

**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> BDL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 33	<u>ORIGINAL/AMENDMENT</u> 11	<u>CITY</u> WINDSOR LOCKS	<u>STATE</u> CT
<u>AIRPORT ELEVATION</u> 173	<u>TDZE</u> 171	<u>SUPERSEDED</u> ILS OR LOC RWY 33	<u>DATED</u> 08/12/2021	<u>MAG VAR</u> 14W
<u>FACILITY</u> I-IKX	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1980
			<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>
HFD VOR/DME	IAF	HADUX INT/I-IKX 12.16 DME	NOPT				024.86	9.88	2500
HADUX INT/I-IKX 12.16 DME	IF/IAF	HOMEY INT/I-IKX 6.23 DME					328.38 (I-IKX)	5.93	1800

**MISSED APPROACH**

**MAP:**  
ILS: DA  
LOC: 4.44 NM AFTER HOMEY INT/I-IKX 6.23 DME OR AT IDOCO/I-IKX 1.79 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1800, THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 360 AND BAF VORTAC R-225 TO BAF VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE HADUX, RT, 328.38 INBOUND, 2500 IN LIEU OF PT (IAF), MAX 7000.
- FAC:** 328.38 **FAF:** HOMEY INT/I-IKX 6.23 DME **DIST FAF TO MAP:** 4.44 **DIST FAF TO THLD:** 4.94
- MIN ALT:** HADUX INT/I-IKX 12.16 DME 2500, HOMEY INT/I-IKX 6.23 DME 1800
- DIST TO THLD FROM PFAF:** 4.44 **MM:** **IM:** **150 HAT:** **GS ANT:** 1081
- MIN GS INCPT:** 1800 **GS ALT AT PFAF:** HOMEY INT/I-IKX 6.23 DME 1800 **OM:** **MM:** **IM:**
- GS ANGLE:** 3:00 **34:1:** **20:1:** **TCH:** 58.6
- MSA FROM:** BAF VORTAC 010-190 3100, 190-010 3600

**NOTES:**

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 33 ALL CATS.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HFD VOR/DME ON AIRWAY RADIAL 053.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 33 CAT C/D TO RVR 6000.

**ADDITIONAL FLIGHT DATA:**

HOLD E, LT, 274.75 INBOUND.  
FAS OBST: 322 AAO 415212N/0723539W.  
CHART VDP AT 2.36 DME.  
DISTANCE VDP TO THLD 1.06 NM.



**MINIMUMS:**

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

**ALTERNATE:** NA  ILS: STANDARD; LOC: STANDARD - CAT C 1000-2 3/4, CAT D 1100-3

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 33	371	4000	200	371	4000	200	371	4000	200	371	4000	200				
S-LOC 33	580	4000	409	580	4000	409	580	5000	409	580	5000	409				
CIRCLING	700	1	527	700	1	527	1100	2 3/4	927	1220	3	1047				

**CHANGES - REASONS**

1. TERMINAL ROUTES REMOVED INITIAL SEGMENT ORW TO HADUX - ATC REQUEST.
2. MISSED APPROACH INSTRUCTIONS UPDATED FROM CLIMB TO 4000 THEN RIGHT TURN DIRECT BAF VORTAC AND HOLD TO CLIMB TO 1800, THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 360 AND BAF VORTAC R-225 TO BAF VORTAC AND HOLD. CONTINUE CLIMB-IN-HOLD TO 4000. - IAW 8260.19K 8-6-6 D 4.
3. NOTES REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ORW VOR/DME AIRWAY RADIALS 259 CW 011 - ORW REMOVED FROM IAP.
4. NOTES CHANGED FROM CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 33 CAT A/B VISIBILITY TO RVR 5500 AND CAT C/D TO RVR 6000 TO CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 33 CAT C/D TO RVR 6000 - IAW 8260.19K 8-6-12 H 3 D.
5. ADDITIONAL FLIGHT DATA UPDATED FROM FAS OBST: 323 AAO 415215N/0723539W TO FAS OBST: 322 AAO 415212N/0723539W - UPDATED TERRAIN INFORMATION.
6. ADDITIONAL FLIGHT DATA REMOVED 340 AAO 415209N/0723412W - NO LONGER REQUIRED.
7. ADDITIONAL FLIGHT DATA REMOVED CHART CIRCLING ICON - NO LONGER REQUIRED.
8. MINIMUMS CIRCLING CAT C MDA/HAA LOWERED FROM 1120/947 TO 1100/927 - TO MATCH CIRCLING CAT C RNAV (GPS) RWY 15

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZBW, BDL APP CON, AMGR

**FLIGHT CHECKED BY**

GALEN W COLLINS

*Digitally signed by*

**ROBERT G HAMILTON**

Mar 12, 2026

**OFFICE**

AJF

**DATE**

02/19/2026

**DEVELOPED BY**

JOSHUA DUGAN

*Digitally signed by*

**ROBERT G HAMILTON**

Mar 12, 2026

**OFFICE**

AJV-A433

**DATE**

10/21/2025

**APPROVED BY**

ROBERT G HAMILTON

*Digitally signed by*

**ROBERT G HAMILTON**

Mar 12, 2026

**OFFICE**

AJV-A433

**DATE**

**TITLE**  
MANAGER



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

<u>AIRPORT ID</u> BDL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 33	<u>AMDT NO.</u> 11	<u>CITY</u> WINDSOR LOCKS	<u>STATE</u> CT	<u>AIRPORT ELEVATION</u> 173	<u>FACILITY</u> I-IKX
--------------------------	--	-----------------------	------------------------------	--------------------	---------------------------------	--------------------------

**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**

<b>FROM</b> HFD VOR/DME	<b>TO</b> HADUX INT/I-IKX 12.16 DME
----------------------------	--

<u>RNP</u>	<u>DISTANCE</u> 9.88	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
------------	-------------------------	------------	------------	------------	-------------

<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 (09-000154)	414800.35N/0722719.30W	1330	250	50	4D	1000				AT170	2500
TERRAIN	414954.00N/0722524.00W	918 (900)								AS1500	2400

**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>
------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

**SEGMENT REMARKS:**

**INTERMEDIATE**

<b>FROM</b> HADUX INT/I-IKX 12.16 DME (IF/IAF)	<b>TO</b> HOMEY INT/I-IKX 6.23 DME
---	---------------------------------------

<u>RNP</u>	<u>DISTANCE</u> 5.93	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
------------	-------------------------	------------	------------	------------	-------------

<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>
AAO	415112.00N/0722706.00W	850	215	8	4B	500				AT450	1800
TERRAIN	415112.00N/0722706.00W	649 (600)								AS1000	1600

**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>
------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

**SEGMENT REMARKS:**





**AIRPORT ID**  
BDL

**PROCEDURE NAME**  
ILS OR LOC RWY 33

**AMDT NO.**  
11

**CITY**  
WINDSOR LOCKS

**STATE**  
CT

**AIRPORT ELEVATION**  
173

**FACILITY**  
I-IKX

**HOLD-IN-LIEU OF PT**

**FROM**  
HADUX

**TO**  
P-5

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
P-5

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (09-000154)	414800.35N/0722719.30W	1330	250	50	4D	1000				AT170	2500
TERRAIN	414900.00N/0722315.00W	935 (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: ILS**

**FROM**  
DA

**TO**  
BAF VORTAC

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
200

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	421224.00N/0724936.00W	1388	215	8	4B	1000					2400
TERRAIN	421224.00N/0724936.00W	1187 (1200)								AS1500	2700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
BDL

**PROCEDURE NAME**  
ILS OR LOC RWY 33

**AMDT NO.**  
11

**CITY**  
WINDSOR LOCKS

**STATE**  
CT

**AIRPORT ELEVATION**  
173

**FACILITY**  
I-IKX

**MISSED APPROACH: LOC**

**FROM**  
4.44 NM AFTER HOMEY INT/I-IKX 6.23 DME OR AT IDOCO/I-IKX 1.79 DME

**TO**  
BAF VORTAC

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

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	421224.00N/0724936.00W	1388	215	8	4B	1000					2400
TERRAIN	421224.00N/0724936.00W	1187 (1200)								AS1500	2700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**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 (09-039327)	415543.93N/0724314.34W	1.30	527	382	20	3	1A	300			700
CATEGORY B											
TREE (09-039327)	415543.93N/0724314.34W	1.81	527	382	20	3	1A	300			700
CATEGORY C											
TREE (09-039545)	415814.31N/0724424.10W	2.84	927	783	20	3	1A	300			1100
CATEGORY D											
AAO	415942.00N/0724400.00W	3.72	1047	903	215	8	4B	300			1220

**CIRCLING REMARKS:**

**MSA**

**CENTER**                      **RADIUS**  
BAF VORTAC                      25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
010-190	AAO	423148.00N/0724912.00W	002	22.6	2041	215	8	4B	1000			3100
190-010	AAO	423509.00N/0730133.00W	346	28.9	2592	215	8	4B	1000			3600

**MSA REMARKS:**



AIRPORT ID  
BDL

PROCEDURE NAME  
ILS OR LOC RWY 33

AMDT NO.  
11

CITY  
WINDSOR LOCKS

STATE  
CT

AIRPORT ELEVATION  
173

FACILITY  
I-IKX

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

BDL APP CON, BDL TOWER, ZBW ARTCC

WX SERVICE  
ASOS

LOCATION  
BDL

HRS OPERATION  
24

ALTIMETER SOURCE  
BDL

DISTANCE

WMSCR  
Y

ADJUSTMENTS  
0

BACK-UP WX SERVICE

LOCATION

HRS OPERATION

ALTIMETER SOURCE

DISTANCE

WMSCR

ADJUSTMENTS

**WX REMARKS:**

NO BACK-UP ALTIMETER SETTING SOURCE REQUIRED; REDUNDANT WEATHER SOURCES.

PRIMARY NAVAID  
I-IKX

MONITOR POINT  
BDL ATCT

HRS OPERATION  
24

CAT  
1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW15 - HIRL, REIL, PAPI-4L	NPI-G	ROLL OUT
RW06 - ALSF-2, TDZ, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW24 - MALSR, HIRL, C/LINE, TDZ, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW33 - MALSF, HIRL, PAPI-4R	PIR-G	APPROACH

GLIDESLOPE ANGLE  
3.00

ELEV RWY THRESHOLD  
168.5

TCH  
58.6

ELEV GS ANTENNA  
167.6

DISTANCE FROM RWY  
1081

VGSI ANGLE  
3.00

TCH  
72.4

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**



**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 FT MAXIMUM ADVERSE VEGETATION HEIGHT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 351 AAO 415157.00N/0723351.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

**PART D: AIRSPACE**

**DOCKET #NOT REQUIRED**

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

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	2.79
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	0.86
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	314.38
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	200
<b>DISTANCE FROM</b>	THLD	<b>TO 1500FT POINT</b>	8.37
<b>WIDTH OF</b>	INTERMEDIATE	<b>SEGMENT AT 1500FT POINT</b>	5.91
<b>TRUE COURSE OF</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	314.38
<b>HIGH TERRAIN IN</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	600

**THRESHOLD COORDINATES (IF STR-IN)**

415545.32N/0724030.96W

**ARP COORDINATES**

415620.52N/0724103.54W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP**

RUNWAY 24 DISTANCE 0.89 NM

**FAF COORDINATES**

415217.86N/0723547.43W

**FIX NAME COORDINATES**

**REMARKS**

**PART E: PREPARED BY**

**NAME**

JOSHUA DUGAN

**OFFICE**

AJV-A433

**DATE**

10/21/2025

**TITLE**

AERONAUTICAL INFORMATION SPECIALIST

