

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

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> KBDL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 3A	<u>CITY</u> WINDSOR LOCKS	<u>STATE</u> CT	
<u>AIRPORT ELEVATION</u> 173	<u>TDZE</u> 171	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 3	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 14W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1980

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ORW VOR/DME	IAF	HADUX	NOPT	TF	FB	1.00	317.29	26.99	2500
HFD VOR/DME	IAF	HADUX	NOPT	TF	FB	1.00	025.86	9.88	2500
HADUX	IF/IAF	HOMEY		TF	FB	1.00	328.49	5.93	1800
HOMEY	FAF	RW33	MAP	TF	FO	0.30	328.43	4.94	
RW33	MAP	371 MSL		CA			328.43		
371 MSL		DOCEB		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT DOCEB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD SE HADUX, RT, 328.49 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 7000.
- 3. **FAC:** 328.43 **FAF:** HOMEY **DIST FAF TO MAP:** 4.94 **DIST FAF TO THLD:** 4.94
- 4. **MIN ALT:** HADUX 2500, HOMEY 1800
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.45 **GS ANT:**
- 6. **MIN GP INCPT:** 1800 **GP ALT AT FAF:** HOMEY 1800 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 58.6
- 8. **MSA FROM:** RW33 3200

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ORW VOR/DME AIRWAY RADIALS 238 CW 011.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HFD VOR/DME AIRWAY RADIALS 053 CW 097.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 148.25 INBOUND.
 FAS OBST: 304 AAO 415303N/0723757W.
 323 AAO 415215N/0723539W.
 CHART VDP AT 1.00 NM TO RW33.
 WAAS CHANNEL # 65628
 REFERENCE PATH ID: W33A
 CHART CIRCLING ICON.
 LTP HAE: 22.3 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 1000-2 3/4, CAT D 1100-3



CATEGORY:	A			B			C			D			E		
	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
LPV DA	371	4000	200	371	4000	200	371	4000	200	371	4000	200			
LNAV/VNAV DA	463	4000	292	463	4000	292	463	4000	292	463	4000	292			
LNAV MDA	560	4000	389	560	4000	389	560	4500	389	560	4500	389			
CIRCLING	700	1	527	700	1	527	1120	2 3/4	947	1220	3	1047			

CHANGES - REASONS

1. ADDED TO PROFILE LINE 2 MAX HIL ALTITUDE OF 7000 - 8260.19I, 8-6-7.B(2).
2. ADDED TO PROFILE LINE 7 20:1 IS CLEAR - IAW 8260.19I 8-6-7.G.(3)A, THERE ARE NO 20:1 PENETRATIONS.
3. REMOVED CHART NOTE: CIRCLING RWY 19 NA AT NIGHT - RWY 1/19 DECOMMISSIONED.
4. REMOVED CHART NOTE: "DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENT NOTES - IAW 8260.19I PARA 8-6-8 B(1).
5. REMOVED ADDITIONAL FLIGHT DATA NOTE "*LOC ONLY" - NO LONGER REQUIRED; IAW 8260.19I 8-6-7D AND 8-6-10M (MEMO).
6. UPDATED ADDITIONAL FLIGHT DATA: FROM "CHART VDP AT 1.00 NM TO RW33*" TO "CHART VDP AT 1.00 NM TO RW33" - ASTERISK NO LONGER REQUIRED.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE *Digitally signed by* **DATE**
JOHN BORDY
Apr 29, 2021

DEVELOPED BY

JOHN BORDY (ALEX BALLESTER MARTINEZ)

Digitally signed by
JOHN BORDY
Apr 29, 2021

OFFICE **DATE**
AJV-A422 03/02/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by
JOHN BORDY
Apr 29, 2021

OFFICE **DATE**
AJV-A420

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBDL
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	415545.3235N
LTP/FTP LONGITUDE	0724030.9555W
LTP/FTP ELLIPSOIDAL HEIGHT	+00223
FPAP LATITUDE	415647.6570N
FPAP LONGITUDE	0724156.2965W
THRESHOLD CROSSING HEIGHT (TCH)	00058.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0664
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	6D66B942

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00514
FPAP ORTHOMETRIC HEIGHT	+00514

