

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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 ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
PIT	RNAV (RNP) Z RWY 10C	1	PITTSBURGH	PA		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1203	1141	RNAV (RNP) Z RWY 10C	ORIG-D	02/01/2018	9W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		26 DECEMBER 2024	ROUTINE			

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DAREC	IAF	NIMMS		TF	FB	1.00	174.73	10.40	5000
FOMSA	IAF	NIMMS		TF	FB	1.00	029.45	9.04	5000
NIMMS	IF	FORMM		TF	FB	1.00	100.77	8.11	3000
FORMM	PFAF	RW10C	MAP	TF	FO	0.30	100.88	5.68	
RW10C	MAP	HAVRU		TF	FB	1.00	100.95	7.73	
HAVRU		JAPAV		TF	FB	1.00	147.00	4.60	
JAPAV		GUZIT		TF	FO	1.00	197.92	9.08	4000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 ON TRACK 100.95 TO HAVRU AND ON TRACK 147.00 TO JAPAV AND ON TRACK 197.92 TO GUZIT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE		OUTBOUND		FT WITHIN		MILES OF		(IAF)		
2. PROFILE STARTS AT NIMMS											
3. FAC: 100.88		PFAF: FORMM				DIST PFAF TO MAP:			DIST PFAF TO THLD:		
4. MIN ALT: NIMMS 5000, FORMM 3000											
5. DIST TO THLD FROM PFAF:		5.68	MM:		IM:		150 HAT:		425 HAT:	1.18	GS ANT:
6. MIN GP INCPT: 3000		GP ALT AT PFAF: FORMM 3000						OM:		MM:	IM:
7. GP ANGLE: 3.00		34:1: IS CLEAR		20:1: IS CLEAR		TCH: 50.0					
8. MSA FROM: RW10C 3100											



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 328.16 INBOUND.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.20 DA	1566	1 1/4	425	1566	1 1/4	425	1566	1 1/4	425	1566	1 1/4	425			
RNP 0.30 DA	1669	1 1/2	528	1669	1 1/2	528	1669	1 1/2	528	1669	1 1/2	528			

CHANGES - REASONS

1. REMOVED RNP 0.11 MINIMUMS. – DOES NOT OFFER A 50 FT HAT REDUCTION IAW 8260.58C 4-1-1 C(2)A.
2. DECREASED RNP 0.20 VISIBILITY ALL CATS FROM 1 1/2 TO 1 1/4; RNP 0.30 VISIBILITY ALL CATS FROM 1 3/4 TO 1 1/2. - IAW 8260.3E TABLE 3-3-1.
3. REMOVED FEEDERS FROM CUTTA AND WISKE. – PER FPT REQUEST; VORMON PROJECT.
4. UPDATED INTERMEDIATE NIMMS – FORMM DISTANCE FROM 8.20 TO 8.11. – PFAF FORMM MOVED TO ACCOMMODATE GPA/TCH 3.00/50.0; TO MATCH RNAV (GPS) Y RWY 10C.
5. UPDATED PFAF FORMM TO RW10C COURSE/DISTANCE FROM 100.87/5.59 TO 100.88/5.68. - PFAF FORMM MOVED TO ACCOMMODATE GPA/TCH 3.00/50.0; TO MATCH RNAV (GPS) Y RWY 10C.
6. UPDATED MISSED APPROACH JAPAV – AGC VOR/DME TO JAPAV – GUZIT; COURSE FROM 197.88 TO 197.92. – VORMON PROJECT; AGC VOR/DME REPLACED WITH FIX GUZIT.
7. UPDATED MISSED APPROACH INSTRUCTIONS FROM “CLIMB TO 4000 ON TRACK 100.95 TO HAVRU AND ON TRACK 147.00 TO JAPAV AND ON TRACK 197.88 TO AGC VOR/DME AND HOLD” TO “CLIMB TO 4000 ON TRACK 100.95 TO HAVRU AND ON TRACK 147.00 TO JAPAV AND ON TRACK 197.92 TO GUZIT AND HOLD.” - VORMON PROJECT; AGC VOR/DME REPLACED WITH FIX GUZIT.
8. LINE 5: ADDED DISTANCE TO THLD FROM PFAF: 425 HAT: 1.18. REMOVED "DISTANCE TO THLD FROM 399 HAT: 1.09 NM" FROM ADDITIONAL FLIGHT DATA. –FORMS UPDATED.
9. LINE 7: ADDED 20:1 IS CLEAR; UPDATED TCH FROM 51.1# TO 50.0. – NO 20:1 PENETREATIONS PRESENT; TCH UPDATED TO MATCH VGSI AND RNAV (GPS) Y RWY 10C, # NOT REQUIRED.
10. ADDED PBN REQUIREMENTS NOTE: RNP AR APCH – GPS. AUTHORIZATION REQUIRED. – IAW 8260.19J 8-6-8.
11. REMOVED CHART NOTE: GPS REQUIRED. – ADDED NEW PBN REQUIREMENT.
12. UPDATED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C (1F) OR ABOVE 46C (116F) UPDATED TO -17F TO 54C. – FAHRENHEIT REMOVED IAW 8260.19J.
13. CHANGED NOTE FROM "SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 10L, ILS RWY 10L (CAT II), ILS RWY 10L (CAT III)" TO "SIMULTANEOUS APPROACH AUTHORIZED" - 8260.19J 8-6-12 O(8)(A).
14. REMOVED CHART NOTE "USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS" - NOT APPLICABLE TO RNP PROCEDURES IAW 8260.19J 8-6-12 O(8)(D).
15. ADDITIONAL FLIGHT DATA: DELETED “ROUTE TYPE QUALIFIER 2: S; ROUTE TYPE: A, H; AND ROUTE TYPE QUALIFIER 1: F.” – NO LONGER A DOCUMENTATION REQUIREMENT.
16. REMOVED ADDITIONAL FLIGHT DATA: #TCH 1192.2 (DO NOT CHART). - NO LONGER A DOCUMENTATION REQUIREMENT.
17. REMOVED CHART FAS OBST: 1319 TREE 402948N/0801623W, 1273 BUILDING 402941N/0801531W, 1319 TREE 402948N/0801623W. – ONLY NON-PRECISION OBSTACLES ARE DOCUMENTED IAW 8260.19J 8-6-11 C.
18. ALTERNATE MINIMUMS ADDED: STANDARD. – PRIMARY AIRPORT HAS SUITABLE WEATHER REPORTING.



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ZOB, PIT APP CON, PIT ATCT, AMGR

FLIGHT CHECKED BY JEREMY R VIRT Digitally signed by JOSEPH L ZEDER Oct 22, 2024	OFFICE AJF DATE 10/17/2024
DEVELOPED BY CASIMIR L. TABAKA (BARBARA GORMAN) Digitally signed by JOSEPH L ZEDER Oct 22, 2024	OFFICE AJV-A432 DATE 05/16/2024
APPROVED BY CASIMIR L. TABAKA Digitally signed by JOSEPH L ZEDER Oct 22, 2024	OFFICE AJV-A430 DATE TITLE MANAGER

