

**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> IAD	<u>PROCEDURE NAME</u> ILS OR LOC RWY 19R ILS RWY 19R (CAT II) ILS RWY 19R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> WASHINGTON	<u>STATE</u> DC		
<u>AIRPORT ELEVATION</u> 312	<u>TDZE</u> 278	<u>SUPERSEDED</u> ILS OR LOC/DME RWY 19R ILS RWY 19R (CAT II) ILS RWY 19R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 07/15/2021	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-ISU	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
DUBBV	IAF	HUGGZ		TF	FB	1.00	101.90	4.50	5000
HUGGZ		NOGGL		TF	FB	1.00	108.57	3.50	4000
NOGGL		ROWYN		TF	FB	1.00	157.06	4.78	4000
RUBNZ/I-ISU 24.83 DME/RADAR	IAF	RAGGY/I-ISU 21.10 DME/RADAR					190.64	3.73 (I-ISU)	7000
RAGGY/I-ISU 21.10 DME/RADAR		RIECE/I-ISU 18.01 DME/RADAR					190.64	3.09 (I-ISU)	6000
RIECE/I-ISU 18.01 DME/RADAR	IAF	RAYZE/I-ISU 14.56 DME/RADAR					190.64	3.45 (I-ISU)	5000
RAYZE/I-ISU 14.56 DME/RADAR		ROWYN/I-ISU 11.51 DME/RADAR					190.64	3.05 (I-ISU)	4000
ROWYN/I-ISU 11.51 DME/RADAR	IAF	REKKN/I-ISU 8.24 DME/RADAR					190.64	3.27 (I-ISU)	3000
REKKN/I-ISU 8.24 DME/RADAR	IF	RNDON/I-ISU 5.07 DME/RADAR					190.64	3.16 (I-ISU)	2000
RNDON/I-ISU 5.07 DME/RADAR		MULKY/I-ISU 3.50 DME/RADAR					190.64	1.58 (I-ISU)	1500

MISSED APPROACH

MAP:

ILS: DA
LOC: 3.67 NM AFTER MULKY/I-ISU 3.50 DME/RADAR OR AT I-ISU/0.18 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 280 AND AML VOR/DME R-264 TO AMOSS INT/AML 20.37 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 280 AND LDN VORTAC R-088 TO OLIVR INT/LDN 14.95 DME AND HOLD.



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT RUBNZ/I-ISU 24.83 DME/RADAR					
3.	FAC:	190.64	FAF:	MULKY/I-ISU 3.50 DME/RADAR	DIST FAF TO MAP:	3.67
4.	MIN ALT:	RUBNZ/I-ISU 24.83 DME/RADAR 8000, RAGGY/I-ISU 21.10 DME/RADAR 7000, RIECE/I-ISU 18.01 DME/RADAR 6000, RAYZE/I-ISU 14.56 DME/RADAR 5000, ROWYN/I-ISU 11.51 DME/RADAR 4000, REKKN/I-ISU 8.24 DME/RADAR 3000, RNDON/I-ISU 5.07 DME/RADAR 2000, MULKY/I-ISU 3.50 DME/RADAR 1500				
5.	DIST TO THLD FROM OM:	MM:	IM:	884.00	100 HAT:	875
6.	MIN GS INCPT:	1500	GS ALT AT PFAF:	MULKY/I-ISU 3.50 DME/RADAR 1500	OM:	150 HAT:
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	55.1
8.	MSA FROM:	AML VOR/DME 180-360 3500, 360-180 2500				
					GS ANT:	1050
					MM:	IM:
						378

PBN REQUIREMENTS NOTE:

RNP APCH-GPS. FROM DUBBV.

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.
RADAR REQUIRED FOR PROCEDURE ENTRY AT RUBINZ.

NOTES:

CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 19R: CAT A, B, C, D, RA 102, RVR 1200, HAT 100, DA 378 MSL.

CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 19R: CAT IIIA CAT A, B, C, D, RVR 700.

CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 19R: CAT IIIB CAT A, B, C, D, RVR 600.

CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 19R: CAT IIIC CAT A, B, C, D, RVR NA.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART IN PROFILE VIEW: I-ISU DME ANTENNA
CHART LOC RWY 19C, 19L
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W OLIVR INT/LDN 14.95 DME, RT, 088.30 INBOUND.
HOLD E, RT, 263.51 INBOUND.
CHART FAS OBST: 459 TOWER (51-001528) 385956N/0772845W.
490 AAO 390222N/0772849W.
CHART VDP AT 1.00 DME.
DISTANCE VDP TO THLD 1.17 NM.
CHART AT OR ABOVE 5000 AT DUBBV.
CHART AT OR ABOVE 8000 AT RUBNZ.

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

MINIMUMS:

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

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 19R	478	1800	200	478	1800	200	478	1800	200	478	1800	200			
S-LOC 19R	720	2400	442	720	2400	442	720	4500	442	720	4500	442			
CIRCLING	940	1	628	940	1	628	940	1 3/4	628	1180	2 3/4	868			



CHANGES - REASONS

1. APPROACH TITLE CHANGED FROM ILS OR LOC/DME RWY 19R TO ILS OR LOC RWY 19R. – PER 8260.19I COMPLIANCE.
2. TERMINAL ROUTES ARE A COMPLETE REDESIGN. THE FAF MULKY IS THE ONLY FIX THAT REMAINS. INITIAL BEEZY TO LAUGH, INTERMEDIATE LAUGH TO CLAYY, CLAYY TO MULKY HAVE BEEN REMOVED AND NEW FIXES AND ROUTING HAVE BEEN ADDED. SEE TERMINAL ROUTES FOR NEW DATA. – FPT/ATC REQUEST.
3. TERMINAL ROUTE FEEDER FROM MRB VORTAC TO BEEZY HAS BEEN REMOVED AND WILL NOT BE REPLACED. – FPT/ATC REDESIGN
4. LOC MISSED APPROACH POINT CHANGED FROM I-ISU 0.18 DME TO 3.67 NM AFTER MULKY I-ISU 3.50 DME/RADAR OR AT I-ISU 0.18 DME. - TIMING TABLE ADDED.
5. MISSED APPROACH INSTRUCTIONS CHANGED FROM CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 5000 VIA AML VORTAC R-270 TO OLIVR INT/AML 20.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000 TO CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 280 AND ON AML VOR/DME R-264 TO AMOSS INT/AML 20.37 DME AND HOLD. – FPT/ATC REQUEST.
6. ALTERNATE MISSED APPROACH INSTRUCTIONS CHANGED FROM WHEN DIRECTED BY ATC, CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 5000 VIA 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 RIGHT TURN TO 4000 ON HEADING 280 ON LDN VORTAC R-088 TO OLIVR INT/LDN 14.95 DME AND HOLD. - FPT/ATC REQUEST.
7. PROFILE LINE 1 NA WAS REMOVED FROM PT. 8260.19I COMPLIANCE.
8. PROFILE LINE 2 CHANGED FROM BEEZY INT/16.00 DME/RADAR TO RUBNZ/I-ISU 24.83 DME/RADAR. – NEW REDESIGN PER FPT/ATC.
9. PROFILE LINE 3 CHANGED FROM FAC: 190.65, FAF: MULKY/4.07 DME, THLD: 4.25 TO 190.64, MULKY/I-ISU 3.50 DME/RADAR, 3.67 ALSO ADDED DIST FAF TO MAP 3.67. – FAF ALTITUDE LOWERED FROM 1700 TO 1500 AND MOVED TO ALIGN WITH ILS AIRNAV DATA/TIMING TABLE ADDED.
10. PROFILE LINE 4 CHANGED FROM BEEZY 4000, LAUGH 3000, CLAYY 2700, MULKY 1700 TO RAGGY/I-ISU 21.10 DME/RADAR 7000, RIECE/I-ISU 18.01 DME/RADAR 6000, ROWYN/I-ISU 11.51 DME/RADAR 4000, RAYZE/I-ISU 14.56 DME/RADAR 5000, REKKN/I-ISU 8.24 DME/RADAR 3000, RNDON/I-ISU 5.07 DME/RADAR 2000, MULKY/I-ISU 3.50 DME/RADAR 1500. – NEW REDESIGN PER FPT/ATC.
11. PROFILE LINE 5 CHANGED FROM IM: 883, 100 HAT: 878 TO IM: 884, 100 HAT: 875. - NEW AIRNAV DATA PULL (AIRPORT).
12. PROFILE LINE 6 CHANGED FROM MIN GS INCPT: 1700, GS ALT AT: MULKY/4.07 DME 1700 TO 1500, MULKY/I-ISU 3.50 DME/RADAR 1500. - REDESIGN PER FPT/ATC.
13. PROFILE LINE 8 CHANGED FROM MSA AML VORTAC 360-180 2500, 180-360 3400 TO AML VOR/DME 180-360 3500, 360-180 2500. – NEW CONTROLLING OBSTACLE IN 180-360 SECTOR.
14. PBN REQUIREMENTS NOTE ADDED RNP APCH-GPS. FROM DUBBV. – PBN INITIAL LEG ADDED AS PART OF FPT/ATC REDESIGN/8260.19I COMPLIANCE.
15. EQUIPMENT REQUIREMENTS NOTE ADDED RADAR REQUIRED FOR PROCEDURE ENTRY AT RUBINZ. – FEEDER ROUTES REMOVED/NO AIRWAY CONNECTION.
16. EQUIPMENT REQUIREMENTS NOTE DME OR RADAR REQUIRED ADDED TO REPLACE CHART NOTE DME OR RADAR REQUIRED. – 8260.19I COMPLIANCE.
17. CHART NOTE CHANGED FROM SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC/DME RWY 19C, ILS RWY 19C, CAT (II), ILS RWY 19C CAT (III), RWY 19L. TO SIMULTANEOUS APPROACH AUTHORIZED. – PER 8260.19I/JO 7110.308 COMPLIANCE.
18. CAT II ILS RA CHANGED FROM 103 TO 102. - NEW TARGETS TERRAIN EVALUATION.
19. NOTE CHANGED FROM CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 19R: CAT IIIA RVR 700; CAT A, B, C, D, CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA. TO CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 19R: CAT IIIA CAT A, B, C, D, RVR 700, CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 19R: CAT IIIB CAT A, B, C, D, RVR 600, CAT III ILS, SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 19R: CAT IIIC CAT A, B, C, D, RVR NA. – PER 8260.19I COMPLIANCE.
20. ADDITIONAL FLIGHT DATA REMOVED CHART MRB VORTAC 19.63 DME AT BEEZY. – NEW REDESIGN PER FPT/ATC.
21. ADDITIONAL FLIGHT DATA CHANGED HOLDING FROM HOLD W, RT, 090.00 INBOUND TO HOLD E, RT, 263.51 INBOUND. – NEW MISSED HOLDING FIX PER FPT/ATC.
22. ADDITIONAL FLIGHT DATA CHANGED ALTERNATE MISSED LDN 14.94 DME, RT, 088.29 INBOUND TO LDN 14.95 DME, RT, 088.30 INBOUND. – NEW EVALUATION TECHNOLOGY.
23. ADDITIONAL FLIGHT DATA FAS OBSTACLE CHANGED FROM 461 POLE 385957N/0772845W TO 459 TOWER (51-001528) 395956N/0772845W. – NEW EVALUATION CONTROLLING OBSTACLE.
24. ADDITIONAL FLIGHT DATA ADDED 7:1 OBSTACLE 490 AAO 390222N/0772849W. – 8260.19I COMPLIANCE.
25. ADDITIONAL FLIGHT DATA ADDED CHART AT OR ABOVE 5000 AT DUBBV. - FPT/ATC REQUEST.
26. ADDITIONAL FLIGHT DATA ADDED CHART AT OR ABOVE 8000 AT RUBNZ. - FPT/ATC REQUEST.
27. ALTERNATE MINIMUMS ADDED LOC: STANDARD – CAT D 900 – 2 3/4. – 8260.19I COMPLIANCE.
28. MINIMUMS S-LOC 19R VISIBILITY CAT C CHANGED FROM RVR4000 TO RVR 4500 AND CAT D CHANGED FROM RVR 5000 TO RVR 4500. – 8260.3E COMPLIANCE.
29. MINIMUMS CIRCLING CAT D CHANGED FROM 1060/2 1/2/747 TO 1180/2 3/4/868. – CANCEL T-NOTAM 3/1787.
30. AIRPORT ELEVATION CHANGED FROM 313 TO 312. - DATA PULL, NEW SURVEY.
31. CIRCLING CATS A/B/C HAA CHANGED FROM 627 TO 628. - AIRPORT ELEVATION CHANGED FROM 313 TO 312.

