

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
IAD	ILS OR LOC RWY 1L ILS RWY 1L (CAT II) ILS RWY 1L (CAT III)	2	WASHINGTON	DC		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
312	296	ILS OR LOC/DME RWY 1L	1C	07/15/2021	10W	2000
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-OIU		16 MAY 2024	ROUTINE			

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>
WABER/I-OIU 28.29 DME/RADAR	IAF	WESVA/I-OIU 24.53 DME/RADAR					010.65	3.76 (I-OIU)	7000
WESVA/I-OIU 24.53 DME/RADAR		WOFUL/I-OIU 21.43 DME/RADAR					010.65	3.10 (I-OIU)	6000
WOFUL/I-OIU 21.43 DME/RADAR	IAF	WISHY/I-OIU 17.80 DME/RADAR					010.65	3.63 (I-OIU)	5000
WISHY/I-OIU 17.80 DME/RADAR		WIRLY/I-OIU 14.62 DME/RADAR					010.65	3.18 (I-OIU)	4000
WIRLY/I-OIU 14.62 DME/RADAR	IAF	WERTH/I-OIU 11.33 DME/RADAR					010.65	3.30 (I-OIU)	3000
GNATZ	IAF	GRASK		TF	FB	1.00	098.62	7.41	5000
GRASK		LAZER		TF	FB	1.00	086.40	5.30	4000
LAZER		WIRLY		TF	FB	1.00	051.06	5.50	4000
WERTH/I-OIU 11.33 DME/RADAR	IF	FAXES/I-OIU 6.90 DME/RADAR	PFAF				010.65	4.43 (I-OIU)	2000

MISSED APPROACH

MAP:

ILS: DA
LOC: I-OIU 1.72 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 276 AND ON AML VOR/DME R-319 TO NHLEN INT/AML 27.33 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 240 AND ON LDN VORTAC R-088 TO OLIVR INT/LDN 14.94 DME AND HOLD.



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT WABER/I-OIU 28.29 DME/RADAR					
3.	FAC:	010.65	FAF:	FAXES/I-OIU 6.90 DME/RADAR	DIST FAF TO MAP:	DIST FAF TO THLD: 5.18
4.	MIN ALT:	WABER/I-OIU 28.29 DME/RADAR 8000, WESVA/I-OIU 24.53 DME/RADAR 7000, WOFUL/I-OIU 21.43 DME/RADAR 6000, WISHY/I-OIU 17.80 DME/RADAR 5000, WIRLY/I-OIU 14.62 DME/RADAR 4000, WERTH/I-OIU 11.33 DME/RADAR 3000, FAXES/I-OIU 6.90 DME/RADAR 2000, CULCO/I-OIU 5.02 DME 1400				
5.	DIST TO THLD FROM OM:	MM:	IM:	100 HAT: 856.00	150 HAT:	GS ANT: 1108
6.	MIN GS INCPT:	2000	GS ALT AT PFAF:	FAXES/I-OIU 6.90 DME/RADAR 2000	OM:	MM: IM:
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH: 55.1	
8.	MSA FROM:	AML VOR/DME 180-360 3500, 360-180 2500				

PBN REQUIREMENTS NOTE:

RNP APCH-GPS. FROM GNATZ.

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.
DME REQUIRED FOR LOC ONLY.
RADAR REQUIRED FOR PROCEDURE ENTRY AT WABER.

NOTES:

CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 1L: CAT A, B, C, D, RA 97, RVR 1200, HAT 100, DA 396 MSL.
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 1L: CAT A, B, C, D, RVR 600.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LOC CATS C/D VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 318.62 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W OLIVR INT/LDN 14.94 DME, RT, 088.30 INBOUND.
CHART FAS OBST: 444 TREE (51-020678) 385409N/0772904W.
CHART R-6608A/B/C.
CHART VDP AT 2.64 DME.
DISTANCE VDP TO THLD 0.92 NM.
CHART IN PLANVIEW: OLIVR INT/LDN 14.94 DME.
CHART AT OR ABOVE 8000 AT WABER.
CHART AT OR ABOVE 5000 AT GNATZ.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D 900-2 3/4

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 01L	496	1800	200	496	1800	200	496	1800	200	496	1800	200		QUALITY 10 CHECKED	
S-LOC 01L	660	2400	364	660	2400	364	660	3500	364	660	3500	364			
CIRCLING	940	1	628	940	1	628	940	1 3/4	628	1180	2 3/4	868			

CHANGES - REASONS

1. UPDATED 8260 FORMS TO NEW REPORT FORMATTING – PER CURRENT AUTOMATION.
2. TERMINAL ROUTES REMOVED “CSN VORTAC TO CINNA INT, CINNA INT TO FAZER, FAZER TO BIGGZ, BIGGZ TO MORCE” - NEW PROCEDURE DESIGN PER ATC REQUEST.
3. TERMINAL ROUTES ADDED “WABER TO WESVA, WESVA TO WOFUL, WOFUL TO WISHY, WISHY TO WIRLY, WIRLY TO WERTH, GNATZ TO GRASK, GRASK TO LAZER, LAZER TO WIRLY, WERTH TO FAXES” - NEW PROCEDURE DESIGN PER ATC REQUEST.
4. PROFILE SECTION LINE 1 CHANGED PT FROM “NA” TO “BLANK” – IAW 8260.19I.
5. PROFILE SECTION LINE 2 CHANGED FROM “PROFILE STARTS AT CINNA INT/17.50 DME/RADAR” TO “PROFILE STARTS AT WABER/I-OIU 28.29 DME/RADAR” – NEW PROCEDURE DESIGN PER ATC REQUEST.
6. PROFILE SECTION LINE 3 FAF/PFAF CHANGED FROM “MORCE/6.52 DME” TO “FAXES/I-OIU 6.90 DME/RADAR” – NEW PROCEDURE DESIGN PER ATC REQUEST.
7. PROFILE SECTION LINE 3 DIST FAF/PFAF TO THLD CHANGED FROM “4.80” TO “5.18” – PER CURRENT EVALUATION.
8. PROFILE SECTION LINE 4 CHANGED FROM “CINNA 4000, FAZER 3000, BIGGZ 2900*, MORCE 1900” TO “WABER/I-OIU 28.29 DME/RADAR 8000, WESVA/I-OIU 24.53 DME/RADAR 7000, WOFUL/I-OIU 21.43 DME/RADAR 6000, WISHY/I-OIU 17.80 DME/RADAR 5000, WIRLY/I-OIU 14.62 DME/RADAR 4000, WERTH/I-OIU 11.33 DME/RADAR 3000, FAXES/I-OIU 6.90 DME/RADAR 2000, CULCO/I-OIU 5.02 DME 1400” – NEW PROCEDURE DESIGN PER ATC REQUEST.
9. PROFILE SECTION LINE 5 DELETED “IM 859” AND CHANGED 100 HAT FROM “857” TO “856” – PER CURRENT EVALUATION.
10. PROFILE SECTION LINE 6 CHANGED MIN GS INTCPT FROM “1900” TO “2000” AND GS ALT AT FROM “MORCE/6.52 DME 1900” TO “FAXES/I-OIU 6.90 DME/RADAR 2000” – NEW PROCEDURE DESIGN AND ALTITUDES PER ATC REQUEST.
11. PROFILE SECTION LINE 8 CHANGED MSA FROM “AML VORTAC 360-180 2500, 180-3600 3400” TO “AML VOR/DME 180-360 3500, 360-180 2500” – PER CURRENT EVALUATION.
12. MINIMUMS SECTION CHANGED ALTERNATE MINS FROM “ILS: #” AND “LOC: STANDARD” TO “ILS: STANDARD; LOC: STANDARD – CAT D 900-2 3/4” – PER CURRENT EVALUATION.
13. MINIMUMS SECTION S-LOC 1L UPDATED CAT C/D VISIBILITY FROM “2400/4000” TO “3500/3500” RESPECTIVELY – PER CURRENT EVALUATION.
14. MINIMUMS SECTION CIRCLING CAT D MDA/VIS/HAA CHANGED FROM “1060/2 1/2/747” TO “1180/2 3/4/868” RESPECTIVELY – PER CURRENT EVALUATION.
15. MISSED APPROACH SECTION CHANGED LOC MAP FROM “LOC: I-OIU 1.72 DME FIX” TO “I-OIU 1.72 DME” – NEW PROCEDURE DESIGN PER ATC REQUEST.
16. MISSED APPROACH INSTRUCTIONS CHANGED FROM “CLIMB TO 800 THEN CLIMBING LEFT TURN TO 5000 VIA HEADING 240 AND AML VORTAC R-270 TO OLIVR INT/AML 20.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 800 THEN CLIMBING LEFT TURN TO 5000 VIA HEADING 240 AND LDN VORTAC R-088 TO OLIVR INT/LDN 14.94 DME AND HOLD W, RT, 088.29 INBOUND, CONTINUE CLIMB-IN-HOLD TO 5000.” TO “CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 276 AND ON AML VOR/DME R-319 TO NHLEN INT/AML 27.33 DME AND HOLD.” AND ALTERNATE TO “CLIMB TO 800 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 240 AND ON LDN VORTAC R-088 TO OLIVR INT/LDN 14.94 DME AND HOLD.” – NEW PROCEDURE DESIGN PER ATC REQUEST.
17. ADDITIONAL FLIGHT DATA SECTION CHANGED HOLDING PATTERN FROM “HOLD W, RT, 090.00 INBOUND.” TO “HOLD SE, LT, 318.62 INBOUND.” – NEW PROCEDURE DESIGN PER ATC REQUEST.
18. ADDITIONAL FLIGHT DATA SECTION CHANGED ALTERNATE MA HOLDING FROM “CHART: ALTERNATE MA HOLDING, HOLD W OLIVR INT/LDN 14.94 DME, RT, 088.29 INBOUND.” TO “CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W OLIVR INT/LDN 14.94 DME/RADAR, RT, 088.30 INBOUND.” – NEW PROCEDURE DESIGN PER ATC REQUEST.
19. ADDITIONAL FLIGHT DATA SECTION ADDED “CHART IN PLANVIEW: OLIVR INT/LDN 14.94 DME/RADAR.” – IAW 8260.19I AND ALTERNATE MA DESIGN PER ATC REQUEST.
20. ADDITIONAL FLIGHT DATA SECTION ADDED “CHART AT OR ABOVE 8000 AT WABER.” AND “CHART AT OR ABOVE 5000 AT GNATZ.” – NEW PROCEDURE DESIGN PER ATC REQUEST.
21. PBN REQUIREMENTS NOTE ADDED “RNP APCH-GPS. FROM GNATZ.” – NEW PROCEDURE DESIGN WITH PBN TRANSITIONS PER ATC REQUEST AND IAW 8260.19I.
22. NOTES SECTION ADDED EQUIPMENT REQUIREMENTS NOTES “RADAR REQUIRED FOR PROCEDURE ENTRY AT WABER.” AND “DME REQUIRED FOR LOC ONLY.” – IAW 8260.19I.
23. NOTES SECTION UPDATED NOTE FROM “CHART PLANVIEW NOTE: DME OR RADAR REQUIRED” TO EQUIPMENT REQUIREMENTS NOTE SECTION “DME OR RADAR REQUIRED.” – IAW 8260.19I AND NEW 8260 FORMS FORMAT.
24. NOTES SECTION DELETED “CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 2900.” – NO LONGER APPLICABLE.
25. NOTES SECTION DELETED “CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.” – IAW 8260.19I.
26. NOTES SECTION UPDATED CAT II AND CAT III NOTES FORMATTING – 8260.19I NO LONGER REQUIRES CAT II/III NOTES TO LIST OUT INDIVIDUAL EQUIPMENT CATEGORIES AND ONLY REQUIRES CHARTING THE LOWEST RVR EVALUATED.
27. NOTES SECTION UPDATED VGSI NOTE FROM “CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT” TO “CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).” – IAW 8260.19I.
28. NOTES SECTION CHANGED SIMULTANEOUS APPROACH NOTE FROM “SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC/DME RWY 1C, ILS RWY 1C CAT (II), RNAV (GPS) Y RWY 1C, ILS OR LOC RWY 1R, ILS RWY 1R CAT(II), ILS RWY 1R CAT (III), RNAV (GPS) Y RWY 1R.” TO “CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.” – IAW 8260.19I.
29. NOTES SECTION ADDED “CHART NOTE: FOR INOPERATIVE ALS, INCREASE LOC CATS C/D VISIBILITY TO RVR 5500.” – PER CURRENT EVALUATION AND IAW 8260.19I.
30. PROCEDURE NAME CHANGED FROM “ILS OR LOC/DME RWY 1L” TO “ILS OR LOC RWY 1L” – IAW 8269.19I.



