2.48										
<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>
AAO	394336.00N/1043857.00W	5893	215	8	4B	500				AT599 AC8	7000
TERRAIN	394515.00N/1044051.00W	5669 (5700)								AS1000	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL

FROM

CORDE

TO

RW34R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.10	5.00		DA				389				
<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>
CRANE (08-025906)	395115.39N/1044059.67W	5430	20	3	1A					AC3 MA84	5743

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM

CORDE

TO

RW34R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.20	5.00		DA				496				
<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>
TOWER (08-000817)	395103.72N/1044057.01W	5478	20	3	1A					AC3 MA109	5850

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL

FROM

CORDE

TO

RW34R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	5.00		DA	626	

<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>
BUILDING (08-022526)	395107.14N/1044028.16W	5510	20	3	1A					AC3 MA62 XP102	5980

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP TO RETAIN MINS

MISSED APPROACH: LEVEL SURFACE

FROM

DA

TO

NIWOT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.10-1.00					5466

<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>
TOWER (08-000817)	395103.72N/1044057.01W	5478	20	3	1A		ASC				10000
TOWER (08-001212)	400557.00N/1045350.00W	6249	250	50	4D	1000				AC50	7300
TERRAIN	395306.00N/1044045.00W	5403 (5400)								AS1500	6900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LEVEL SURFACE

FROM

DA

TO

NIWOT

<u>RNP</u> 0.20-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 5536				
<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>
TOWER (08-000781)	395144.74N/1044025.08W	5704	20	3	1A		ASC				10000
TOWER (08-001212)	400557.00N/1045350.00W	6249	250	50	4D	1000				AC50	7300
TERRAIN	395306.00N/1044045.00W	5403 (5400)								AS1500	6900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LEVEL SURFACE

FROM

DA

TO

NIWOT

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u> 5616		
<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>
TOWER (08-000781)	395144.74N/1044025.08W	5704	20	3	1A		ASC				10000
TOWER (08-001212)	400557.00N/1045350.00W	6249	250	50	4D	1000				AC50	7300
TERRAIN	395306.00N/1044045.00W	5403 (5400)								AS1500	6900

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
RW34R

RADIUS
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	AAO	395336.00N/1051848.00W	266	29.0	9098	215	8	4B	1000			10100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

DEN APP CON, ZDV ARTCC, DEN TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	DEN		DEN		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

BACK-UP ALTIMETER NOT PUBLISHED. REDUNDANT REPORTING ON AIRPORT.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW07 - MALSR, C/LINE, HIRL, TDZ, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW08 - MALSR, HIRL, C/LINE, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW16L - MALSR, HIRL, C/LINE, TDZ, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW16R - MALSR, HIRL, TDZ, C/LINE, PAPI-4R		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17L - MALSR, C/LINE, HIRL, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17R - MALSR, TDZ, C/LINE, HIRL, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW25 - MALSR, HIRL, C/LINE, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW26 - MALSR, HIRL, C/LINE, TDZ, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW34L - ALSF-2, HIRL, C/LINE, TDZ, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW34R - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35L - ALSF-2, TDZ, C/LINE, HIRL, PAPI-4R		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35R - ALSF-2, HIRL, C/LINE, TDZ, PAPI-4R		PIR-G	APPROACH, MIDPOINT, ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	5353.7	55.0			3.00	63.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-26C	+54C	-26C	+4.24C

CRITICAL TEMPERATURE REMARKS:



AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 1031 HIGH TEMP 1360.

"VISUAL PORTION OF FINAL" PENETRATIONS
HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INITIAL, INTERMEDIATE AND INTERMEDIATE STEPDOWN FIX ALTITUDES AND LOCATIONS PER ATC REQUEST FOR SEPARATION AND AIRSPACE PURPOSES

50 FT VEGETATION USED PER FPT.

APPROVAL FOR MANDATORY ALTITUDE AT HIMOM SUBMITTED.

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	3.73
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	000.51
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	5400
DISTANCE FROM	THLD	TO 1500FT POINT	8.45
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	000.51
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	6300

THRESHOLD COORDINATES (IF STR-IN) 395150.77N/1044113.88W

ARP COORDINATES 395142.00N/1044023.40W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 7 DISTANCE 2.77 NM

FAF COORDINATES 394650.76N/1044117.34W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

JOSHUA DUGAN

OFFICE

AJV-A433

DATE

07/17/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

QUALITY
39
CHECKED