

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> DUPLIN CO	<u>AIRPORT ID</u> KDPL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> KENANSVILLE	<u>STATE</u> NC
<u>AIRPORT ELEVATION</u> 137	<u>TDZE</u> 137	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 12/11/2014	<u>MAG VAR</u> 9W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> 11/08/2018	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

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>
BEULA		TABDY		TF	FB	2.00	005.20	11.03	2000
MANWE		RUTBY		TF	FB	2.00	100.53	5.32	2000
TABDY	IAF	UPBID		TF	FB	1.00	295.45	7.00	2000
RUTBY	IAF	UPBID		TF	FB	1.00	155.43	6.01	2000
JOSCH	IAF	UPBID		TF	FB	1.00	181.07	7.89	2000
UPBID	IF	LITBY		TF	FB	1.00	225.43	6.00	1700
LITBY	FAF	LICIR/1.40 NM TO RW23		TF	FB	0.30	225.41	3.37	
LICIR/1.40 NM TO RW23		RW23	MAP	TF	FO	0.30	225.41	1.40	
RW23	MAP	1000 MSL		CA			225.41		1000
1000 MSL		TABDY		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 DIRECT TABDY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT UPBID

3. FAC:

225.41

FAF: LITBY

DIST FAF TO MAP: 4.77

DIST FAF TO THLD: 4.77

4. MIN ALT: UPBID 2000, LITBY 1700, LICIR/1.40 NM TO RW23 620*

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.49

GS ANT:

6. MIN GP INCPT:

1700

GP ALT AT FAF : LITBY 1700

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 43.4

8. MSA FROM: RW23 2200

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BEULA ON V70 SOUTHBOUND AND V56 WESTBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
WAAS CHANNEL #69521
REFERENCE PATH ID: W23A
CHART FAS OBST: 230 TREE 350039N/0775729W.
CHART: 240 TREE 350125N/0775654W.
338 AAO 350415N/0775430W.
HOLD SE, RT, 295.51 INBOUND
LTP HAE: 5.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 1/2

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
LPV DA	337	3/4	200	337	3/4	200	337	3/4	200	337	3/4	200			
LNAV/VNAV DA	407	7/8	270	407	7/8	270	407	7/8	270	407	7/8	270			
LNAV MDA	480	1	343	480	1	343	480	1	343	480	1	343			
CIRCLING	540	1	403	600	1	463	780	1 3/4	643	940	2 1/2	803			



CHANGES - REASONS

1. LPV DA/HAT DECREASED FROM 340/203 TO 337/200. - NO MISSED APPROACH PENETRATION FOUND AS A RESULT OF NEW SURVEY.
2. LNAV/VNAV DA/HAT DECREASED FROM 420/283 TO 407/270. - NEW LNAV/VNAV FINAL CONTROLLING OBSTACLE AS A RESULT OF NEW SURVEY.
3. LNAV MDA/HAT DECREASED FROM 520/383 TO 480/343. - NEW LNAV FINAL STEPDOWN CONTROLLING OBSTACLE AS A RESULT OF NEW SURVEY.
4. CIRC CAT A MDA/HAT DECREASED FROM 560/423 TO 540/403. CIRC CAT C MDA/HAT INCREASED FROM 600/463 TO 780/643, VISIBILITY INCREASED FROM 1 1/2 TO 1 3/4 MILE. CIRC CAT D MDA/HAT INCREASED FROM 700/563 TO 940/803; VISIBILITY INCREASED FROM 2 TO 2 1/2 MILE. - APPLICATION OF NEW CIRCLING RADII IAW 8260.3C.
5. TERMINAL ROUTES: TABDY TO UPBID COURSE UPDATED FROM 295.51 TO 295.45; RUTBY TO UPBID COURSE/DISTANCE UPDATED FROM 155.39/6.00 TO 155.43/6.01; JOSCH TO UPBID COURSE UPDATED FROM 181.06 TO 181.07. - WAYPOINT UPBID MOVED 42.35 FT SOUTH TO MAINTAIN INTERMEDIATE COURSE AND DISTANCE.
6. TERMINAL ROUTES: INTERMEDIATE RNP UPDATED FROM 0.50 TO 1.00. - IAW 8260.19H 4-6-10F.
7. TERMINAL ROUTES: LITBY (FAF) TO LICIR/1.40 NM TO RW23 COURSE UPDATED FROM 225.39 TO 225.41; LICIR/1.40 NM TO RW23 DISTANCE UPDATED FROM 3.38 NM TO 3.37 NM. - UPDATED COURSE FROM BUILD REPORT.
8. TERMINAL ROUTES: MISSED APPROACH 1000 MSL TO TABDY RNP 1.00 ADDED. - IAW 8260.58A SECTION 4.3.
9. PROFILE LINE 3: FAC UPDATED FROM 225.39 TO 225.41; DISTANCE FAF TO MAP/THLD UPDATED FROM 4.78 NM TO 4.77 NM. - UPDATED COURSE/DISTANCE FROM BUILD REPORT.
10. PROFILE LINE 5: DISTANCE TO THLD FROM 203 HAT: 0.51 NM UPDATED TO 200 HAT: 0.49 NM. - DECREASE IN LPV DA.
11. PROFILE LINE 7: 20:1 IS CLEAR ADDED; TCH UPDATED FROM 41.5 FT TO 43.4 FT. - NO 20:1 PENETRATIONS EXIST; UPDATED TO MATCH NEW VGSI ANGLE.
12. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 238 TREE 350023N/0775430W REMOVED. - IAW 8260.19H 8-6-10C.
13. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBSTACLE: FROM 257 TREE 350205N/0775756W TO 230 TREE 350039N/0775729W. - NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
14. ADDITIONAL FLIGHT DATA: ADDED CHART 240 TREE 350125N/0775654W - LNAV STEPDOWN 7:1 OBSTACLE.
15. ALTERNATE MINIMUMS CHANGED FROM "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "STANDARD - CAT D 900-2 1/2" - ALTERNATE MINIMUMS ARE AUTHORIZED AND CAT D INCREASED DUE TO USE OF LARGER CIRCLING RADII.
16. CHART NOTE: DME/DME RNP-0.3 NA REMOVED. ADDED PBN REQUIREMENTS NOTE: RNP APCH. - IAW 8260.19H.
17. CHART NOTE: MOVED ALTERNATE ALTIMETER NOTE TO 8260-9 PART C - REMARKS. IAW 8260.19H 8-6-9 F.
18. CHART NOTE: MOVED BARO-VNAV NA WHEN USING CLINTON ALTIMETER SETTING TO 8260-9 PART C - REMARKS. - IAW 8260.19H 8-6-9 F.2(E)3.
19. CHART NOTE: UPDATED UNCOMPENSATED BARO-VNAV SYSTEMS NOTE FROM LNAV/NAV NA BELOW -15C (5F) OR ABOVE 43C (109F) TO NA BELOW -15C OR ABOVE 54C. - FAHRENHEIT REMOVED IAW 8260.19H.
20. CHART NOTE: REMOVED "PROCEDURE NA FOR ARRIVALS AT JOSCH ON V213 NORTHBOUND." - FIX JOSCH UPDATED TO RNAV WAYPOINT; V213 BEING REMOVED.
21. FAS DATA: LTP/FTP LATITUDE AND LONGITUDE UPDATED FROM 350024.1205N/0775832.7110W TO 350024.0370N/0775832.5730W. - THLD SHIFTED 12.5FT; NEW RWY SURVEY DATED 4/11/2018.
22. FAS DATA: FPAP LATITUDE/LONGITUDE UPDATED FROM 345912.2500N/0775937.0000W TO 345912.1785N/0775936.8860W. - NEW FPAP LOCATION.
23. FAS DATA: CRC REMAINDER UPDATED FROM 4518EBAD TO 234429FA. - NEW LTP/FTP LATITUDE AND LONGITUDE.
24. FAS DATA: LTP AND FPAP ORTHOMETRIC HEIGHT UPDATED FROM +00416 TO +000415. - NEW RWY SURVEY DATED 4/11/2018.
25. ADDITIONAL FLIGHT DATA: 344 AAO 350415N/0775430W CHANGED TO 338 AAO 350415N/0775430W. - IAW 8260.19H 8-6-10C.
26. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON. - APPLICATION OF NEW CIRCLING RADII IAW 8260.3C.
27. FAS DATA: TCH UPDATED FROM 00041.5 TO 00043.4. - UPDATED TO MATCH NEW VGSI ANGLE.

09/04/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/25/2018.

1. ENTERED "11/08/2018" IN REQUIRED EFFECTIVE DATE BLOCK.



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** GSB APP CON, ZDC, AMGR

FLIGHT CHECKED BY

PENDING

DEVELOPED BY

LONNIE EVERHART (BARBARA GORMAN)

APPROVED BY

LONNIE EVERHART

Digitally signed by

BEV L BORDY

Sep 05, 2018

Digitally signed by

BEV L BORDY

Sep 05, 2018

Digitally signed by

BEV L BORDY

Sep 05, 2018

OFFICE

FIOG

OFFICE

AJV-5400

OFFICE

AJV-5400

DATE

DATE

06/25/2018

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDPL
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	350024.0370N
LTP/FTP LONGITUDE	0775832.5730W
LTP/FTP ELLIPSOIDAL HEIGHT	+00059
FPAP LATITUDE	345912.1785N
FPAP LONGITUDE	0775936.8860W
THRESHOLD CROSSING HEIGHT (TCH)	00043.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 234429FA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00415
FPAP ORTHOMETRIC HEIGHT	+00415

