

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 10R	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SUPERSEDED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	1135	RNAV (RNP) Z RWY 10R	ORIG-F	08/10/2023	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

<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>
DAREC	IAF	MUFTI		TF	FB	1.00	175.02	10.58	5000
FOMSA	IAF	MUFTI		TF	FB	1.00	029.86	8.86	5000
MUFTI	IF	STARG		TF	FB	1.00	100.78	7.84	3000
STARG	PFAF	RW10R	MAP	TF	FO	0.30	100.87	5.70	
RW10R	MAP	KADEC		TF	FB	1.00	100.95	7.70	
KADEC		JAPAV		TF	FB	1.00	142.82	4.67	
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 KADEC AND ON TRACK 142.82 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 MUFTI					
3. FAC: 100.87	PFAF: STARG		DIST PFAF TO MAP:	DIST PFAF TO THLD:	
4. MIN ALT: MUFTI 5000, STARG 3000					
5. DIST TO THLD FROM PFAF: 5.70	MM:	IM:	150 HAT:	376 HAT: 1.02	GS ANT:
6. MIN GP INCPT: 3000	GP ALT AT PFAF: STARG 3000		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 50.9		
8. MSA FROM: RW10R 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: FOR INOPERATIVE ALS, INCREASE RNP 0.14 ALL CATS VISIBILITY TO RVR 5500, AND RNP 0.30 ALL CATS VISIBILITY TO 1 5/8 SM.
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 0.14 DA	1511	3500	376	1511	3500	376	1511	3500	376	1511	3500	376			
RNP 0.20 DA	1572	4000	437	1572	4000	437	1572	4000	437	1572	4000	437			
RNP 0.30 DA	1697	1 1/4	562	1697	1 1/4	562	1697	1 1/4	562	1697	1 1/4	562			

CHANGES - REASONS

1. DECREASED RNP 0.14 ALL CATS VISIBILITY FROM RVR 4000 TO 3500; RNP 0.20 ALL CATS VISIBILITY FROM RVR 5000 TO 4000. - 8260.3E TABLE 3-3-1.
2. DECREASED RNP 0.30 DA ALL CATS FROM 1745/610 TO 1697/562; VISIBILITY FROM 1 3/4 TO 1 1/4. – NEW RNP 0.30 FINAL CONTROLLING OBSTACLE.
3. REMOVED FEEDERS FROM CUTTA AND WISKE. – PER FPT REQUEST; VORMON PROJECT.
4. UPDATED INTERMEDIATE MUFTI – STARG DISTANCE FROM 7.93 TO 7.84. – PFAF STARG MOVED TO ACCOMMODATE GPA/THC 3.00/50.9; TO MATCH ILS OR LOC RWY 10R & RNAV (GPS) Y RWY 10R.
5. UPDATED PFAF STARG TO RW10R DISTANCE FROM 5.61 TO 5.70. - PFAF STARG MOVED TO ACCOMMODATE GPA/TCH 3.00/50.0; TO MATCH ILS OR LOC RWY 10R & RNAV (GPS) Y RWY 10R.
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 KADEC AND ON TRACK 142.82 TO JAPAV AND ON TRACK 197.88 TO AGC VOR/DME AND HOLD" TO "CLIMB TO 4000 ON TRACK 100.95 TO KADEC AND ON TRACK 142.82 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 376 HAT: 1.02. REMOVED "DISTANCE TO THLD FROM 376 HAT: 1.02 NM" FROM ADDITIONAL FLIGHT DATA. –FORMS UPDATED.
9. LINE 7: UPDATED 34:1 IS NOT CLEAR TO 34:1 IS CLEAR; ADDED 20:1 IS CLEAR; UPDATED TCH FROM 51.5# TO 50.9. – NO 34:1 OR 20:1 PENETREATIONS PRESENT; TCH UPDATED TO MATCH ILS OR LOC RWY 10R & RNAV (GPS) Y RWY 10R., # NOT REQUIRED.
10. UPDATED PBN REQUIREMENTS NOTE: FROM RNP AR APCH TO RNP AR APCH – GPS. AUTHORIZATION REQUIRED. – IAW 8260.19J 8-6-8.
11. REMOVED CHART NOTE: RWY 10R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. – NO 34:1 PENETRATIONS EXIST.
12. UPDATED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C OR ABOVE 46C UPDATED TO -17F TO 54C. – FAHRENHEIT REMOVED IAW 8260.19J.
13. UPDATED CHART NOTE: FOR INOPERATIVE ALS, FROM "INCREASE RNP 0.14 ALL CATS VISIBILITY TO RVR 6000, RNP 0.20 ALL CATS VISIBILITY TO 1 1/2 SM, RNP 0.30 ALL CATS VISIBILITY TO 2 1/2 SM" TO "INCREASE RNP 0.14 ALL CATS VISIBILITY TO RVR 5500, AND RNP 0.30 ALL CATS VISIBILITY TO 1 5/8 SM." – NEW EVALUATION COMPLETED.
14. 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).
15. 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).
16. ADDITIONAL FLIGHT DATA: DELETED "ROUTE TYPE QUALIFIER 1: F; ROUTE TYPE QUALIFIER 2: S, AND ROUTE TYPE: A, H." – NO LONGER A DOCUMENTATION REQUIREMENT.
17. REMOVED ADDITIONAL FLIGHT DATA: #TCH 1186.3 (DO NOT CHART). - NO LONGER A DOCUMENTATION REQUIREMENT.
18. REMOVED CHART FAS OBST: 1240 LIGHT 402914N/0801554W, 1279 TREE 402852N/0801611W. – ONLY NON-PRECISION OBSTACLES ARE DOCUMENTED IAW 8260.19J 8-6-11 C.
19. REMOVED ALTERNATE MINS - NA WHEN LOCAL WEATHER NOT AVAILABLE. - NO BACK-UP ALTIMETER.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

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

FLIGHT CHECKED BY

JEREMY R VIRTIS

Digitally signed by
JOSEPH L ZEDER
Oct 22, 2024

OFFICE

FPO

DATE

09/05/2024

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by
JOSEPH L ZEDER
Oct 22, 2024

OFFICE

AJV-A432

DATE

06/03/2024

APPROVED BY

CASIMIR L. TABAKA

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JOSEPH L ZEDER
Oct 22, 2024

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DATE

TITLE
MANAGER