

**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.

AIRPORT ID DYL	PROCEDURE NAME RNAV (GPS) RWY 23	ORIGINAL/AMENDMENT 2	CITY DOYLESTOWN	STATE PA
AIRPORT ELEVATION 394	TDZE 393	SUPERSEDED RNAV (GPS) RWY 23	ORIGINAL/AMENDMENT 1C	DATED 04/23/2020
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 27 NOVEMBER 2025	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 12W
				EPOCH YEAR 1995
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DIRPE	IF/IAF	ZURDA		TF	FB	1.00	224.78	5.11	2000
ZURDA	FAF	LNDRN/2.09 NM TO RW23		TF	FB	0.30	229.46	2.83	
LNDRN/2.09 NM TO RW23		RW23	MAP	TF	FO	0.30	229.46	2.09	
RW23	MAP	794 MSL		CA			229.46		
794 MSL		AWISA		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LP: RW23
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT TO AWISA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE DIRPE, RT, 224.81 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.
- FAC: 229.46 FAF: ZURDA DIST FAF TO MAP: 4.92 DIST FAF TO THLD: 4.92
- MIN ALT: DIRPE 3000, ZURDA 2000, LNDRN/2.09 NM TO RW23 1100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
- MIN GP INCPT: GP ALT AT FAF:
- GP ANGLE: 34:1 IS NOT CLEAR 20:1 IS NOT CLEAR TCH:
- MSA FROM: RW23 2700



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TTN ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET.
CHART NOTE: STRAIGHT-IN RWY 23 NA AT NIGHT, CIRCLING RWY 23 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

FAS OBST: 758 AAO 402224N/0750557W
FAS OBST: 588 AAO 402142N/0750548W
ZURDA TO RW23: 3.00/40
HOLD SW, LT, 049.84 INBOUND.
WAAS CHANNEL # 48847
REFERENCE PATH ID: W23A
CHART CIRCLING ICON.
LTP HAE: 85.6 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LP MDA	840	1	447	840	1	447		NA			NA				
LNAV MDA	1020	1	627	1020	1	627		NA			NA				
CIRCLING	1020	1	626	1060	1	666		NA			NA				



CHANGES - REASONS

1. TERMINAL ROUTES: ADDED FINAL STEPDOWN SEGMENT "LNDNRN/2.09 NM TO RW23" TO TERMINAL ROUTES - FAF MOVED TO MAINTAIN 3.00 VDA.
2. TERMINAL ROUTES: DIRPE TO ZURDA COURSE CHANGED FROM "224.81" TO "224.78"; DISTANCE CHANGED FROM "5.17" TO "5.11" - PFAF MOVED, DISPLACED THRESHOLD ADDED TO RUNWAY
3. NOTES: CHANGE CHART NOTE: FROM:"WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TTN ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET." TO: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TTN ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET." - IAW 860.19J, PARA 8-6-10F(4).
4. MISSED APPROACH INSTRUCTIONS: CHANGED FROM: " CLIMB TO 3000 DIRECT WOKUS AND VIA TRACK 229.9 TO AWISA AND HOLD" TO: " CLIMB TO 3000 DIRECT AWISA AND HOLD." - ADDED PER FPT REQUEST
5. PROFILE: LINE 2 CHANGED MAX HOLDING AT DIRPE FROM: "5000" TO: "6000" - PER FPT REQUEST.
6. PROFILE: LINE 3: CHANGED FAC FROM "229.46" TO "229.47"; DIST FAF TO MAP AND DIST FAF TO THLD FROM 4.86 TO 4.92 - ZURDA (PFAF) MOVED 316 FT NE.
7. ADDITIONAL FLIGHT DATA: ADDED CHART NOTE: STRAIGHT-IN RWY 23 NA AT NIGHT, CIRCLING RWY 23 NA AT NIGHT. - 20:1 PENETRATIONS
8. MINIMUMS: LNAV CHANGED MDA FROM "1040" TO "1020." - NEW CONTROLLING OBST AAO 402224.00N/0750557.00W (758)
9. MINIMUMS: CIRCLING CHANGED CAT A FROM: " 1040" TO: "1020" - NEW CONTROLLING OBS POLE 402104.00N/0750815.00W (658)
10. MINIMUMS: CIRCLING CHANGED CAT B FROM: " 1040" TO: "1060" - NEW CONTROLLING OBS AAO 402157.00N/0750706.00W (752)
11. MINIMUMS: ADDED LP LINE OF MINIMA AND ASSOCIATED FAS DATA - PER FPT REQUEST
12. FAS DATA BLOCK INFORMATION: ADDED CRC REMAINDER: CCCD0894 FOR LP LINE OF MINIMA - IAW 8260.19J 8-6-12I(3)(NOTE)
13. FAS DATA BLOCK INFORMATION: ADDED LENGTH OFFSET 1864 FT FOR LP LINE OF MINIMA - IAW 8260.19J 8-6-12I(3)(NOTE)
14. FAS DATA BLOCK INFORMATION: ADDED HORIZONTAL ALERT LIMIT (HAL) AND VERTICAL ALERT LIMIT (VAL) 40.0/0.00 FOR LP LINE OF MINIMA - IAW 8260.19J 8-6-12I(3)(NOTE)
15. FAS DATA BLOCK INFORMATION: ADDED FAS FPAP LAT/LONG 401859.3345N/0750820.0525W - IAW 8260.19J 8-6-12I(3)(NOTE)
16. ADDED "WAAS CHANNEL #48847" AND "REFERENCE PATH ID: W23A" - 8260.19J APPENDIX K-4(I)
17. TDZE CHANGED FROM "394" TO "393" - ADDED DISPLACED THRESHOLD ON RWY 23.
18. REMOVED CHART NOTE: " DME/DME RNP-0.3 NA"AND ADDED PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - 8260.19J 8-6-8.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZNY, PHL APP CON, AMGR.

FLIGHT CHECKED BY

MICHAEL G CAMPBELL

Digitally signed by

ALLAN WILL

Aug 04, 2025

OFFICE

AJF

DATE

07/21/2025

DEVELOPED BY

LIAM DONAHUE (BYRON STUBBLEFIELD)

Digitally signed by

ALLAN WILL

Aug 04, 2025

OFFICE

AJV-33

DATE

04/17/2025

APPROVED BY

KYLE THOMPSON

Digitally signed by

ALLAN WILL

Aug 04, 2025

OFFICE

AJV-33

DATE

TITLE
MANAGER



