

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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> CTK	<u>PROCEDURE NAME</u> VOR-A	<u>ORIGINAL/AMENDMENT</u> 9	<u>CITY</u> CANTON	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 684	<u>TDZE</u>	<u>SUPERSEDED</u> VOR-A	<u>DATED</u> 12/02/2021	<u>MAG VAR</u> 4E
<u>FACILITY</u> PIA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1965
				<u>CANCEL/SUSPEND</u>

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>
PIA VORTAC	IF/IAF	BRUNE/PIA 9.00 DME/RADAR	NOPT				238.82	9.00	2300

MISSED APPROACH

MAP:

5.25 NM AFTER BRUNE/PIA 9.00 DME/RADAR OR AT MAHET/PIA 14.26 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 2300 DIRECT PIA VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- HOLD NE PIA VORTAC, RT, 238.82 INBOUND, 2300 FT. IN LIEU OF PT (FAF/IAF), MAX 6000.
- FAF:** 238.82 **FAF:** BRUNE/PIA 9.00 DME/RADAR **DIST FAF TO MAP:** 5.25 **DIST FAF TO THLD:**
- MIN ALT:** PIA VORTAC 2300, BRUNE/PIA 9.00 DME/RADAR 2300
- MSA FROM:** PIA VORTAC 2800

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PIA VORTAC AIRWAY RADIALS 170 CW 329.
CHART NOTE: USE PIA ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.

ADDITIONAL FLIGHT DATA:

FAC CROSSES AIRPORT REFERENCE POINT
CHART PIA ASOS-3
HOLD NE, RT, 238.82 INBOUND.
CHART FAS OBST: 1030 TOWER (17-000639) 403517N/0900219W.



MINIMUMS:

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

ALTERNATE: NA

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
CIRCLING	1400	1	716	1440	1	756	1440	2 1/4	756		NA				

CHANGES - REASONS

1. CHANGED FINAL APPROACH COURSE FROM 238.81 TO 238.82 IN TERMINAL ROUTES AND PROFILE LINE 3 - ROUNDING ERROR CORRECTED.
2. RELOCATED MISSED APPROACH POINT MAHET 15 FT NORTHEAST AND CHANGED FROM 5.26 NM AFTER BRUNE... TO 5.25 NM AFTER BRUNE... - RESULT OF SLIGHT COURSE CHANGE LISTED ABOVE.
3. CHANGED MISSED APPROACH INSTRUCTIONS FROM 'CLIMBING LEFT TURN TO 2300 ON HEADING 046 AND PEORIA R-239 TO BRUNE/PIA 9.00 DME/RADAR AND HOLD' TO 'CLIMBING LEFT TURN TO 2300 DIRECT PIA VORTAC AND HOLD' - PREVIOUS HOLDING AT BRUNE/PIA 9.00 DME/RADAR NO LONGER FEASIBLE DUE TO NUMEROUS CRITERIA VIOLATIONS.
4. PROFILE LINE 2: CHANGED HOLD-IN-LIEU OF PT INBOUND COURSE FROM 238.81 TO 238.82 - COINCIDES WITH CHANGE TO FINAL APPROACH COURSE.
5. PROFILE LINE 3: CHANGED DIST FAF TO MAP FROM 5.26 TO 5.25 - DUE TO MAP RELOCATION.
6. CHANGED PLANVIEW NOTE FROM 'NOPT FOR ARRIVALS ON PIA VORTAC AIRWAY RADIALS 014 CW 115' TO 'PROCEDURE NA FOR ARRIVAL ON PIA VORTAC AIRWAY RADIALS 170 CW 329' - PROCEDURE ENTRY WOULD EXCEED 120 DEGREES TURN PER 8260.3F PARA. 2-4-1A.
7. ADDED NOTE 'USE PIA ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA' - REQUIRED WHEN USING A REMOTE ALTIMETER PER 8260.19J PARA. 8-6-10F(6).
8. MOVED 'CHART: PEORIA ASOS' FROM REMARKS TO ADDITIONAL FLIGHT DATA AND CHANGED FORMAT TO 'CHART PIA ASOS-3' - PER 8260.19J PARA. 8-2-4B(3).

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: PIA APP CON, ZAU ARTCC, AMGR

FLIGHT CHECKED BY

MARC WEBBER

Digitally signed by

RAKE MCGRAW

Apr 09, 2025

OFFICE

AJF

DATE

04/04/2025

DEVELOPED BY

RALPH DUMAR

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Feb 06, 2025

OFFICE

AJV-A422

DATE

10/25/2024

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BEV L BORDY

Digitally signed by

RAKE MCGRAW

Apr 09, 2025

OFFICE

AJV-A420

DATE

05/08/2025

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> CTK	<u>PROCEDURE NAME</u> VOR-A	<u>AMDT NO.</u> 9	<u>CITY</u> CANTON	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 684	<u>FACILITY</u> PIA
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM PIA VORTAC (IF/IAF)	TO BRUNE/PIA 9.00 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 9.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-002473)	404010.00N/0895331.00W	1049	500	50	5D	500					1600
TERRAIN	404100.00N/0895442.00W	761 (800)								AS1500	2300

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

FINAL

FROM BRUNE/PIA 9.00 DME/RADAR	TO 5.25 NM AFTER BRUNE/PIA 9.00 DME/RADAR OR AT MAHET/PIA 14.26 DME
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<u>RNP</u>	<u>DISTANCE</u> 5.25	<u>PAT</u>	<u>MAP</u> 5.25 NM AFTER BRUNE/PIA 9.00 DME/RADAR OR AT MAHET/PIA 14.26 DME	<u>HAT</u> 716	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-000639)	403517.00N/0900219.00W	1030	250	50	4D	250				AC50 RA46 XP24	1400

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

XP: TO MATCH OLD MINIMUMS



AIRPORT ID
CTK

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VOR-A

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9

CITY
CANTON

STATE
IL

AIRPORT ELEVATION
684

FACILITY
PIA

HOLD-IN-LIEU OF PT

FROM
PIA VORTAC

TO
P-4

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
P-4

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-002473)	404010.00N/0895331.00W	1049	500	50	5D	1000					2100
TERRAIN	404700.00N/0893809.00W	810 (800)								AS1500	2300

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH

FROM
5.25 NM AFTER BRUNE/PIA 9.00 DME/RADAR OR AT MAHET/PIA 14.26 DME

TO
PIA VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1144

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2300
TOWER (17-002473)	404010.00N/0895331.00W	1049	500	50	5D	1000					2100
TERRAIN	404006.00N/0895736.00W	774 (800)								AS1500	2300

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



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FACILITY
PIA

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TANK (17-027404)	403324.25N/0900506.85W	1.30	716	818	50	20	2C	300		SI/RA46	1400
CATEGORY B											
TOWER (17-000639)	403517.00N/0900219.00W	1.83	756	1030	250	50	4D	300		AC50 RA46	1440
CATEGORY C											
TOWER (17-000639)	403517.00N/0900219.00W	2.88	756	1030	250	50	4D	300		AC50 RA46	1440

CIRCLING REMARKS:

MSA

CENTER
PIA VORTAC

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (17-001398)	403841.00N/0891047.00W	090	28.1	1787	500	50	5D	1000			2800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

75' VEGETATION USED PER FPT.



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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

IKK FSS, ZAU ARTCC, PIA APP CON

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> PIA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PIA	<u>DISTANCE</u> 18.34	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 46
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<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
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WX REMARKS:

NO SUITABLE BACKUP ALTIMETER SOURCE AVAILABLE.

<u>PRIMARY NAVAID</u> PIA VORTAC	<u>MONITOR POINT</u> MOCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09 - MIRL (PCL)	BSC-F	
RW27 - MIRL (PCL)	BSC-F	
RW18 - MIRL (PCL)	NPI-F	
RW36 - REIL (PCL), MIRL (PCL)	NPI-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="text"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="text"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.25
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.73
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	242.82
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	THLD	TO 1500FT POINT	5.05
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.55
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	242.82
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	700

THRESHOLD COORDINATES (IF STR-IN)

ARP COORDINATES	403408.70N/0900429.40W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36 DISTANCE 0.40 NM
FAF COORDINATES	403640.88N/0895804.83W
FIX NAME COORDINATES	IF/IAF PIA VORTAC 404048.25N/0894733.91W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RALPH DUMAR	AJV-A422	10/25/2024	AERONAUTICAL INFORMATION SPECIALIST

