

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) SPECIAL INSTRUMENT APPROACH PROCEDURE
SPECIFICATION -- NOT FOR COCKPIT USE**

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.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Minimum altitudes shall correspond with those established for enroute operations in the particular area or as set forth below.

AIRPORT ID ASE	PROCEDURE NAME RNAV (GPS) Z RWY 15	ORIGINAL/AMENDMENT 1	CITY ASPEN	STATE CO
AIRPORT ELEVATION 7838	TDZE 7737	SUPERSEDED RNAV (GPS) Z RWY 15	DATED 09/20/2012	MAG VAR 9E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2015
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WOKUV		PIKNE		TF	FB	1.00	296.64	6.61	14000
PIKNE	IAF	NALDY		TF	FB	1.00	212.09	8.72	13400
NALDY	IF	WASLO		TF	FB	1.00	122.54	4.54	12000
WASLO		ONCAP	PFAF	TF	FB	1.00	122.59	4.00	11400
ONCAP	FAF	JOSAN/1.60 NM TO WIDMI		TF	FB	0.30	150.61	2.00	
JOSAN/1.60 NM TO WIDMI		WIDMI	MAP	TF	FO	0.30	150.61	1.60	
WIDMI	MAP	8238 MSL		CA			150.61		
8238 MSL		LINDZ		DF	FO	1.00			14700

MISSED APPROACH

MAP:

LNAV: WIDMI

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 14700 DIRECT LINDZ AND HOLD, CONTINUE CLIMB-IN-HOLD TO 14700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT NALDY
- FAC: 150.61 FAF: ONCAP DIST FAF TO MAP: 3.60 DIST FAF TO THLD: 5.30
- MIN ALT: NALDY 13400, WASLO 12000, ONCAP 11400, JOSAN/1.60 NM TO WIDMI 10300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
- MIN GP INCPNT: GP ALT AT FAF:
- GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH:
- MSA FROM: WIDMI 15700



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: CIRCLING TO RWY 33 NA AT NIGHT.

CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CHART NOTE: CIRCLING NA FOR CAT C SOUTHWEST OF RWY 15-33.

CHART NOTE: USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARD

CHART PROFILE NOTE: SPECIAL AUTHORIZATION REQUIRED. SPECIAL AIRCREW TRAINING REQUIRED. SPECIAL AIRCRAFT AND EQUIPMENT PERFORMANCE REQUIRED. AIRCRAFT SHOULD BE IN FINAL APPROACH CONFIGURATION PRIOR TO FAWP. EXCESSIVE DESCENT GRADIENTS ON FINAL APPROACH OF UP TO 664FT/NM MAY BE REQUIRED.

CHART SPEED ICON IN PLANVIEW AT NALDY: MAX 190 KIAS.

CHART SPEED ICON IN PLANVIEW AT WASLO: MAX 230 KIAS.

CHART SPEED ICON IN PLANVIEW AT ONCAP: MAX 230 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 067.17 INBOUND.

CHART FAS OBST: 8666 TREE (08-107675) 391608N/1065420W.

CHART 8642 TREE (08-070963) 391610N/1065418W.

JOSAN TO RW15: 7.29/54.6.

MINIMUMS:

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

ALTERNATE: NA

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	9900	2	2163	9900	2	2163	9900	3	2163		NA				
CIRCLING	9900	2	2062	10280	2	2442	11020	3	3182		NA				



CHANGES - REASONS

1. TERMINAL ROUTE UPDATE: FEEDER ROUTE CHANGED FROM "DBL VOR/DME-SITWO" TO "WOKUV-PIKNE". COURSE/DISTANCE CHANGED FROM 299.63/4.22 TO 296.64/6.61 - DBL VOR/DME AND SITWO REMOVED TO MEET THE LEG REQUIREMENT.
2. TERMINAL ROUTE UPDATE: INITIAL ROUTE CHANGED FROM "SITWO-NALDY" TO "PIKNE-NALDY". COURSE/DISTANCE CHANGED FROM 212.59/5.91 TO 212.09/8.72. ALTITUDE CHANGED FROM 13,000 TO 13,400 - SITWO CHANGED TO PIKNE TO MEET LEG REQUIREMENT.
3. TERMINAL ROUTE UPDATE: REMOVED INITIAL ROUTE "LINDZ-NALDY" COURSE/DISTANCE/ALTITUDE 067.00/5.17/13,000 - DID NOT MEET LEG LENGTH REQUIREMENT IN TARGETS PER CURRENT CRITERIA.
4. TERMINAL ROUTE UPDATE: INTERMEDIATE ROUTE "NALDY-WASLO" COURSE/DISTANCE CHANGED FROM 122.59/4.00 TO 122.54/4.54. ALTITUDE CHANGED FROM 11,900 TO 12,000 - COURSE/DISTANCE RECALCULATED UPDATE. NEW OBSTACLE EVALUATION UPDATE.
5. TERMINAL ROUTE UPDATE: INTERMEDIATE ROUTE "WASLO-ONCAP" ALTITUDE CHANGED FROM 10800 TO 11400 - NEW OBSTACLE EVALUATION UPDATE.
6. TERMINAL ROUTE UPDATE: FINAL STEPDOWN ROUTE "ONCAP-JOSAN/1.60 NM TO WIDMI" ALTITUDE CHANGED FROM 9920 TO 10300 - NEW OBSTACLE EVALUATION UPDATE.
7. TERMINAL ROUTE UPDATE: FINAL STEPDOWN ROUTE "JOSAN/1.60 NM TO WIDMI"-WIDMI" COURSE CHANGED FROM 150.62 TO 150.61 - COURSE RECALCULATED UPDATE.
8. TERMINAL ROUTE UPDATE: CHANGED MA ROUTE FROM "WIDMI-8237 MSL" TO "WIDMI-8238 MSL" - NEW OBSTACLE EVALUTION UPDATE.
9. TERMINAL ROUTE UPDATE: CHANGED MA ROUTE FROM "8237 MSL-LINDZ" TO "8238 MSL-LINDZ" ALTITUDE FROM 14000 TO 14700 - NEW OBSTACLE EVALUATION UPDATE.
10. LINE 3 UPDATE: FAC CHANGED FROM 147.61 TO 150.61 - FAC RECALCULATED TO REFLECT CURRENT MAGVAR.
11. LINE 4 UPDATE: MIN ALT CHANGED FROM "NALDY 13000, WASLO 11900, ONCAP 10800, JOSAN/1.60 NM TO WIDMI 9920" TO "NALDY 13400, WASLO 12000, ONCAP 11400, JOSAN/1.60 NM TO WIDMI 10300" - NEW OBSTACLE EVALUATION UPDATE.
12. LINE 7 UPDATE: ADDED 20:1 IS CLEAR - IAW 8260.19I PARA 8-6-7.G.(3).
13. CIRCLING MINS UPDATE: CHANGED CAT A MDA/HAA FROM 9540/1720 TO 9900/2163. CHANGED CAT B MDA/HAA FROM 9900/2080 TO 10280/2442 AND CHANGED CAT C MDA/HAA FROM 10060/2240 TO 11020/3182 - NEW OBSTACLE EVALUTION UPDATE.
14. ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS - IAW 8260.19I, PARA 8-6-8B(2).
15. DELETED CHART NOTE: DME/DME RNP-0.3 NA - IAW 8260.19H, PARA 4-6-10E AND MEMO 266 DATED 7/18/2018.
16. CHANGED CHART PROFILE NOTE FROM "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19I, PARA 8-6-9.M.(1).
17. CHART SPEED ICON IN PLANVIEW AT NALDY: MAX 190 KIAS - TO MEET PIKNE-NALDY INITIAL LEG REQUIREMENT IN TARGETS.
18. CHART SPEED ICON IN PLANVIEW AT WASLO: MAX 230 KIAS - TO MEET NALDY-WASLO INTERMEDIATE LEG REQUIREMENT IN TARGETS.
19. CHART SPEED ICON IN PLANVIEW AT ONCAP: MAX 230 KIAS - TO MEET WASLO-ONCAP INTERMEDIATE STEPDOWN LEG REQUIREMENT IN TARGETS.
20. ADDED CHART NOTE "RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19I PARA 8-6-11K(3).
21. ADDITIONAL FLIGHT DATA UPDATE: CHANGED JOSAN TO RW15 FROM "6.22/55 TO 7.29/54.6 - NEW OBSTACLE EVALUATION UPDATE.
22. ADDITIONAL FLIGHT DATA UPDATE: CHANGED "CHART FAS OBST: 8779 100' TREE 391607N/1065418W, FAS OBST: 9749 100' TREE 392023N/1065304W" TO "CHART FAS OBST: 8666 TREE (08-107675) 391608N/1065420W"- NEW OBSTACLE EVALUATION UPDATE.
23. ADDITIONAL FLIGHT DATA UPDATE: CHANGED "CHART 9993 TREE 392024N/1065331W" TO "CHART 8642 TREE 391610N/1065418W" - NEW 7:1 OBSTACLE UPDATE
24. MA INSTRUCTION CHANGED FROM "CLIMBING RIGHT TURN TO 14000 DIRECT LINDZ AND HOLD OR CLIMBING RIGHT TURN TO 14000 VIA I-PKN NORTHWEST COURSE 303° TO LINDZ INT/DBL 12.62 DME AND HOLD" TO "CLIMBING RIGHT TURN TO 14700 DIRECT LINDZ AND HOLD, CONTINUE CLIMB-IN-HOLD TO 14700" - GROUND-BASED MA INSTRUCTION NO LONGER REQUIRED. NEW OBSTACLE EVALUATION UPDATE.
25. ADDED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY - NEW TARGETS INOPERATIVE TABLE NOTES EVALUATION UPDATE.
26. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA - NO BACKUP ALTIMETER SETTING.
27. ADDED CHART NOTE: CIRCLING NA FOR CAT C SOUTHWEST OF RWY 15-33 - PER CURRENT LOC/DME-E PROCEDURE.
28. LNAV MINS UPDATE: LNAV ALL CATS MDA/HAT CHANGED FROM 9280/1600 TO 9900/2163 - NEW OBSTACLE EVALUATION UPDATE PER TARGETS RESULTS.



AIRPORT ID
ASE

PROCEDURE NAME
RNAV (GPS) Z RWY 15

ORIGINAL/AMENDMENT
1

CITY
ASPEN

STATE
CO

SUBMITTED BY

OFFICE

DATE

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY
KWEKU DONKOR

Digitally signed by
KWEKU DONKOR
Feb 29, 2024

OFFICE
AJV-A433

DATE
07/24/2023

RECOMMENDED BY
JOHNNIE BAKER III

OFFICE
AJV-A430

DATE

TITLE
MANAGER

APPROVED BY

OFFICE

DATE

TITLE

QUALITY
10
CHECKED

**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>
ASE	RNAV (GPS) Z RWY 15	1	ASPEN	CO	7838	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM WOKUV **TO** PIKNE

RNP 1.00 **DISTANCE** 6.61 **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	392621.00N/1065339.00W	11962	215	8	4B	2000					14000
TERRAIN	392621.00N/1065339.00W	11761 (11800)								AS1500	13300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM PIKNE **TO** NALDY

RNP 1.00 **DISTANCE** 8.72 **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	392621.00N/1065339.00W	11962	215	8	4B	1000				PR380	13400
TERRAIN	392906.00N/1065712.00W	11515 (11500)								AS1500	13000

COMPUTATIONS

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

SEGMENT REMARKS:



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INTERMEDIATE

FROM NALDY **TO** WASLO

RNP 1.00 **DISTANCE** 4.54 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392448.00N/1070042.00W	11080	215	8	4B	500				PR320 AT100	12000
TERRAIN	392439.00N/1070051.00W	10846 (10800)								AS1000	11800

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM WASLO **TO** ONCAP

RNP 1.00 **DISTANCE** 4.00 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392127.00N/1065500.00W	10263	215	8	4B	500				PR320 AT317	11400
TERRAIN	392127.00N/1065500.00W	10062 (10100)								AS1000	11100

COMPUTATIONS

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

SEGMENT REMARKS:



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ASE

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RNAV (GPS) Z RWY 15

AMDT NO.
1

CITY
ASPEN

STATE
CO

AIRPORT ELEVATION
7838

FACILITY
RNAV

FINAL: LNAV

FROM
ONCAP

TO
JOSAN/1.60 NM TO WIDMI

RNP
0.30

DISTANCE
2.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TERRAIN (08-026114)	391835.36N/1065437.28W	9156 (9156)	100	50	3D	250				PR250 DG644	10300

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM
JOSAN/1.60 NM TO WIDMI

TO
WIDMI

RNP
0.30

DISTANCE
1.60

PAT

MAP
WIDMI

HAT
2163

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (08-107675)	391607.51N/1065420.22W	8666	20	3	1A	250				PR200 SA-82 MA866	9900

COMPUTATIONS

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

SEGMENT REMARKS:



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AMDT NO.
1

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AIRPORT ELEVATION
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FACILITY
RNAV

MISSED APPROACH: LNAV

FROM
WIDMI **TO**
LINDZ

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
9600

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BUILDING (08-044612)	391501.89N/1065137.17W	8175	20	10	1B		ASC			SA-67	14700
TREE (08-110846)	391035.26N/1065307.46W	10167	20	10	1B	1000				PR380	11600
TERRAIN	390903.00N/1065803.00W	13061 (13100)								AS1500	14600

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

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (08-021369)	391332.88N/1065010.01W	1.50	2062	9366	20	10	1B	300		SI	9900
CATEGORY B											
TREE (08-104352)	391327.02N/1064911.26W	2.19	2442	9962	20	10	1B	300			10280
CATEGORY C											
TREE (08-102759)	390946.65N/1064938.43W	3.58	3182	10701	20	3	1A	300			11020

CIRCLING REMARKS:

MSA

CENTER **RADIUS**
WIDMI 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	390703.00N/1062642.00W	103	22.2	14623	215	8	4B	1000			15700

MSA REMARKS:



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RNAV

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100' TREE USED ON INTERMEDIATE STEP OBSTACLE/SPOT TERRAIN.

AFS WAIVERS

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ASE APP CON, ASE TOWER, ZDV ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	ASE	24	ASE	0.49	Y	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

BACKUP ALTIMETER SETTING NOT PUBLISHED. NO SUITABLE SOURCE AVAILABLE.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
			3

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW15 - MALSF (PCL), MIRL (PCL), REILNSTD, PAPI-4L (PCL)	NPI-G	
RW33 - REIL (PCL), MIRL (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>	<u>TCH</u>
					3.50	54.6

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>

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RW33
20:1	
8368 TREE (08-045980) 391154.29N/1065139.27W (270.83)	8354 TREE (08-108133) 391155.36N/1065138.85W (261.33)
8346 TREE (08-045978) 391154.81N/1065138.75W (250.59)	8516 TREE (08-042313) 391118.34N/1065129.57W (235.04)



<u>AIRPORT ID</u> ASE	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 15	<u>AMDT NO.</u> 1	<u>CITY</u> ASPEN	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 7838	<u>FACILITY</u> RNAV
8331 TREE (08-101948) 391154.36N/1065137.84W (232.21)						8334 TREE (08-037573) 391153.08N/1065138.86W (230.53)
8377 TREE (08-043535) 391144.01N/1065136.43W (227.19)						8315 TREE (08-036798) 391156.39N/1065137.86W (225.86)
8299 TREE (08-047275) 391158.35N/1065139.90W (221.95)						8524 TREE (08-046674) 391114.20N/1065127.89W (221.11)
8511 TREE (08-045765) 391115.24N/1065127.80W (212.92)						8513 TREE (08-110620) 391114.70N/1065127.38W (211.78)
8332 TREE (08-104707) 391149.50N/1065137.73W (210)						8499 TREE (08-039078) 391116.44N/1065128.75W (207.91)
8489 TREE (08-039073) 391117.94N/1065128.18W (204.24)						8353 TREE (08-102359) 391144.35N/1065135.63W (203.7)
8285 TREE (08-036812) 391157.71N/1065138.64W (203.19)						8287 TREE (08-047439) 391157.44N/1065137.23W (201.98)
8354 TREE (08-046453) 391142.91N/1065135.16W (197.23)						8318 TREE (08-069097) 391149.41N/1065137.14W (194.77)
8288 TREE (08-047360) 391155.05N/1065136.45W (190.57)						8322 TREE (08-043058) 391147.41N/1065135.99W (187.71)
8352 TREE (08-043468) 391140.95N/1065135.45W (186.33)						8257 TREE (08-046641) 391159.15N/1065138.75W (182.17)
8460 TREE (08-043559) 391119.18N/1065128.81W (181.99)						8292 TREE (08-106378) 391151.15N/1065138.09W (178.32)
8255 TREE (08-025974) 391159.08N/1065137.02W (177.47)						8224 TREE (08-036522) 391204.29N/1065141.35W (177.11)
8293 TREE (08-037148) 391150.35N/1065138.18W (175.65)						8218 TREE (08-037062) 391204.99N/1065141.78W (175.02)
8466 TREE (08-039145) 391116.65N/1065126.85W (173.3)						8445 TREE (08-046638) 391120.32N/1065129.17W (172.89)
8312 TREE (08-044678) 391146.22N/1065136.39W (172.61)						8457 TREE (08-110212) 391118.25N/1065127.19W (172.36)
8319 TREE (08-036847) 391144.95N/1065135.32W (172.12)						8358 TREE (08-044115) 391136.92N/1065134.57W (172.01)
8208 TREE (08-109095) 391205.61N/1065142.04W (168.31)						8231 TREE (08-108583) 391200.92N/1065140.24W (166.6)
8276 TREE (08-046519) 391151.92N/1065138.31W (166.28)						8297 TREE (08-102757) 391148.08N/1065135.54W (165.27)
8257 TREE (08-039162) 391156.03N/1065135.68W (163.17)						8229 TREE (08-039821) 391200.42N/1065139.00W (160.54)
8262 TREE (08-039061) 391153.96N/1065137.25W (160.5)						8238 TREE (08-047607) 391158.87N/1065137.20W (159.72)
8355 TREE (08-111074) 391135.14N/1065132.98W (158.39)						8316 TREE (08-039868) 391143.10N/1065133.81W (158.28)
8298 TREE (08-039142) 391146.35N/1065134.63W (156.82)						8240 TREE (08-071079) 391157.59N/1065135.90W (153.87)
8274 TREE (08-042167) 391150.78N/1065134.55W (153.72)						8278 TREE (08-109353) 391149.59N/1065134.12W (151.49)
8307 TREE (08-108392) 391143.34N/1065133.08W (149.42)						8276 TREE (08-047795) 391148.38N/1065136.68W (147.25)
8259 TREE (08-040071) 391151.27N/1065137.14W (144.59)						8267 TREE (08-042143) 391149.76N/1065134.59W (141.94)
8348 TREE (08-046598) 391133.12N/1065132.77W (141.52)						8317 TREE (08-105670) 391139.20N/1065134.33W (141.5)
8317 TREE (08-044498) 391138.91N/1065134.44W (140.27)						8245 TREE (08-068956) 391152.86N/1065135.33W (135.65)
8241 TREE (08-039239) 391152.91N/1065137.06W (134.26)						8437 TREE (08-046690) 391114.64N/1065126.05W (133.67)
8321 TREE (08-040786) 391137.08N/1065132.95W (133.55)						8336 TREE (08-068959) 391133.83N/1065131.52W (131.18)
8425 TREE (08-106071) 391116.15N/1065125.81W (128.51)						8200 TREE (08-036533) 391200.24N/1065136.81W (127.68)
8440 TREE (08-102393) 391112.09N/1065127.64W (126.76)						8262 TREE (08-044676) 391147.55N/1065133.61W (125.11)
8254 TREE (08-044726) 391148.74N/1065134.98W (124.63)						8185 TREE (08-044170) 391201.47N/1065138.76W (121.19)
8184 TREE (08-109590) 391201.44N/1065137.99W (118.99)						8399 TREE (08-044542) 391119.07N/1065127.45W (118.6)
8173 TREE (08-040908) 391202.93N/1065140.26W (118.17)						8316 TREE (08-045983) 391135.17N/1065131.73W (117.82)
8257 TREE (08-046273) 391146.66N/1065132.32W (114.13)						8388 TREE (08-105885) 391120.29N/1065126.98W (112.74)

QUALITY
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CHECKED

<u>AIRPORT ID</u> ASE	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 15	<u>AMDT NO.</u> 1	<u>CITY</u> ASPEN	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 7838	<u>FACILITY</u> RNAV
8170 TREE (08-040800) 391201.79N/1065140.52W (110.11)						8413 TERRAIN (08-039898) 391113.25N/1065126.97W (104.34)
8236 TREE (08-070806) 391148.71N/1065132.85W (103.57)						8323 TREE (08-103630) 391130.29N/1065132.68W (102.98)
8415 TERRAIN (08-046146) 391112.34N/1065127.62W (102.92)						8373 TREE (08-037093) 391121.03N/1065128.01W (102.66)
8142 TREE (08-069099) 391205.83N/1065141.40W (102.48)						8273 TREE (08-046637) 391140.31N/1065133.93W (102.21)
8105 TREE (08-036528) 391212.12N/1065143.17W (97.74)						8213 TREE (08-040029) 391151.93N/1065133.56W (96.82)
8246 TREE (08-040919) 391144.71N/1065133.84W (95.96)						8182 TREE (08-107611) 391157.84N/1065134.78W (95.52)
8198 TREE (08-037572) 391154.20N/1065135.47W (95.2)						8374 TREE (08-036998) 391119.56N/1065126.26W (94.3)
8260 TREE (08-036558) 391141.38N/1065133.63W (93.88)						8303 TREE (08-037527) 391132.26N/1065131.99W (91.38)
8215 TREE (08-039998) 391150.57N/1065132.79W (91.31)						8396 TREE (08-106845) 391114.26N/1065125.61W (90.27)
8267 TREE (08-068960) 391139.26N/1065133.08W (90.07)						8246 TREE (08-102967) 391144.14N/1065131.49W (90.04)
8142 TREE (08-046467) 391203.22N/1065138.55W (86.2)						8132 TREE (08-045422) 391204.87N/1065139.57W (85.42)
8152 TREE (08-043457) 391201.72N/1065135.75W (85.25)						8215 TREE (08-104111) 391149.40N/1065130.81W (83.05)
8237 TREE (08-045667) 391144.15N/1065132.71W (82.76)						8342 TRAMWAY (08-105174) 391122.83N/1065129.82W (82.68)
8138 TREE (08-039905) 391203.58N/1065137.36W (82.28)						8272 TREE (08-045628) 391136.56N/1065131.75W (80.44)
8346 TERRAIN (08-043485) 391121.26N/1065130.27W (79.85)						8156 TREE (08-070804) 391159.69N/1065135.46W (79.23)
8343 TREE (08-046458) 391122.24N/1065128.00W (78.39)						8161 TREE (08-044157) 391158.64N/1065134.41W (77.81)
8308 TERRAIN (08-042930) 391128.03N/1065132.12W (76.49)						8259 TREE (08-108240) 391138.19N/1065132.49W (76.19)
8367 TREE (08-045652) 391117.16N/1065125.48W (74.84)						8111 TREE (08-110813) 391206.76N/1065140.17W (74.21)
8337 TREE (08-110454) 391122.50N/1065128.42W (74.2)						8081 TREE (08-026201) 391212.21N/1065142.45W (73.18)
8359 TREE (08-037383) 391118.39N/1065125.46W (72.65)						8092 TRAMWAY (08-103218) 391209.48N/1065143.37W (72.49)
8188 TREE (08-046316) 391152.46N/1065131.61W (71.66)						8287 TREE (08-068962) 391131.26N/1065131.69W (70.22)
8288 TREE (08-045478) 391131.54N/1065129.96W (70.18)						8134 TREE (08-044650) 391201.75N/1065137.38W (69.62)
8236 TREE (08-106048) 391141.32N/1065132.58W (68.16)						8107 TREE (08-039068) 391206.11N/1065140.05W (66.96)
8220 TREE (08-039909) 391144.42N/1065131.88W (65.9)						8167 TREE (08-037509) 391154.29N/1065134.04W (62.67)
8211 TREE (08-041793) 391145.46N/1065132.48W (62.65)						8323 TREE (08-044174) 391123.29N/1065126.52W (61.34)
8234 TREE (08-071086) 391140.41N/1065131.97W (61)						8095 TREE (08-039087) 391207.14N/1065140.36W (60.27)
8150 TREE (08-039161) 391156.87N/1065134.93W (59.12)						8296 TERRAIN (08-040948) 391127.33N/1065130.55W (59.02)
8230 TREE (08-105247) 391141.06N/1065129.80W (57.12)						8085 TREE (08-045510) 391208.11N/1065140.73W (55.38)
8105 TREE (08-070946) 391204.61N/1065137.42W (54.24)						8282 TERRAIN (08-043049) 391128.79N/1065131.26W (52.92)
8298 TERRAIN (08-047391) 391125.12N/1065131.05W (51.23)						8320 TREE (08-070945) 391121.74N/1065126.66W (51.18)
8287 TERRAIN (08-111207) 391127.49N/1065130.20W (50.3)						8349 TREE (08-070943) 391115.81N/1065125.06W (49.87)
8065 TRAMWAY (08-101950) 391210.51N/1065142.89W (49.72)						8161 TREE (08-046379) 391153.78N/1065130.47W (49.36)
8292 TERRAIN (08-068961) 391126.10N/1065130.28W (48.82)						8225 TREE (08-070572) 391140.45N/1065129.33W (48.58)
8212 TREE (08-071088) 391142.09N/1065132.56W (47.78)						8247 TREE (08-046594) 391135.01N/1065130.22W (46)
8226 TREE (08-107855) 391139.15N/1065130.95W (45.63)						8224 TREE (08-037380) 391139.05N/1065131.33W (43.68)



<u>AIRPORT ID</u> ASE	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 15	<u>AMDT NO.</u> 1	<u>CITY</u> ASPEN	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 7838	<u>FACILITY</u> RNAV
8075 TERRAIN (08-108646)	391207.16N/1065142.70W (43.57)		8174 TREE (08-036630)	391149.48N/1065130.87W (42.52)		
8114 TREE (08-036708)	391200.70N/1065135.57W (42.17)		8296 TERRAIN (08-043514)	391123.64N/1065130.93W (42.04)		
8223 TREE (08-042277)	391139.68N/1065128.45W (41.72)		8197 TREE (08-046716)	391143.47N/1065131.38W (37.71)		
8104 TREE (08-102784)	391201.99N/1065134.71W (37.11)		8135 TREE (08-041130)	391155.59N/1065134.16W (37)		
8148 TREE (08-110472)	391153.46N/1065131.85W (36.73)		8262 TREE (08-042242)	391130.49N/1065127.26W (35.5)		
8313 TREE (08-047516)	391120.32N/1065125.05W (35.24)		8201 TREE (08-104506)	391142.41N/1065130.32W (35.23)		
8173 TREE (08-040005)	391147.73N/1065131.54W (34.13)		8188 TREE (08-046836)	391144.70N/1065130.51W (33.35)		
8257 TERRAIN (08-046381)	391129.80N/1065131.24W (32.68)		8292 TERRAIN (08-046791)	391122.74N/1065130.06W (32.58)		
8282 TERRAIN (08-107520)	391124.90N/1065129.13W (31.55)		8289 TRAMWAY (08-103614)	391123.78N/1065127.58W (31.12)		
8202 TREE (08-047314)	391141.15N/1065130.63W (30.68)		8280 TERRAIN (08-040920)	391125.08N/1065128.87W (30.05)		
8061 TERRAIN (08-039798)	391207.18N/1065142.11W (28.86)		8050 TERRAIN (08-046633)	391209.14N/1065143.10W (28.51)		
8103 TREE (08-047274)	391200.32N/1065134.89W (28.43)		8262 TERRAIN (08-043622)	391128.34N/1065129.45W (28.31)		
8218 TREE (08-107294)	391137.72N/1065128.53W (27.54)		8240 TREE (08-044183)	391132.52N/1065130.42W (27.46)		
8065 TREE (08-045357)	391206.99N/1065138.65W (27.22)		8226 TREE (08-108692)	391135.51N/1065129.70W (26.66)		
8308 TREE (08-037381)	391119.40N/1065124.12W (24.61)		8338 TERRAIN (08-037456)	391112.19N/1065126.32W (23.42)		
8039 TERRAIN (08-065384)	391210.26N/1065143.54W (23.42)		8261 TERRAIN (08-039144)	391127.61N/1065128.57W (22.64)		
8315 TREE (08-044121)	391117.41N/1065124.11W (22.15)		8101 TREE (08-046544)	391159.47N/1065134.46W (21.81)		
8239 TREE (08-039241)	391131.83N/1065129.03W (21.28)		8072 TREE (08-103870)	391204.89N/1065136.37W (21.13)		
8264 TERRAIN (08-041797)	391126.57N/1065128.78W (20.99)		8151 TREE (08-070311)	391149.89N/1065130.42W (20.84)		
8008 TERRAIN (08-102607)	391215.87N/1065144.78W (20.73)		8184 TREE (08-070803)	391142.33N/1065131.12W (18.95)		
8205 TREE (08-040787)	391138.02N/1065129.51W (17.3)		8244 TERRAIN (08-109441)	391129.34N/1065129.92W (15.69)		
8286 TREE (08-040819)	391121.73N/1065125.40W (15.41)		8015 TERRAIN (08-045253)	391213.35N/1065144.10W (14.84)		
8126 TREE (08-036970)	391153.39N/1065132.00W (14.61)		8201 TERRAIN (08-047441)	391137.66N/1065131.69W (14.58)		
8034 TREE (08-039112)	391209.96N/1065141.24W (13.85)		8075 TREE (08-047835)	391202.72N/1065136.34W (13.8)		
8080 TREE (08-041053)	391202.06N/1065134.62W (13.32)		7988 POLE (08-039066)	391218.20N/1065145.51W (12.78)		
8112 TREE (08-041132)	391156.09N/1065131.11W (12.19)		8038 TERRAIN (08-037517)	391208.46N/1065142.10W (11.91)		
8208 TREE (08-105855)	391136.28N/1065128.12W (10.14)		8314 TREE (08-070798)	391115.01N/1065123.95W (9.55)		
8293 TREE (08-109166)	391119.57N/1065123.35W (9.36)		8265 TREE (08-037131)	391124.39N/1065127.02W (9.24)		
8128 TREE (08-110722)	391152.22N/1065130.34W (8.79)		8113 TREE (08-107079)	391154.77N/1065132.39W (8.69)		
8303 TREE (08-104963)	391117.15N/1065123.28W (7.78)		8265 TERRAIN (08-040837)	391123.48N/1065128.34W (6.74)		
8035 TREE (08-103147)	391208.75N/1065139.26W (6.4)		8076 TREE (08-042305)	391201.32N/1065135.03W (6.37)		
8215 TREE (08-105856)	391133.67N/1065129.25W (6.31)		8196 TREE (08-107174)	391138.40N/1065126.40W (5.84)		
8315 TERRAIN (08-047519)	391113.55N/1065125.33W (5.52)		8015 TRAMWAY (08-110858)	391211.98N/1065141.69W (5.05)		
8093 TREE (08-046666)	391157.48N/1065133.74W (3.39)		7978 POLE (08-022088)	391218.32N/1065145.52W (3.36)		
8044 TREE (08-102697)	391206.58N/1065137.79W (3.09)		8182 TREE (08-043574)	391139.57N/1065130.22W (2.62)		

QUALITY
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AIRPORT ID
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7838

FACILITY
RNAV

8190 TREE (08-036644) 391138.41N/1065128.14W (2.27)	8111 TREE (08-046528) 391154.21N/1065130.67W (1.68)
8119 TREE (08-046708) 391152.37N/1065131.20W (1.67)	8078 TREE (08-037535) 391200.58N/1065132.66W (1.61)
8106 TREE (08-046516) 391155.07N/1065131.24W (1.53)	8148 TREE (08-036848) 391146.24N/1065130.85W (1.12)
8163 TREE (08-039116) 391143.66N/1065128.44W (0.58)	7981 TREE (08-043940) 391217.59N/1065143.59W (0.25)
FINAL TYPE	LNAV FINAL
34:1	
	9156 TERRAIN (08-026114) 391835.36N/1065437.28W (593.93)
9076 TREE (08-026115) 391832.18N/1065456.22W (507.54)	9014 VEGETATION (08-026113) 391830.16N/1065454.64W (452.45)
8183 TREE (08-106571) 391621.67N/1065407.70W (17.68)	8148 TERRAIN (08-043294) 391611.42N/1065400.26W (17.26)
8159 TREE (08-044177) 391618.54N/1065355.15W (12.52)	8157 TREE (08-105959) 391618.20N/1065354.38W (12.09)
8152 TREE (08-101984) 391614.84N/1065401.88W (10.42)	
PENETRATIONS REMARKS:	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - VDP IS LOCATED BEFORE FINAL FIX, VDP IS LOCATED WITHIN 0.5 NM FROM FINAL FIX..

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

AIS CIRCLING ICON PROJECT RESULTED IN ADMENDMENT OF THIS PROCEDURE DUE TO FAF ALTITUDE CHANGE FROM 10800 TO 11400.

ORDER 8260.3 CHAPTER 2 APPLIED TO 8642 TREE (08-070963) 391609.94N/1065418.26W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID
ASE

PROCEDURE NAME
RNAV (GPS) Z RWY 15

AMDT NO.
1

CITY
ASPEN

STATE
CO

AIRPORT ELEVATION
7838

FACILITY
RNAV

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	3.42
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	159.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	9100
DISTANCE FROM	THLD	TO 1500FT POINT	4.15
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	159.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	9100

THRESHOLD COORDINATES (IF STR-IN)	391355.83N/1065223.33W
ARP COORDINATES	391318.76N/1065205.64W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 33 DISTANCE 1.32 NM
FAF COORDINATES	391854.17N/1065445.94W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
KWEKU DONKOR	AJV-A433	07/24/2023	AERONAUTICAL INFORMATION SPECIALIST

