

**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.

<b>AIRPORT ID</b> BWI	<b>PROCEDURE NAME</b> RNAV (RNP) Z RWY 33L	<b>ORIGINAL/AMENDMENT</b> 4	<b>CITY</b> BALTIMORE	<b>STATE</b> MD
<b>AIRPORT ELEVATION</b> 143	<b>TDZE</b> 143	<b>SUPERSEDED</b> RNAV (RNP) Z RWY 33L	<b>DATED</b> 09/08/2022	<b>MAG VAR</b> 11W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b>	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 2000
				<b>CANCEL/SUSPEND</b>

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
KOOLZ	IAF	SPLAT		TF	FB	1.00	008.26	9.05	2400
JANNS	IAF	SPLAT		TF	FB	1.00	335.31	5.55	2400
KEEYY	IF	LABPI		TF	FB	1.00	212.63	6.03	3200
LABPI		GRAFE		RF	FB	1.00	(2.50 NM RADIUS CW (CFFHN))	5.35	1500
SPLAT	IF	GRAFE		TF	FB	1.00	335.25	3.11	1500
GRAFE	PFAF	RW33L	MAP	TF	FO	0.30	335.25	4.12	
RW33L	MAP	496 MSL		CA			335.25		
496 MSL		BMORE		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**  
RNP: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT BMORE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT GRAFE
- FAC: 335.25 PFAF: GRAFE DIST PFAF TO MAP: DIST PFAF TO THLD:
- MIN ALT: GRAFE 1500
- DIST TO THLD FROM PFAF: 4.12 MM: IM: 150 HAT: 353 HAT: 0.97 GS ANT:
- MIN GP INCPT: 1500 GP ALT AT PFAF: GRAFE 1500 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.4
- MSA FROM: RW33L 2600



**PBN REQUIREMENTS NOTE:**

RNP APCH-GPS. FROM KEEYY: RF.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11°C OR ABOVE 54°C.  
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500.  
 CHART SPEED ICON IN PLANVIEW AT KOOLZ: MAX 210 KIAS.  
 CHART SPEED ICON IN PLANVIEW AT JANNS: MAX 210 KIAS.  
 CHART SPEED ICON IN PLANVIEW AT KEEYY: MAX 210 KIAS.

**ADDITIONAL FLIGHT DATA:**

HOLD NW, RT, 155.10 INBOUND.  
 CHART MANDATORY 5000 AT KOOLZ.  
 CHART AT OR ABOVE 4000 AT JANNS.  
 CHART MANDATORY 4000 AT KEEYY.

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
AUTHORIZATION REQUIRED															
RNP 0.30 DA	496	3000	353	496	3000	353	496	3000	353	496	3000	353			

**CHANGES - REASONS**

1. TERMINAL ROUTES: REMOVED JETNA TO LIYCO, LIYCO TO MILRE, AND MILRE TO GRAFE SEGMENTS – REPLACED PER FPT REQUEST TO MEET NOISE ABATEMENT REQUIREMENTS.
2. TERMINAL ROUTES: ADDED KOOLZ TO SPLAT SEGMENT -REPLACED REMOVED SEGMENTS PER FPT REQUEST TO MEET NOISE ABATEMENT REQUIREMENTS.
3. TERMINAL ROUTES: ADDED CA LEG TO 496 MSL – MISSED APPROACH SEGMENT CHANGED FROM RNP TO RNAV.
4. MISSED APPROACH INSTRUCTIONS: UPDATED FROM “CLIMB TO 3000 ON TRACK 335 TO BMORE AND HOLD” TO “CLIMB TO 3000 DIRECT BMORE AND HOLD” - MISSED APPROACH SEGMENT CHANGED FROM RNP TO RNAV.
5. PROFILE LINE 7: UPDATED TCH FROM “55.2” TO “55.4” – NEW DESIGN TCH.
6. PROFILE LINE 7: ADDED 20:1 IS CLEAR – IAW 8260.19J 8-6-7.
7. MSA: UPDATED MSA FROM: FROM “RW33L 2800” TO “RW33L 2600” – UPDATED OBSTACLE EVALUATION, NEW CONTROLLING OBSTACLE.
8. EQUIPMENT REQUIREMENT NOTES: UPDATED FROM “RNP APCH - GPS” TO “RNP APCH - GPS. FROM KEEYY: RF” – IAW 826019J 8-6-8.
9. NOTES: ADDED “CHART SPEED ICON IN PLANVIEW AT KOOLZ: MAX 210 KIAS” AND REMOVED “CHART PLANVIEW NOTE AT JETNA: MAX 210 KIAS” – TO MEET LEG LENGTH REQUIREMENTS, IAW 8260.19J 8-6-9.
10. NOTES: REMOVED “CHART PLANVIEW NOTE ADJACENT TO JETNA: RF REQUIRED,” “CHART PLANVIEW NOTE ADJACENT TO KEEYY: RF REQUIRED,” “CHART PLANVIEW NOTE AT JETNA: (RNP 0.30),” AND “CHART PLANVIEW NOTE ADJACENT JANNS: RADAR REQUIRED FOR PROCEDURE ENTRY AT JANNS” – NO LONGER REQUIRED.
11. NOTES: UPDATED FROM “CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5700” TO “CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 VISIBILITY ALL CATS TO RVR 5500” – UPDATED AND MOVED TO PART C: GENERAL REMARKS.
12. NOTES: UPDATED CHART NOTE FROM “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12°C OR ABOVE 54°C” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11°C OR ABOVE 54°C.” – NEW FIVE-YEAR HISTORICAL TEMPS.
13. ADDITIONAL FLIGHT DATA: REMOVED “#TCH: 187.4 MSL (DO NOT CHART),” “CHART MINIMUM 6000 AT JETNA,” “CHART TDZE 143,” “ROUTE TYPE: A,H,” “ROUTE TYPE QUALIFIER 1. F” AND “ROUTE TYPE QUALIFIER 2. S” – NO LONGER REQUIRED.
14. ADDITIONAL FLIGHT DATA: REMOVED “DISTANCE TO THLD FROM 353 HAT: 0.93 NM” – UPDATED TO “353 HAT: 0.97” AND MOVED TO PROFILE LINE 5 – IAW 8260.19J 8-6-7.
15. ADDITIONAL FLIGHT DATA: ADDED “CHART MANDATORY 5000 AT KOOLZ” AND UPDATED NOTE FROM “CHART MINIMUM 4000 AT JANNS” TO “CHART AT OR ABOVE 4000 AT JANNS” – REQUIRED DUE TO CONNECTING STARS.
16. MINIMUMS: UPDATED RNP 0.30 DA VISIBILITY FROM “3400” TO “3000” – IAW 8260.3E TABLE 3-3-1.



**AIRPORT ID**  
BWI

**PROCEDURE NAME**  
RNAV (RNP) Z RWY 33L

**ORIGINAL/AMENDMENT**  
4

**CITY**  
BALTIMORE

**STATE**  
MD

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**

**OTHER:** ZDC, POTOMAC APP CON, BWI ATCT, AMGR.

**FLIGHT CHECKED BY**

MICHAEL G CAMPBELL

**ERIC N SUSKI**

Jul 25, 2024

**OFFICE**

FPO

**DATE**

07/23/2024

**DEVELOPED BY**

ERIC N SUSKI (JUDITH TUTTLE)

*Digitally signed by*

**ERIC N SUSKI**

Jun 13, 2024

**OFFICE**

AJV-A431

**DATE**

06/07/2024

**APPROVED BY**

ERIC N SUSKI

*Digitally signed by*

**ERIC N SUSKI**

Jun 13, 2024

**OFFICE**

AJV-A431

**DATE**

**TITLE**  
MANAGER



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

<u>AIRPORT ID</u> BWI	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 33L	<u>AMDT NO.</u> 4	<u>CITY</u> BALTIMORE	<u>STATE</u> MD	<u>AIRPORT ELEVATION</u> 143	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**

<b>FROM</b> KOOLZ (IF/IAF)	<b>TO</b> SPLAT
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<u>RNP</u> 1.00	<u>DISTANCE</u> 9.05	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-000913)	390036.77N/0763631.88W	1049	20	3	1A	1000				AC3 AT348	2400
TERRAIN	390303.00N/0763657.00W	209 (200)								AS1500	1700

**COMPUTATIONS**

<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>
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**SEGMENT REMARKS:**

**INITIAL**

<b>FROM</b> JANNS (IF/IAF)	<b>TO</b> SPLAT
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<u>RNP</u> 1.00	<u>DISTANCE</u> 5.55	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-000334)	385907.00N/0763156.00W	384	500	125	5E	500				AC125 AT1391	2400
TERRAIN	390248.00N/0763600.00W	187 (200)								AS1500	1700

**COMPUTATIONS**

<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>
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**SEGMENT REMARKS:**



**AIRPORT ID**  
BWI

**PROCEDURE NAME**  
RNAV (RNP) Z RWY 33L

**AMDT NO.**  
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**CITY**  
BALTIMORE

**STATE**  
MD

**AIRPORT ELEVATION**  
143

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
KEEYY

**TO**  
LABPI

**RNP** 1.00      **DISTANCE** 6.03      **PAT**      **MAP**      **HAT**      **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
STACK (24-000381)	391238.00N/0762921.00W	421	500	50	5D	500				AC50 AT2229	3200
TERRAIN	390739.00N/0763136.00W	124 (100)								AS1500	1600

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE ARC STEPDOWN**

**FROM**  
LABPI

**TO**  
GRAFE

**RNP** 1.00      **DISTANCE** 5.35      **PAT**      **MAP**      **HAT**      **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-000454)	390558.00N/0763721.00W	532	500	125	5E	500				AC125 AT343	1500
TERRAIN	390524.00N/0763751.00W	183 (200)								AS1000	1200

**COMPUTATIONS**

**RF SEGMENT**    **ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**  
LABPI-GRAFE    3200    210    225.97    3056.6    38.88    2.50    22.24    0    0             (CFFHN)/5.35 NM

**SEGMENT REMARKS:**



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**AIRPORT ELEVATION**  
143

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
SPLAT **TO**  
GRAFE

**RNP** 1.00 **DISTANCE** 3.11 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-000454)	390558.00N/0763721.00W	532	500	125	5E	500				AC125 AT343	1500
TERRAIN	390300.00N/0763627.00W	193 (200)								AS1000	1200

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL**

**FROM**  
GRAFE **TO**  
RW33L

**RNP** 0.30 **DISTANCE** 4.12 **PAT** **MAP** DA **HAT** 353 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	390854.00N/0763951.00W	212	215	8	4B		21.25:1			AC8 XP17	496

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

XP - RETAIN CURRENT MINIMUMS AT MANAGEMENT DISCRETION; 50 FT REDUCTION IN MINIMUMS NOT OBTAINABLE.



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143

**FACILITY**  
RNAV

**MISSED APPROACH: LEVEL SURFACE**

**FROM**  
DA **TO**  
BMORE

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
335

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (24-000450)	391716.23N/0764537.03W	1464	20	3	1A	1000					2500
TERRAIN	392221.00N/0764827.00W	590 (600)								AS1500	2100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MSA**

**CENTER** **RADIUS**  
RW33L 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (24-000503)	393659.00N/0765136.00W	352	28.5	1598	500	125	5E	1000			2600

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**



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**FACILITY**  
RNAV

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

BWI TOWER, POTOMAC APP CON

<b>WX SERVICE</b>	<b>LOCATION</b>	<b>HRS OPERATION</b>	<b>ALTIMETER SOURCE</b>	<b>DISTANCE</b>	<b>SERVICE-A</b>	<b>ADJUSTMENTS</b>
ASOS	BWI	24	BWI	0	Y	0

<b>BACK-UP WX SERVICE</b>	<b>LOCATION</b>	<b>HRS OPERATION</b>	<b>ALTIMETER SOURCE</b>	<b>DISTANCE</b>	<b>SERVICE-A</b>	<b>ADJUSTMENTS</b>
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**WX REMARKS:**

BACKUP ALTIMETER SETTING NOT REQUIRED; REDUNDANT LOCAL SOURCES EXIST.

<b>PRIMARY NAVAID</b>	<b>MONITOR POINT</b>	<b>HRS OPERATION</b>	<b>CAT</b>
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<b>APPROACH AND RUNWAY LIGHTING SYSTEM</b>	<b>RUNWAY MARKINGS</b>	<b>RUNWAY VISUAL RANGE</b>
RW10 - ALSF-2, TDZ, C/LINE, HIRL, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW15L - REIL, HIRL, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW15R - MALSR, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW28 - MALSR, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW33L - MALSR, C/LINE, HIRL, TDZ, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW33R - MALSR, REIL, HIRL, PAPI-4L	PIR-G	APPROACH, ROLL OUT

<b>GLIDESLOPE ANGLE</b>	<b>ELEV RWY THRESHOLD</b>	<b>TCH</b>	<b>ELEV GS ANTENNA</b>	<b>DISTANCE FROM RWY</b>	<b>VGSI ANGLE</b>	<b>TCH</b>
3.00	132.0	55.4			3.00	72.3

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	500
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		

**CRITICAL TEMPERATURES**

<b>CRITICAL LOW</b>	<b>CRITICAL HIGH</b>	<b>ACT</b>	<b>APT ISA</b>
-11C	+54C	-11C	+14.72C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018-2022).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 957 HIGH TEMP 1262.

**"VISUAL PORTION OF FINAL" PENETRATIONS**





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**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 - RNP PROCEDURE.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
100 FOOT TREES USED PER EASTERN FPT.

**PART D: AIRSPACE**

**DOCKET #**

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

<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1000FT POINT</b>	3.18
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1000FT POINT</b>	1.20
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	335.25
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	200
<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1500FT POINT</b>	5.83
<b>WIDTH OF</b>	<b>INTERMEDIATE</b>	<b>SEGMENT AT 1500FT POINT</b>	3.73
<b>TRUE COURSE OF</b>	<b>INTERMEDIATE</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	335.25
<b>HIGH TERRAIN IN</b>	<b>INTERMEDIATE</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	200

**THRESHOLD COORDINATES (IF STR-IN)** 390955.14N/0763948.33W  
**ARP COORDINATES** 391032.62N/0764008.37W  
**RUNWAY APCH END AND DIST FURTHEST FROM ARP** RUNWAY 10 DISTANCE 0.96 NM  
**FAF COORDINATES** 390634.30N/0763642.53W  
**FIX NAME COORDINATES** IF SPLAT 390402.88N/0763422.59W

**REMARKS**

ADDITIONAL 1500 FT POINT IN INTERMEDIATE STEPDOWN SEGMENT FROM LABPI (390706.76N/0763106.85W) ON RF SEGMENT CENTERED ON CFFHN (390802.00N/0763406.08W) WITH 2.50 NM RADIUS; 2.35 NM CCW FROM GRAFE, WIDTH 4.00 NM, HIGH TERRAIN 200.  
THLD DISPLACED 500FT, ACTUAL COORDINATES: 390951.13N/0763944.61W

**PART E: PREPARED BY**

<b>NAME</b>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
ERIC N SUSKI (JUDITH TUTTLE)	AJV-A431	06/07/2024	AERONAUTICAL INFORMATION SPECIALIST

