

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</u> ESSEX COUNTY	<u>AIRPORT ID</u> KCDW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> CALDWELL	<u>STATE</u> NJ
<u>AIRPORT ELEVATION</u> 172	<u>TDZE</u> 172	<u>SUPERSEDED</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 01/08/2015	<u>MAG VAR</u> 13W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 1985

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>
SAX VORTAC		WOKPU		TF	FO	2.00	193.45	12.82	2700
SBJ VOR/DME	IAF	WOKPU	NOPT	TF	FB	1.00	042.44	18.65	2700
WOKPU	IF/IAF	HILKI		TF	FB	1.00	095.98	2.64	2400
HILKI		SULOY		TF	FB	1.00	096.02	3.40	2000
SULOY	FAF	ZIRID/2.33 NM TO RW10		TF	FB	0.30	096.07	3.33	
ZIRID/2.33 NM TO RW10		RW10	MAP	TF	FO	0.30	096.07	2.33	
RW10	MAP	572 MSL		CA			096.07		
572 MSL		WOKPU		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LP: RW10
 LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 2700 DIRECT WOKPU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD W WOKPU, RT, 095.98 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 5000.

3. FAC: 096.07 FAF: SULOY DIST FAF TO MAP: 5.66 DIST FAF TO THLD: 5.66

4. MIN ALT: WOKPU 2700, HILKI 2400, SULOY 2000, ZIRID/2.33 NM TO RW10 940

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:

6. MIN GP INCPT: GP ALT AT FAF :

7. GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:

8. MSA FROM: RW10 2900

PBN REQUIREMENTS NOTES:

RNP APCH

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SAX VORTAC AIRWAY RADIALS 185 CW 252.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SBJ VOR/DME AIRWAY RADIALS 309 CW 117.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 327 TANK 405220N/0741905W
FAS OBST: 479 TREE 405252N/0742039W
CHART CIRCLING ICON.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
WAAS CHANNEL #81922
REFERENCE PATH ID: W10A
LTP HAE: 19 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT B 900-2, CAT C 1000-2 3/4, CAT D 1300-3

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
LP MDA	600	1	428	600	1	428	600	1 1/4	428	600	1 1/4	428			
LNAV MDA	740	1	568	740	1	568	740	1 5/8	568	740	1 5/8	568			
CIRCLING	940	1	768	1040	1 1/4	868	1100	2 3/4	928	1400	3	1228			



CHANGES - REASONS

1. INCREASED LP MDA/HAT FROM 580/408 TO 600/428. - MISSED APPROACH SECTION 1 PENETRATIONS/INCORPORATED NOTAM FDC 7/6038.
2. INCREASED CIRC CAT B MDA/HAA FROM 980/808 TO 1040/860, VISIBILITY FROM 1 MILE TO 1 1/4 MILE. INCREASED CIRC CAT C MDA/HAA FROM 1040/868 TO 1100/928, VISIBILITY FROM 2 1/2 MILE TO 2 3/4 MILE. INCREASED CIRC CAT D MDA/HAA FROM 1100/928 TO 1400/1228. - NEW CIRCLING CRITERIA APPLIED.
3. UPDATED INTERMEDIATE AND INTERMEDIATE STEPDOWN RNP FROM 0.50 TO 1.00. - IAW 8260.19H PARA 4-6-10 F.
4. LINE 7: ADDED 20:1 IS NOT CLEAR. - 20:1 PENETRATIONS EXIST.
5. REMOVED CHART NOTE: DME/DME RNP-0.3 NA. ADDED PBN REQUIREMENT NOTE: RNP APCH. - IAW 8260.19H.
6. ADDED CHART NOTE: CHART CIRCLING ICON. - NEW CIRCLING CRITERIA APPLIED IAW 8260.3C.
7. INCORPORATED P-NOTAM ORIG-B (DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 22 NA AT NIGHT.) - IAW 8260.19H 8-3-4 C(2).
8. UPDATED CHART NOTE: "VISIBILITY REDUCTION BY HELICOPTERS NA" TO "RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED." - IAW 8260.19H SECTION 8-6-11 K(3).
9. UPDATED CHART NOTE: "STRAIGHT-IN/CIRCLING RWY 10 PROCEDURE NA AT NIGHT" TO "PROCEDURE NA AT NIGHT." - IAW 8260.19H SECTION 8-6-11 O(2)A.
10. DELETED CHART NOTE: CIRCLING TO RWY 04, 28 NA AT NIGHT. - REDUNDANT INFORMATION.
11. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST: FROM 327 TANK TO 326 TANK. - UPDATED OBSTACLE SURVEY.
12. ADDITIONAL FLIGHT DATA: DELETED SULOY TO RW10: 3.00/40. ADDED PROFILE NOTE: VISUAL SEGMENT OBSTACLES. - INCORPORATE NOTAM FDC 7/2131.
13. UPDATED LINE 3: DISTANCE FAF TO MAP: FROM 5.62 NM TO 5.66 NM. - NEW AIRNAV RUNWAY SURVEY DATA. THLD DISPLACED CHANGED FROM 180 FT TO 344 FT.
14. MOVED ALTERNATE ALTIMETER CHART NOTE TO 8260-9 PART C - REMARKS. - IAW 8260.19H 8-6-9 F(3).
15. REMOVED "NA WHEN LOCAL WEATHER NOT AVAILABLE" FROM ALTERNATE MINIMUMS. - ALTERNATE MINIMUMS ARE AUTHORIZED FOR RNAV (GPS) PROCEDURES.
16. FAS DATA: LTP/FTP LATITUDE/LONGITUDE UPDATED FROM 405237.7910N/0741710.5045W TO 405237.9840N/0741708.3831W. LTP/FTP ELLIPSOIDAL HEIGHT UPDATED FROM +00190 TO +00019. - NEW AIRNAV DATA INCORPORATED.
17. FAS DATA: FPAP LATITUDE/LONGITUDE UPDATED FROM 465248.4100N/0741513.8700W TO 405248.6000N/0741511.7570W. - NEW AIRNAV DATA INCORPORATED.
18. LTP/FPAP ORTHOMETRIC HEIGHT UPDATED FROM +00514 TO +00515. - THLD ELEVATION ROUNDING CONVERSION FROM STANDARD TO METRIC.
19. FAS DATA: LENGTH OFFSET CHANGED FROM 1672 TO 1616. - UPDATED IAW AFS-240 FPAP CALCULATOR.
20. FAS DATA: CRC REMAINDER UPDATED FROM 2667F015 TO 195620DC. - DUE TO CHANGE IN FPAP COORDINATES, LENGTH OFFSET, REMOVAL OF TCH AND GLIDEPATH ANGLE CHANGING FROM 03.00 TO 00.00.
21. DISTANCE FROM ZIRID TO RW10 CHANGED FROM 2.30 NM TO 2.33 NM. - THLD DISPLACED AN ADDITIONAL 164 FT, FIX ZIRID LOCATION UNCHANGED.
22. INCREASED LP VIS CATS C AND D FROM 1 1/8 TO 1 1/4. - DUE TO INCREASED HAT.
23. FAS DATA: GLIDEPATH ANGLE CHANGED FROM 3.00 TO 0.00. - VISUAL SEGMENT OBSTACLES REPORTED.



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒

OTHER: NYC APP CON, CDW ATCT, AIRPORT MGR

FLIGHT CHECKED BY

STEPHEN BAUER

Digitally signed by

BEV L BORDY

Sep 12, 2018

OFFICE

FICO

DATE

8/14/18

Digitally signed by

BEV L BORDY

Sep 12, 2018

OFFICE

AJV-5400

DATE

04/10/2018

APPROVED BY

LONNIE EVERHART

Digitally signed by

BEV L BORDY

Sep 12, 2018

OFFICE

AJV-5400

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCDW
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	405237.9840N
LTP/FTP LONGITUDE	0741708.3830W
LTP/FTP ELLIPSOIDAL HEIGHT	+00019
FPAP LATITUDE	405248.6000N
FPAP LONGITUDE	0741511.7570W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	195620DC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00515
FPAP ORTHOMETRIC HEIGHT	+00515

