

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.

<u>AIRPORT ID</u> BWI	<u>PROCEDURE NAME</u> ILS OR LOC RWY 33L ILS RWY 33L (SA CAT I) ILS RWY 33L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 13	<u>CITY</u> BALTIMORE	<u>STATE</u> MD		
<u>AIRPORT ELEVATION</u> 143	<u>TDZE</u> 143	<u>SUPERSEDED</u> ILS OR LOC RWY 33L ILS RWY 33L (SA CAT I) ILS RWY 33L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 12B	<u>DATED</u> 09/08/2022	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-RUX	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> 09/05/2024	<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>
JANNS/BAL 13.00 DME/RADAR	IAF	SPLAT/BAL 7.45 DME/RADAR					335.21 (I-RUX)	5.55	2400
KOOLZ	IAF	SPLAT		TF	FB	1.00	008.26	9.05	2400
SPLAT/BAL 7.45 DME/RADAR	IF	GRAFE/BAL 4.35 DME/RADAR					335.21 (I-RUX)	3.11	1500

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.12 NM AFTER GRAFE/BAL 4.35 DME/RADAR OR AT BAL 0.36 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2600 ON HEADING 300 AND BAL VORTAC R-311 TO YANNI INT/BAL 16.84 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT	SPLAT/BAL 7.45 DME/RADAR				
3. FAC:	335.21	FAF: GRAFE/BAL 4.35 DME/RADAR	DIST FAF TO MAP:	4.12	DIST FAF TO THLD: 4.12
4. MIN ALT:	SPLAT/BAL 7.45 DME/RADAR 2400, GRAFE/BAL 4.35 DME/RADAR 1500, HAXAK/BAL 1.60 DME/RADAR 620				
5. DIST TO THLD FROM OM:	MM:	IM:	100 HAT:	1060.00	150 HAT: 2013.00
6. MIN GS INCPT:	1500	GS ALT AT PFAF: GRAFE/BAL 4.35 DME/RADAR 1500	OM:		GS ANT: 968
7. GS ANGLE:	3.00	34:1:	20:1:	TCH: 55.4	IM:
8. MSA FROM:	BAL VORTAC 180-270 2200, 270-180 2600				



AIRPORT ID

BWI

PROCEDURE NAMEILS OR LOC RWY 33L
ILS RWY 33L (SA CAT I)
ILS RWY 33L (SA CAT II)**ORIGINAL/AMENDMENT**

13

CITY

BALTIMORE

STATE

MD

PBN REQUIREMENTS NOTE:

RNP APCH-GPS. FROM KOOLZ.

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 33L: CAT A, B, C, D, RA 185, RVR 1400, HAT 150, DA 293 MSL
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 33L: CAT A, B, C, D, RA 128, RVR 1200, HAT 100, DA 243 MSL
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 33R.
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.
SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CHART NOTE: DME FROM BAL VORTAC. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-RUX AND AND BAL DME.
CHART SPEED ICON IN PLANVIEW AT JANNS: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT KOOLZ: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 131.00 INBOUND.

CHART FAS OBST: 289 TOWER (24-001047) 390842N/0763859W.

CHART AT OR ABOVE 4000 AT JANNS.

CHART MANDATORY 5000 AT KOOLZ.

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

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 33L	343	1800	200	343	1800	200	343	1800	200	343	1800	200			
S-LOC 33L	540	2400	397	540	2400	397	540	3500	397	540	3500	397			
CIRCLING	640	1	497	660	1	517	700	1 1/2	557	880	2 1/4	737			



CHANGES - REASONS

1. TERMINAL ROUTES: ADDED IAF LEG FROM KOOLZ TO SPLAT– PER FPT REQUEST.
2. TERMINAL ROUTES: UPDATED JANNS/BAL 13.00 DME/RADAR TO SPLAT/BAL 7.45 DME/RADAR COURSE FROM “335.22” TO “335.21” – UPDATED EVALUATION DATA.
3. TERMINAL ROUTES: UPDATED SPLAT/BAL 7.45 DME/RADAR TO GRAFE/BAL 4.35 DME/RADAR COURSE FROM “335.22” TO “335.21” AND DISTANCE FROM “3.11 (I-RUX)” TO “3.10 (I-RUX)” - UPDATED EVALUATION DATA.
4. MISSED APPROACH INSTRUCTIONS” UPDATE FROM “CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2600 ON HEADING 280 AND BAL R-294 TO DATED INT/BAL 14.92 DME AND HOLD” TO “CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2600 ON HEADING 300 AND BAL VORTAC R-311 TO YANNI INT/BAL 16.84 DME AND HOLD” - PER FPT REQUEST TO MEET NOISE ABATEMENT REQUIREMENTS.
5. REMOVED ALTERNATE MISSED APPROACH PER FPT REQUEST,
6. PROFILE LINE2: UPDATED PROFILE STARTS AT FROM: “JANNS/BAL 13.00 DME/RADAR” TO “SPLAT/BAL 7.45 DME/RADAR” – IAW 8260.19I 8-6-7
7. PROFILE LINE 3: UPDATED FAC FROM “3.22” TO “3.21” - UPDATED EVALUATION DATA.
8. PROFILE LINE 4: UPDATE MIN ALT FROM “JANNS/BAL 13.00 DME/RADAR 4000, SPLAT/BAL 7.45 DME/RADAR 2400, GRAFE/BAL 4.35 DME/RADAR 1500, HAXAK/BAL 1.55 DME/RADAR 600*” TO “SPLAT/BAL 7.45 DME/RADAR 2400, GRAFE/BAL 4.35 DME/RADAR 1500, HAXAK/BAL 1.60 DME/RADAR 620” – IAW 8260.19I 8-6-7, REMOVED * - NO LONGER REQUIRED.
9. PROFILE LINE 5: UPDATED 100 HAT FROM “1061” TO “1060” AND 150 HAT FROM “2015” TO “2013” – FIXES MOVED, UPDATED RUNWAY THRESHOLD.
10. PROFILE LINE 7: UPDATED TCH FROM “55.2” TO “55.4” – NEW DESIGN TCH, IAW 8260.58 1-3-1.
11. PBN REQUIREMENT NOTES: ADDED “RNP APCH-GPS. FROM KOOLZ” – IAW 8260.19J 8-6-8.
12. EQUIPMENT REQUIREMENT NOTES: CHANGED NOTE FROM “DME OR RADAR REQUIRED FOR LOC ONLY” TO “DME OR RADAR REQUIRED” – IAW 8260.19J 8-6-9.
13. NOTES: REMOVED “CHART NOTE: DME OR RADAR REQUIRED” – MOVED TO EQUIPMENT REQUIREMENT NOTES.
14. NOTES: REMOVED “*LOC ONLY” – NO LONGER REQUIRED.
15. NOTES: ADDED “CHART SPEED ICON IN PLANVIEW AT KOOLZ: MAX 210 KIAS” AND “CHART SPEED ICON IN PLANVIEW AT JANNS: 210 KIAS” - PROCEDURE CONNECTS TO RAVNN AND MIIDY STARS.
16. NOTES: UPDATED RA VALUES FOR SA CATEGORY I FROM 186 TO 185, AND SA CAT II FROM 132 TO 128 - USING CURRENT TERRAIN DATA AT RESPECTIVE DA LOCATIONS
17. NOTES: UPDATED FROM “SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH” AND “SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN” TO “SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL” AND “SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL” – IAW 8260.19J 8-6-10.
18. NOTES: UPDATED NOTE FROM “CHART NOTE: DME FROM BAL VORTAC” TO “DME FROM BAL VORTAC. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-RUX AND BAL DME” – IAW 8260.19J 8-6-10.
19. REMOVED “CHART 532 TOWER 390558N/0763721W” FROM ADDITIONAL FLIGHT DATA - NEW 7:1 OBSTACLE IS AAO, IAW 8260.19J 8-6-11 MEMO.
20. ADDITIONAL FLIGHT DATA: ADDED “CHART AT OR ABOVE 4000 AT JANNS” AND “CHART MANDATORY 5000 AT KOOLZ” – PROCEDURE CONNECTS TO RAVNN AND MIIDY STARS.
21. ADDITIONAL FLIGHT DATA: REMOVED: “CHART IN PLANVIEW: DATED INT/DCA 22.33 DME,” AND “CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S DATED INT/DCA 22.33 DME, RT, 016.67 INBOUND” – NO LONGER REQUIRED.
22. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM: “HOLD N, RT, 186.99 INBOUND” TO “HOLD NW, RT, 131.00 INBOUND” – NEW MA HOLDING INSTRUCTIONS, NEW HOLDING POINT AND PATTERN.
23. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM: “289 TOWER 390842N/0763859W” TO “289 TOWER (24-001047) 390842N/0763859W” – IAW 8260.19I IAW 8260.19I 8-6-10
24. MINIMUMS: UPDATED S-LOC 33L CAT C/D VISIBILITY FROM “4000” TO “3500” – IAW 8260.3E TABLE 3-3-1.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZDC, POTOMAC APP CON, BWI ATCT, AMGR.

FLIGHT CHECKED BY

Digitally signed by
ERIC N SUSKI
Jul 25, 2024

OFFICE

DATE

PENDING

DEVELOPED BY

ERIC N SUSKI (JUDITH TUTTLE)

Digitally signed by
ERIC N SUSKI
Jun 13, 2024

OFFICE

AJV-A431

DATE

02/15/2024

APPROVED BY

ERIC N SUSKI

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Jun 13, 2024

OFFICE

AJV-A431

DATE

TITLE
MANAGER

