

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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.

AIRPORT ID BWI	PROCEDURE NAME ILS OR LOC RWY 10 ILS RWY 10 (SA CAT I) ILS RWY 10 (CAT II) ILS RWY 10 (CAT III)	ORIGINAL/AMENDMENT 22	CITY BALTIMORE	STATE MD		
AIRPORT ELEVATION 143	TDZE 143	SUPERSEDED ILS OR LOC RWY 10 ILS RWY 10 (SA CAT I) ILS RWY 10 (CAT II) ILS RWY 10 (CAT III)	ORIGINAL/AMENDMENT 21D	DATED 09/08/2022	MAG VAR 11W	EPOCH YEAR 2000
FACILITY I-BAL	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
REMMY/BAL 17.41 DME/RADAR	IAF	COLUM/BAL 11.53 DME/RADAR					105.20	5.88 (I-BAL)	3000
COLUM/BAL 11.53 DME/RADAR	IAF	EFFYS/BAL 8.34 DME/RADAR					105.20	3.19 (I-BAL)	2300
EFFYS/BAL 8.34 DME/RADAR	IF	JEANS/BAL 5.34 DME/RADAR					105.20	3.00 (I-BAL)	1500

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.09 NM AFTER JEANS/BAL 5.34 DME/RADAR OR AT BAL 1.25 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 ON BAL VORTAC R-105 TO HURTZ/BAL 12.27 DME/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2600 DIRECT EMI VORTAC AND HOLD.

PROFILE:

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT EFFYS/BAL 8.34 DME/RADAR
- FAC:** 105.20 **FAF:** JEANS/BAL 5.34 DME/RADAR **DIST FAF TO MAP:** 4.09 **DIST FAF TO THLD:** 4.09
- MIN ALT:** EFFYS/BAL 8.34 DME/RADAR 2300, JEANS/BAL 5.34 DME/RADAR 1500, KHORT/BAL VORTAC 3.33 DME/RADAR 860
- DIST TO THLD FROM OM:** **MM:** **IM:** **100 HAT:** 893.00 **150 HAT:** 1845 **GS ANT:** 1014
- MIN GS INCPT:** 1500 **GS ALT AT PFAF:** JEANS/BAL 5.34 DME/RADAR 1500 **OM:** **MM:** **IM:**
- GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 54.8
- MSA FROM:** BAL VORTAC 180-270 2200, 270-180 2600



EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.
DME OR RADAR REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 10: CAT A, B, C, D, RA 188, RVR 1400, HAT 150, DA 293 MSL
 CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 10: CAT A, B, C, D, RA 105, RVR 1200, HAT 100, DA 243 MSL
 CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 10: CAT A, B, C, D, RVR 600
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.

ADDITIONAL FLIGHT DATA:

CHART R-4001B.

HOLD E, RT, 284.64 INBOUND.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE EMI VORTAC, LT, 307.00 INBOUND.
 CHART FAS OBST: 305 TREE (24-029419) 391022N/0764427W.
 CHART IN PLANVIEW: EMI VORTAC.
 CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD; LOC: STANDARD - CAT D 800-2 1/4

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
S-ILS 10	343	1800	200	343	1800	200	343	1800	200	343	1800	200				
S-LOC 10	580	2400	437	580	2400	437	580	4000	437	580	4000	437				
CIRCLING	640	1	497	660	1	517	700	1 1/2	557	880	2 1/4	737				

CHANGES - REASONS

1. TERMINAL ROUTES: ADDED IAF REMMY-COLUM/IAF COLUM-EFFYS/IF EFFYS-JEANS. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
2. ALT MA INSTRUCTIONS: CHANGED FROM "CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2600 HEADING 360 AND EMI VORTAC R-127 TO EMI VORTAC AND HOLD" TO "CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2600 DIRECT EMI VORTAC AND HOLD". - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
3. PROFILE LINE 2: CHANGED FROM COLUM/BAL 11.35 DME/RADAR TO EFFYS/BAL 8.34 DME/RADAR. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
4. PROFILE LINE 4: REMOVED COLUM, ADDED EFFEYS, AND CHANGED KHORT DME FROM 3.35 TO 3.33. - PROCEDURE REDESIGN FOR NOISE ABATEMENT.
5. PROFILE LINE 5: CHANGED 100 HAT: FROM 855 TO 893 AND ADDED 150 HAT: 1845. - NEW EVAL COMPLETED AND IAW 8260.191 8-6-7.
6. PROFILE LINE 7: CHANGED TCH FROM 55.0 TO 54.8. - REFLECT ILS OR LOC RWY 10 DESIGN TCH.
7. PROFILE LINE 8: CHANGED 180-270 FROM 2100 TO 2200. - NEW EVAL COMPLETED WITH NEW OBST.
8. NOTES: CHANGED SA CAT I NOTE FROM "RA 191, RVR 1400, HAT 150, DA 293 MSL" TO "RA 188, RVR 1400, HAT 150, DA 293 MSL" AND CHANGED CAT II NOTE FROM "RA 102, RVR 1200, HAT 100, DA 243 MSL" TO "RA 105, RVR 1200, HAT 100, DA 243 MSL". - NEW EVAL COMPLETED IN TARGETS.
9. ADDITIONAL FLIGHT DATA: CHANGED ALT MA FROM "HOLDING, HOLD S EMI VORTAC, LT, 359.00 INBOUND" TO "HOLD SE EMI VORTAC, LT, 307.00 INBOUND". - OLD INBOUND COURSE WAS DETERMINED UNRELIABLE BY FI.
10. ADDITIONAL FLIGHT DATA: ADDED (24-029419) FAS OBST. - UPDATED OBST INFO.
11. ADDITIONAL FLIGHT DATA: ADDED CHART R-4001B. - PRIMARY MA HOLDING OVERLAPS AREA.
12. MINIMUMS: CHANGED CIRCLING CAT D FROM 860/717 TO 880/737. - NEW EVAL COMPLETED WITH NEW OBST.



AIRPORT ID
BWI

PROCEDURE NAME
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

ORIGINAL/AMENDMENT
22

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

Jun 27, 2024

OFFICE

FPO

DATE

06/11/2024

DEVELOPED BY

ERIC N SUSKI (ANDRE TUCKER)

Digitally signed by

ERIC N SUSKI

Apr 29, 2024

OFFICE

AJV-A431

DATE

01/26/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Apr 29, 2024

OFFICE

AJV-A430

DATE

09/05/2024

TITLE

MANAGER



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

<u>AIRPORT ID</u> BWI	<u>PROCEDURE NAME</u> ILS OR LOC RWY 10 ILS RWY 10 (SA CAT I) ILS RWY 10 (CAT II) ILS RWY 10 (CAT III)	<u>AMDT NO.</u> 22	<u>CITY</u> BALTIMORE	<u>STATE</u> MD	<u>AIRPORT ELEVATION</u> 143	<u>FACILITY</u> I-BAL
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
REMMY/BAL 17.41 DME/RADAR

TO
COLUM/BAL 11.53 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 5.88	<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 (24-000343)	391407.07N/0770208.00W	997	250	50	4D	1000				AT1003	3000
TERRAIN	391515.00N/0765842.00W	643 (600)								AS1500	2100

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

FROM
COLUM/BAL 11.53 DME/RADAR

TO
EFFYS/BAL 8.34 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 3.19	<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
AAO	391009.00N/0765509.00W	712	215	8	4B	1000				AT588	2300
TERRAIN	391454.00N/0765348.00W	495 (500)								AS1500	2000

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
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

INTERMEDIATE

FROM
EFFYS/BAL 8.34 DME/RADAR

TO
JEANS/BAL 5.34 DME/RADAR

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

<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>
TOWER (24-000116)	391335.64N/0764837.76W	958	20	10	1B	500					1500
TERRAIN	391336.00N/0764845.00W	534 (500)								AS1000	1500

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS CAT II

FROM
JEANS/BAL 5.34 DME/RADAR

TO
RW10

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
4.09 DA 100

<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>
							ASC				243

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
BWI

PROCEDURE NAME
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

FINAL: ILS SA CAT I

FROM
JEANS/BAL 5.34 DME/RADAR

TO
RW10

RNP

DISTANCE
4.09

PAT

MAP
DA

HAT
150

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				293

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS

FROM
JEANS/BAL 5.34 DME/RADAR

TO
RW10

RNP

DISTANCE
4.09

PAT

MAP
DA

HAT
200

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				343

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
BWI

PROCEDURE NAME
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

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AIRPORT ELEVATION
143

FACILITY
I-BAL

FINAL: LOC

FROM
JEANS/BAL 5.34 DME/RADAR

TO
KHORT/BAL VORTAC 3.33 DME/RADAR

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
2.01

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-000759)	391020.40N/0764635.40W	555	20	3	1A	250				DG55	860

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM
KHORT/BAL VORTAC 3.33 DME/RADAR

TO
4.09 NM AFTER JEANS/BAL 5.34 DME/RADAR OR AT BAL 1.25 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
2.08 4.09 NM AFTER JEANS/BAL
5.34 DME/RADAR OR AT BAL
1.25 DME 437

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (24-029419)	391021.97N/0764426.72W	305	20	3	1A	250				XP25	580

COMPUTATIONS

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

SEGMENT REMARKS:

RETAIN CURRENT MINIMUMS.



AIRPORT ID
BWI

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ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

MISSED APPROACH: ILS CAT II

FROM
DA

TO
HURTZ/BAL 12.27 DME/RADAR

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
STACK (24-000291)	391053.00N/0763217.00W	740	500	50	5D	1000					1800
TERRAIN	390957.00N/0764100.00W	206 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: ILS SA CAT I

FROM
DA

TO
HURTZ/BAL 12.27 DME/RADAR

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
STACK (24-000291)	391053.00N/0763217.00W	740	500	50	5D	1000					1800
TERRAIN	390957.00N/0764100.00W	206 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
BWI

PROCEDURE NAME
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

MISSED APPROACH: ILS

FROM
DA

TO
HURTZ/BAL 12.27 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>	<u>HMAS</u> 174					
<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>
							ASC				2500
STACK (24-000291)	391053.00N/0763217.00W	740	500	50	5D	1000					1800
TERRAIN	390957.00N/0764100.00W	206 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM
4.09 NM AFTER JEANS/BAL 5.34 DME/RADAR OR AT BAL 1.25 DME

TO
HURTZ/BAL 12.27 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>	<u>HMAS</u> 330					
<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>
							ASC				2500
STACK (24-000291)	391053.00N/0763217.00W	740	500	50	5D	1000					1800
TERRAIN	390957.00N/0764100.00W	206 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
BWI

PROCEDURE NAME
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

MISSED APPROACH ALTERNATE: ILS CAT II

FROM
DA **TO**
EMI VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2600
TOWER (24-000547)	392010.38N/0763857.88W	1549	500	125	5E	1000					2600
TERRAIN	393021.00N/0765745.00W	869 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS SA CAT I

FROM
DA **TO**
EMI VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2600
TOWER (24-000547)	392010.38N/0763857.88W	1549	500	125	5E	1000					2600
TERRAIN	393021.00N/0765745.00W	869 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
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ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
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CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

MISSED APPROACH ALTERNATE: ILS

FROM DA **TO** EMI VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
174

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2600
TOWER (24-000547)	392010.38N/0763857.88W	1549	500	125	5E	1000					2600
TERRAIN	393021.00N/0765745.00W	869 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: LOC

FROM 4.09 NM AFTER JEANS/BAL 5.34 DME/RADAR OR AT BAL 1.25 DME **TO** EMI VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
330

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2600
TOWER (24-000547)	392010.38N/0763857.88W	1549	500	125	5E	1000					2600
TERRAIN	393021.00N/0765745.00W	869 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
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PROCEDURE NAME
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

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 (24-029434)	391111.57N/0764213.94W	1.30	497	322	20	3	1A	300			640
CATEGORY B											
ANTENNA (24-030710)	391231.24N/0763827.54W	1.81	517	342	20	10	1B	300			660
CATEGORY C											
BUILDING (24-040487)	390923.70N/0764339.30W	2.84	557	400	50	20	2C	300			700
CATEGORY D											
AAO	391418.00N/0764300.00W	3.71	737	565	215	8	4B	300			880

CIRCLING REMARKS:

MSA

CENTER
BAL VORTAC

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-270	TOWER (11-020097)	385701.39N/0770445.92W	247	23.6	1102	250	50	4D	1000			2200
270-180	TOWER (24-000503)	393659.00N/0765136.00W	352	28.3	1598	500	125	5E	1000			2600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



AIRPORT ID
BWI

PROCEDURE NAME
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDC ARTCC, PCT TRACON, BWI TOWER

WX SERVICE ASOS	LOCATION BWI	HRS OPERATION 24	ALTIMETER SOURCE BWI	DISTANCE 0	SERVICE-A Y	ADJUSTMENTS 0
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BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
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WX REMARKS:

SECONDARY WEATHER SOURCE NOT REQUIRED DUE TO 24 HOUR TOWER WITH ALTIMETER READING EQUIPMENT AND NATIONAL WEATHER SERVICE (24HRS).

PRIMARY NAVAID I-BAL	MONITOR POINT BWI ATCT	HRS OPERATION 24	CAT 1
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW10 - ALSF-2, HIRL, C/LINE, TDZ, 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, HIRL, TDZ, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW33R - MALSR, HIRL, REIL, PAPI-4L	PIR-G	APPROACH, ROLL OUT

GLIDESLOPE ANGLE 3.00	ELEV RWY THRESHOLD 141.4	TCH 54.8	ELEV GS ANTENNA 137.6	DISTANCE FROM RWY 1014	VGSI ANGLE 3.00	TCH 71.4
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	550
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS



AIRPORT ID
BWI

PROCEDURE NAME
ILS OR LOC RWY 10
ILS RWY 10 (SA CAT I)
ILS RWY 10 (CAT II)
ILS RWY 10 (CAT III)

AMDT NO.
22

CITY
BALTIMORE

STATE
MD

AIRPORT ELEVATION
143

FACILITY
I-BAL

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.

100 FEET TREE HEIGHT APPLIED PER FPT.

SA CAT I/CAT II/CAT III MA PENETRATION OBSTACLES (145 SIGN 24-026576, 170 POLE 24-020425, 163 WIND SOCK 24-027394, AND 145 SIGN 24-029039) ARE ACCEPTABLE IAW 8260.3E TABLE 10-6-1.

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	3.47
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.97
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	094.20
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	6.49
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	7.73
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	094.20
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN)

ARP COORDINATES	391028.69N/0764115.66W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	391032.62N/0764008.37W
FAF COORDINATES	RUNWAY 10 DISTANCE 0.96 NM
FIX NAME COORDINATES	391046.56N/0764630.73W
	IF EFFYS 391059.51N/0765021.61W

REMARKS

THLD DISPLACED 550FT, ACTUAL COORDINATES: 391029.09N/0764122.62W

PART E: PREPARED BY

NAME
ERIC N SUSKI (ANDRE TUCKER)

OFFICE
AJV-A431

DATE
01/26/2024

TITLE
AERONAUTICAL INFORMATION SPECIALIST

