

**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 ID</u> ALB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ALBANY	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 285	<u>TDZE</u> 285	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 10/06/2022
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 13W
				<u>EPOCH YEAR</u> 1980
				<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>
CAM VOR/DME	IAF	TROSI		TF	FB	1.00	221.01	16.20	3500
CANAN	IAF	TUTDU		TF	FB	1.00	011.89	12.31	3500
TUTDU	IAF	TROSI		TF	FB	1.00	333.69	4.47	3500
MMACK	IAF	TROSI		TF	FB	1.00	281.50	8.00	3500
HINNK	IAF	TROSI		TF	FB	1.00	191.38	7.00	3500
TROSI	IF	YAKUT		TF	FB	1.00	281.38	4.10	2600
YAKUT		JASPP		TF	FB	1.00	281.34	2.16	2200
JASPP	FAF	RW28	MAP	TF	FO	0.30	281.27	5.84	
RW28	MAP	685 MSL		CA			281.27		
685 MSL		ZEJAY		DF	FB	1.00			
ZEJAY		MARIA		TF	FO	1.00	305.20	13.97	3500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT ZEJAY AND ON TRACK 305.20 TO MARIA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT TROSI														
3.	FAC:	281.27	FAF:	JASPP	DIST FAF TO MAP:	5.84	DIST FAF TO THLD:	5.84							
4.	MIN ALT: TROSI 3500, YAKUT 2600, JASPP 2200														
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		498 HAT:	1.42	GS ANT:				
6.	MIN GP INCPT:	2200	GP ALT AT PFAF:	JASPP 2200					OM:		MM:			IM:	
7.	GP ANGLE:	3.02	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	50.0							
8.	MSA FROM: RW28 4700														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING NA WEST OF RWY 1-19.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART NOTE: CIRCLING RWY 10 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CANAN ON V487 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CAM VOR/DME AIRWAY RADIALS 203 CW 285.
CHART SPEED ICON IN PLANVIEW AT TUTDU: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 119.05 INBOUND.
CHART FAS OBST: 510 TREE (36-021298) 424455N/0734558W.
CHART VDP AT 1.31 NM TO RW28.
WAAS CHANNEL # 78124
REFERENCE PATH ID: W28A
CHART CIRCLING ICON.
LTP HAE: 53.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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
LPV DA	783	1 3/8	498	783	1 3/8	498	783	1 3/8	498	783	1 3/8	498			
LNAV/VNAV DA	825	1 1/2	540	825	1 1/2	540	825	1 1/2	540	825	1 1/2	540			
LNAV MDA	780	1	495	780	1	495	780	1 3/8	495	780	1 3/8	495			
CIRCLING	820	1	535	820	1	535	860	1 1/2	575	960	2 1/4	675			



CHANGES - REASONS

1. ADDED TERMINAL ROUTE MMACK TO TROSI. – PROCEDURE REDESIGN PER FPT/ATC.
2. ADDED TERMINAL ROUTE HINNK TO TROSI. - PROCEDURE REDESIGN PER FPT/ATC.
3. TERMINAL ROUTE TUTDU FIX TYPE CHANGED TO IAF. – ATC/FPT REQUEST.
4. TERMINAL ROUTE TROSI TO YAKUT CHARTED ALTITUDE CHANGED FROM 2500 TO 2600. – NEW AIRSPACE CONTROLLING OBSTACLE.
5. TERMINAL ROUTE INTERMEDIATE STEPDOWN LEG CHANGED FROM “YAKUT TO SIMAY, 281.32, 2.09, 2200” TO “YAKUT TO JASPP, 281.34, 2.16, 2200”. – PFAF CHANGED FROM SIMAY TO JASPP AND MOVED TO ALIGN WITH VGSI, IAW 8260.3G 2-6-2.A.
6. TERMINAL ROUTE FINAL LEG CHANGED FROM “SIMAY TO RW28, 281.28, 5.91” TO “JASPP TO RW28, 281.27, 5.84.” – PFAF CHANGED FROM SIMAY TO JASPP AND MOVED TO ALIGN WITH VGSI, IAW 8260.3G 2-6-2.A.
7. TERMINAL ROUTE MISSED APPROACH COURSE CHANGED FROM 281.28 TO 281.27. – TO ALIGN WITH FINAL COURSE IAW 8260.3G 2-8-2.
8. ALL TERMINAL ROUTES ADDED LEG TYPE AND RNP VALUES. – IAW 8260.19J 8-6-4.A(6).
9. PROFILE LINE 3 CHANGED FROM “FAC 281.28, FAF SIMAY, DIST FAF TO MAP 5.91, THLD 5.91” TO “FAC 281.27, FAF JASPP, DIST FAF TO MAP 5.84, DIST FAF TO THLD 5.84.” – PFAF RELOCATED.
10. PROFILE LINE 4 YAKUT CHANGED FROM 2500 TO 2600. – NEW AIRSPACE CONTROLLING OBSTACLE.
11. PROFILE LINE 5, MOVED FROM ADDITIONAL DATA AND CHANGED FROM “DISTANCE TO THLD FROM 498 HATH: 1.43NM” TO “498 HAT: 1.42”. – IAW 8260.19J 8-6-7.E(3), FINAL REDESIGN PER ATC/FPT.
12. PROFILE LINE 6 GS ALT AT SIMAY 2200 CHANGED TO GP ALT AT PFAF JASPP 2200. - PFAF CHANGED FROM SIMAY TO JASPP.
13. PROFILE LINE 7 GP ANGLE CHANGED FROM 3.00 TO 3.02 AND TCH CHANGED FROM 40.0 TO 50.0. – TO ALIGN WITH VGSI, IAW 8260.3G 2-6-2.A.
14. PROFILE LINE 7 ADDED 20:1 IS CLEAR. – IAW 8260.19J 8-6-7.G(3).
15. CHART NOTE “RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA” CHANGED FROM “1 SM NA” TO “3/4 SM NOT AUTHORIZED”. – NO 20:1 PENETRATIONS, IAW 8260.19J 8-6-12.K(2).
16. CHART NOTE “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, NAV/VNAV NA BELOW -18°C OR ABOVE 42°C” CHANGED FROM “-18°C OR ABOVE 42°C” TO “-20°C OR ABOVE 54°C”. – UPDATED HISTORICAL TEMPERATURE DATA.
17. CHART NOTE “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CANAN ON V487 SOUTHWEST BOUND AND V130 SOUTHEAST BOUND” REMOVED “V130 SOUTHEAST BOUND”. – V130 NO LONGER EXISTS.
18. CHART NOTE “PROCEDURE NA FOR ARRIVALS ON CAM VOR/DME AIRWAY RADIALS 203 CW 286” CHANGED FROM “RADIALS 203 CW 286” TO “RADIALS 203 CW 285”. – TO ALIGN WITH PUBLISHED ROUTE T316.
19. REMOVED CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. – NO 20:1 PENETRATIONS.
20. ADDED NOTE “CHART SPEED ICON IN PLANVIEW AT TUTDU: MAX 210 KIAS.” – PER ATC/FPT REQUEST.
21. ADDED OBSTACLE NUMBER TO CHART FAS OBST: 510 TREE (36-021298) 424455N/0734558W. – IAW 8260.19J 8-6-11.E.
22. REMOVED ADDITIONAL FLIGHT DATA: 719 MSL AAO 424437N/0733930W. – NEW OBSTACLE, MOVED TO GENERAL REMARKS PART C IAW 8260.19 8-6-11.C
23. ADDED CHART VDP AT 1.31 NM TO RW28. – 20:1 IS CLEAR, IAW 8260.3G 2-6-5.
24. LTP HAE CHANGED FROM 53.2 M TO 53.1 M. – NEW TCH AND GPA TO ALIGN WITH VGSI.
25. MINIMUMS LPV VISIBILITY ALL CATS CHANGED FROM 1 3/4 SM TO 1 3/8 SM. – IAW 8260.3G 3-3-1 VISIBILITY TABLES.
26. MINIMUMS LNAV/VNAV VISIBILITY ALL CATS CHANGED FROM 1 7/8 SM TO 1 1/2 SM. – IAW 8260.3G 3-3-1 VISIBILITY TABLES.
27. FAS DATA: LTP/FTP LAT/LONG DATA CHANGED FROM 424458.8220N/0734723.1815W TO 424458.8310N/734723.0525W AND FPAP LAT/LONG CHANGED FROM 424455.9900N/0734924.0500W TO 424455.9870N/734923.9210W. – UPDATED AIRNAV DATA, RWY 28 DISPLACED THRESHOLD.
28. FAS DATA: LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +00532 TO +00531. – NEW FAS DATA CALCULATIONS.
29. FAS DATA: TCH AND GPA CHANGED FROM 00040.0/03.00 TO 00050.0/03.02. – ALIGN WITH VGSI.
30. FAS DATA: CRC REMAINDER CHANGED FROM E7D73BA3 TO 7BD5CF61, LTP AND FPAP ORTHOMETRIC HEIGHTS CHANGED FROM +00846 TO +00845. – NEW FAS DATA CALCULATIONS.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, ALB ATC, AMGR

FLIGHT CHECKED BY**OFFICE****DATE****DEVELOPED BY**

JAMIE KUNKLER

OFFICE

AJV-A432

DATE

05/08/2025

APPROVED BY

CASIMIR L. TABAKA

OFFICE

AJV-A432

DATE**TITLE**

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KALB
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	424458.8310N
LTP/FTP LONGITUDE	0734723.0525W
LTP/FTP ELLIPSOIDAL HEIGHT	+00531
FPAP LATITUDE	424455.9870N
FPAP LONGITUDE	0734923.9210W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.02
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7BD5CF61

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00845
FPAP ORTHOMETRIC HEIGHT	+00845



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>
ALB	RNAV (GPS) RWY 28	1	ALBANY	NY	285	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM CAM VOR/DME **TO** TROSI

RNP 1.00 DISTANCE 16.20 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	424748.00N/0732639.00W	1884	215	8	4B	1000				AT616	3500
TERRAIN	424748.00N/0732639.00W	1683 (1700)								AS1500	3200

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM CANAN **TO** TUTDU

RNP 1.00 DISTANCE 12.31 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	423851.00N/0732642.00W	2169	215	8	4B	1000					3200
TERRAIN	423851.00N/0732642.00W	1968 (2000)								AS1500	3500

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM

TUTDU

TO

TROSI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	4.47										
<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	424400.00N/0732603.00W	2008	215	8	4B	1000				AT492	3500
TERRAIN	424400.00N/0732603.00W	1807 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

MMACK

TO

TROSI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	8.00										
<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	424409.00N/0732557.00W	2021	215	8	4B	1000				AT369 PR110	3500
TERRAIN	424403.00N/0732600.00W	1820 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

HINNK

TO

TROSI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.00										
<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	424448.00N/0732918.00W	1874	215	8	4B	1000				AT626	3500
TERRAIN	424448.00N/0732918.00W	1673 (1700)								AS1500	3200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

TROSI

TO

YAKUT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	4.10										
<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	424448.00N/0732918.00W	1874	215	8	4B	500					2400
TERRAIN	424412.00N/0732924.00W	1601 (1600)								AS1000	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

YAKUT

TO

JASPP

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	2.16										
<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 (36-000272)	424708.83N/0733741.56W	1688	20	50	1D	500				SA-140 DG152	2200
TERRAIN	424712.00N/0733651.00W	1069 (1100)								AS1000	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

JASPP

TO

RW28

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.84		DA				498				
<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>
TREE (36-021298)	424455.12N/0734558.04W	510	20	3	1A		33.77:1			MA31	783

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

JASPP

TO

RW28

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	5.84		DA	540	

<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>
TREE (36-021298)	424455.12N/0734558.04W	510	20	3	1A		23.78:1				825

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM

JASPP

TO

RW28

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	5.84		RW28	495	

<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>
TREE (36-021298)	424455.12N/0734558.04W	510	20	3	1A	250				XP20	780

COMPUTATIONS

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

SEGMENT REMARKS:

XP: TO MATCH PUBLISHED MINIMUMS.

MISSED APPROACH: LPV

FROM

DA

TO

MARIA

RNP 0.30-1.00	DISTANCE	PAT	MAP		HAT		HMAS 483				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (36-021298)	424455.12N/0734558.04W	510	20	3	1A		ASC				3500
TOWER (36-001657)	424805.54N/0741048.94W	1659	20	3	1A	1000					2700
TERRAIN	424745.00N/0741215.00W	1453 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

MARIA

RNP 0.30-1.00	DISTANCE	PAT	MAP		HAT		HMAS 664				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (36-021298)	424455.12N/0734558.04W	510	20	3	1A		ASC				3500
TOWER (36-001657)	424805.54N/0741048.94W	1659	20	3	1A	1000					2700
TERRAIN	424745.00N/0741215.00W	1453 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW28

TO

MARIA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
0.30-1.00									680		
<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>
TREE (36-021298)	424455.12N/0734558.04W	510	20	3	1A		ASC				3500
TOWER (36-001657)	424805.54N/0741048.94W	1659	20	3	1A	1000					2700
TERRAIN	424745.00N/0741215.00W	1453 (1500)								AS1500	3000

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											
TREE (36-021298)	424455.12N/0734558.04W	1.30	535	510	20	3	1A	300			820
CATEGORY B											
TREE (36-164290)	424329.06N/0734558.15W	1.81	535	513	20	10	1B	300			820
CATEGORY C											
ANTENNA (36-163552)	424310.86N/0734534.07W	2.85	575	553	20	10	1B	300			860
CATEGORY D											
AAO	424821.00N/0734530.00W	3.72	675	620	215	8	4B	300		XP40	960

CIRCLING REMARKS:

XP: TO MATCH PUBLISHED MINIMUMS.

MSA

CENTER

RW28

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	423815.00N/0730957.00W	116	28.4	3691	215	8	4B	1000			4700

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ALB APP CON, ALB TOWER, ZBW ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	ALB	24	ALB		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

NO BACKUP ALTIMETER COMPUTED PER FPT.

<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>
RW10 - HIRL, C/LINE, REIL		NPI-G	
RW28 - C/LINE, REIL, HIRL, PAPI-4L		NPI-G	
RW01 - MALSR, HIRL, TDZ, C/LINE, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW19 - MALSR, HIRL, TDZ, C/LINE, PAPI-4L		PIR-G	APPROACH, ROLL OUT

<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>
3.02	277.2	50.0			3.22	52.9

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	1192
ON CENTERLINE	☒	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-20C	+54C	-20C	+14.44C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 965 HIGH TEMP 1264.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 10		
20:1			
401 TREE (36-164107) 424459.6100N/0734914.8500W (18.25)	366 TREE (36-160691) 424452.9700N/0734907.6200W (9.13)		
441 TREE (36-161167) 424450.1200N/0734929.0000W (3.95)	356 TREE (36-163399) 424453.5400N/0734906.7200W (2.58)		



AIRPORT ID		PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ALB		RNAV (GPS) RWY 28	1	ALBANY	NY	285	RNAV
388 TREE (36-164773) 424500.2100N/0734916.1900W (0.35)				392 TREE (36-160522) 424459.8000N/0734917.3000W (0.14)			
FINAL TYPE	LPV, LNAV/VNAV & LNAV						
34:1							
510 TREE (36-021298) 424455.1200N/0734558.0400W (52.57)				502 TREE (36-165026) 424451.7300N/0734601.3400W (52.12)			
402 TREE (36-021272) 424504.1900N/0734644.8800W (46.46)				496 TREE (36-165264) 424453.3900N/0734601.3400W (45.97)			
493 TREE (36-164953) 424450.7100N/0734601.5800W (43.75)				399 TREE (36-021234) 424505.3400N/0734643.0000W (39.22)			
391 TREE (36-164141) 424504.2400N/0734646.2400W (38.43)				490 TREE (36-160300) 424500.4200N/0734558.7700W (33.67)			
488 TREE (36-161960) 424459.5800N/0734559.5300W (33.42)				486 TREE (36-164181) 424500.9700N/0734600.1600W (32.67)			
488 TREE (36-162645) 424458.1500N/0734558.7800W (31.91)				490 TREE (36-161030) 424458.3700N/0734557.3500W (30.75)			
487 TREE (36-160805) 424500.9200N/0734558.6700W (30.41)				372 TREE (36-162920) 424455.1500N/0734649.6600W (27.79)			
476 TREE (36-162114) 424500.5700N/0734601.4600W (25.56)				477 TREE (36-160554) 424457.1000N/0734600.5600W (24.91)			
484 TREE (36-164244) 424456.6100N/0734557.0200W (24.19)				367 TREE (36-163910) 424502.9700N/0734650.5700W (24.05)			
471 TREE (36-163005) 424501.9900N/0734602.8800W (23.54)				474 TREE (36-160961) 424455.9700N/0734601.0800W (23.16)			
476 TREE (36-162146) 424452.2900N/0734559.9100W (22.93)				366 TREE (36-021295) 424455.5300N/0734649.9000W (22.28)			
474 TREE (36-163279) 424501.8500N/0734600.8900W (22.19)				480 TREE (36-164435) 424459.6300N/0734557.9300W (21.9)			
477 TREE (36-162231) 424501.5800N/0734558.7200W (20.45)				362 TREE (36-162573) 424455.8300N/0734650.3700W (19.28)			
474 POLE (36-161935) 424455.4000N/0734559.2900W (19.28)				466 TREE (36-160409) 424500.9700N/0734603.0100W (18.92)			
476 TREE (36-165480) 424452.6100N/0734557.4300W (17.46)				464 TREE (36-165153) 424459.9600N/0734603.1400W (17.3)			
373 TREE (36-163903) 424456.4100N/0734644.1000W (16.48)				377 TREE (36-161041) 424505.7500N/0734642.4900W (16.07)			
368 TREE (36-165088) 424454.6500N/0734646.0300W (15.87)				372 TREE (36-164002) 424457.2300N/0734643.7500W (14.63)			
458 TREE (36-162882) 424459.9300N/0734604.5500W (14.4)				354 TREE (36-163208) 424455.1100N/0734651.6000W (14.05)			
363 TREE (36-021296) 424456.2900N/0734647.4400W (13.81)				467 TREE (36-162873) 424450.3700N/0734559.5700W (13.37)			
456 TREE (36-163893) 424501.5500N/0734604.5800W (12.31)				359 TREE (36-163790) 424458.8200N/0734648.3800W (11.64)			
362 TREE (36-163447) 424456.7100N/0734646.8400W (11.46)				394 TREE (36-021235) 424504.4400N/0734632.3800W (11.01)			
463 POLE (36-160714) 424453.2900N/0734559.9800W (9.99)				394 TREE (36-021236) 424506.0100N/0734631.8000W (9.6)			
470 TREE (36-162318) 424457.5700N/0734556.3700W (8.68)				452 TREE (36-162335) 424502.3600N/0734604.6300W (8.34)			
454 TREE (36-163008) 424457.9500N/0734603.5000W (8.28)				347 TREE (36-163858) 424456.8400N/0734652.2300W (8.27)			
448 TREE (36-162750) 424454.1500N/0734605.9700W (8.05)				351 TREE (36-164515) 424500.3400N/0734650.4500W (8.03)			
349 TREE (36-165294) 424504.5200N/0734651.4900W (7.92)				447 TREE (36-164366) 424459.3100N/0734606.1200W (6.9)			
360 TREE (36-163222) 424500.0800N/0734645.4500W (6.09)				381 TREE (36-164856) 424456.9600N/0734635.6900W (5.98)			
354 TREE (36-164391) 424459.7800N/0734647.9600W (5.63)				341 TREE (36-164376) 424457.5300N/0734653.4500W (4.88)			
348 TREE (36-165270) 424458.6700N/0734650.1400W (4.51)				446 TREE (36-162392) 424457.2200N/0734605.2700W (4.23)			
341 TREE (36-163190) 424502.1600N/0734653.1900W (3.87)				383 TREE (36-160483) 424456.5100N/0734633.8000W (3.87)			
346 TREE (36-163225) 424457.2000N/0734650.6300W (3.72)				389 TREE (36-160965) 424506.9700N/0734631.3700W (3.56)			
444 TREE (36-164946) 424455.5600N/0734605.1400W (2.1)				380 TREE (36-164229) 424459.2600N/0734634.3800W (1.89)			

QUALITY
40
P



<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>
ALB	RNAV (GPS) RWY 28	1	ALBANY	NY	285	RNAV
442 TREE (36-162939) 424455.8500N/0734605.9100W (1.76)			333 TREE (36-162198) 424502.8400N/0734655.5100W (0.9)			
385 TREE (36-162909) 424454.8200N/0734631.4400W (0.86)						
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

THRESHOLD DISPLACED 1192.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT 100 FT USED PER FPT.

APPLIED MEMO: WAIVER TO ORDER 8260.58, U.S. STANDARD FOR PBN INSTRUMENT PROCEDURE DESIGN, ON APPENDIX C PBN TRANSITION TO ILS/GLS/LPV FINAL.

ORDER 8260.3 CHAPTER 2 APPLIED TO 725 AAO 424439.00N/0733930.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	3.66
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	268.27
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	11.3
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	268.38
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1600

THRESHOLD COORDINATES (IF STR-IN)	424458.83N/0734723.05W
ARP COORDINATES	424456.82N/0734807.13W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 28 DISTANCE 0.74 NM
FAF COORDINATES	424509.67N/0733927.53W
FIX NAME COORDINATES	IF TROSI 424520.58N/0733058.21W

REMARKS

THLD DISPLACED 1192FT, ACTUAL COORDINATES: 424459.20N/0734707.09W

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JAMIE KUNKLER	AJV-A432	05/08/2025	AERONAUTICAL INFORMATION SPECIALIST