

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33							Bearings, headings, courses, 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 in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH						
FROM				TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV: RW23							
MERCY (IAF)				ZARTO (NOPT) (TF) (FB) (RNP 1.00)			195.93 / 5.55				3000		CLIMB TO 3600 DIRECT FIVEG AND HOLD.							
VOLAN (IAF)				ZARTO (NOPT) (TF) (FB) (RNP 1.00)			305.35 / 5.38				3000									
ZARTO (IF/IAF)				WOBUT (TF) (FB) (RNP 1.00)			228.89 / 6.43				2600									
WOBUT (FAF)				RW23 (MAP) (TF) (FO) (RNP 0.30)			228.83 / 4.75													
RW23 (MAP)				1288 MSL (CA)			228.83						ADDITIONAL FLIGHT DATA: HOLD SW, LT, 048.73 INBOUND. CHART FAS OBST: 1329 TREE 410453N/0802114W. CHART 1349 TREE 410518N/0802118W. DISTANCE TO THLD FROM 261 HAT: 0.70 NM. CHART VDP AT 1.67 NM TO RW23* *LNAV ONLY. WAAS CHANNEL # 45605 REFERENCE PATH ID: W23A LTP HAE: 272.8 M							
1288 MSL				FIVEG (DF) (FO) (RNP 1.00)							3600									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 9W EPOCH YEAR: 2005						
2. HOLD NE ZARTO, RT, 228.89 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																				
3. FAC: 228.83 FAF: WOBUT DIST FAF TO MAP: 4.75 THLD: 4.75																				
4. MIN. ALT: ZARTO 3000, WOBUT 2600																				
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																				
6. MIN GS INCPT: 2600 GS ALT AT: WOBUT 2600 OM: _____ MM: _____ IM: _____																				
7. GS ANGLE: 3.00 TCH: 59.0 20:1 IS CLEAR 34:1 IS CLEAR																				
8. MSA FROM: RW23 3600																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD										
CATEGORY =====>		A			B			C			D			E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA					
LPV DA	1288	1	261	1288	1	261	1288	1	261		NA									
LNAV MDA	1580	1	553	1580	1	553	1580	1 1/2	553		NA									
CIRCLING	1580	1	510	1700	1	630	1700	1 3/4	630		NA									
NOTES: CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: VDP NA WHEN USING YOUNGSTOWN-WARREN RGNL ALTIMETER SETTING. PBN REQUIREMENTS NOTE: RNP APCH. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE YOUNGSTOWN-WARREN RGNL ALTIMETER SETTING (CONTINUED ON PAGE 2)																				
CITY AND STATE NEW CASTLE, PA				ELEVATION: 1070 TDZE: 1027 AIRPORT NAME: NEW CASTLE MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1C 24 MAY 2018					SUP: AMDT: 1B DATED 03/05/2015					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**NOTES, (CONT.):**

**AND INCREASE ALL DA 61 FT AND ALL MDA 80 FT; INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 SM.**

QUALITY  
24  
CHECKED

CITY AND STATE

**NEW CASTLE, PA**

**ELEVATION: 1070**

**TDZE: 1027**

AIRPORT NAME:

**NEW CASTLE MUNI**

FACILITY  
IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**RNAV (GPS) RWY 23, AMDT 1C**

24 MAY 2018

SUP:

AMDT: **1B**

DATED: **03/05/2015**

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUCP
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	410151.1735N
LTP/FTP LONGITUDE	0802431.9130W
LTP/FTP ELLIPSOIDAL HEIGHT	+02728
FPAP LATITUDE	410042.6600N
FPAP LONGITUDE	0802547.2300W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 D39D7663

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03068
FPAP ORTHOMETRIC HEIGHT	+03068

QUALITY  
24  
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