

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> KPIT	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 28C	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> PITTSBURGH	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 1203	<u>TDZE</u> 1134	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 28C	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> 08/10/2023	<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>
GRACE		HERDI		TF	FB	1.00	192.68	13.01	4000
HERDI	IAF	PRESY		TF	FB	1.00	222.48	11.38	4000
DIYAC	IAF	PRESY		TF	FB	1.00	307.22	7.92	5000
PRESY	IF	SUPPR	PFAF	TF	FB	1.00	281.15	6.00	3000
SUPPR	PFAF	RW28C	MAP	TF	FO	0.30	281.06	5.70	
RW28C	MAP	EPONE		TF	FB	1.00	281.00	8.10	
EPONE		JAKNO		TF	FB	1.00	250.98	4.00	
JAKNO		HLG VOR/DME		TF	FO	1.00	210.38	13.02	4000

MISSED APPROACH

MAP:
 RNP: DA

MISSED APPROACH INSTRUCTIONS:
 CLIMB TO 4000 ON TRACK 281.00 TO EPONE AND ON TRACK 250.98 TO JAKNO AND ON TRACK 210.38 TO HLG VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT PRESY

3. FAC: 281.06

PFAF: SUPPR

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: PRESY 4000, SUPPR 3000

5. DIST TO THLD FROM PFAF: 5.70

MM:

IM:

150 HAT:

401 HAT: 1.10

GS ANT:

6. MIN GP INCPT: 3000

GP ALT AT PFAF : SUPPR 3000

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 50.0

8. MSA FROM: RW28C 3100

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -18°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 223.00 INBOUND.

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
AUTHORIZATION REQUIRED															
RNP 0.14 DA	1535	6000	401	1535	6000	401	1535	6000	401	1535	6000	401			
RNP 0.30 DA	1583	1 3/8	449	1583	1 3/8	449	1583	1 3/8	449	1583	1 3/8	449			



CHANGES - REASONS

1. DELETED NESTO TO DIYAC (IAF) - PER FPT REQUEST AND VOR MON PROJECT.
2. CHANGED LINE 5: DIST TO THLD FROM OM FROM 5.62 NM TO: DIST TO THLD FROM PFAF 5.70 NM - RELOCATED FINAL APPROACH FIX FOR OPTIMUM VDA.
3. CHANGED DISTANCE FOR SUPPR TO RWY 28C THRESHOLD FROM 5.62 NM TO 5.70 NM - RELOCATED FINAL APPROACH FIX FOR OPTIMUM VDA.
4. CHANGED DISTANCE FOR PRESY TO SUPPR FROM 6.08 NM TO 6.00 NM - RELOCATED FINAL APPROACH FIX FOR OPTIMUM VDA.
5. DELETED FAS OBSTACLE FOR RNP FINAL 0.14 AND 0.16 "1263 TREE 402929N/0801151W AND RNP FINAL 0.30 FROM "1265 TREE 402852N/0801133W - NOT REQUIRED FOR RNP PROCEDURE.
6. CHANGED RNP AR 0.30 FINAL DA/HAT FROM 1576/442 TO 1583/449 - NEW CONTROLLING OBSTACLE AND MISSED APPROACH ADJUSTMENT.
7. DELETED RNP AR 0.16 LINE OF MINIMA - ATC/FPT APPROVED AND IAW 8260.58B 4-1-1.C(2).
8. CHANGED RNP AR 0.14 FINAL DA/HAT FROM 1527/393 TO 1535/401 - NEW CONTROLLING OBSTACLE AND MISSED APPROACH ADJUSTMENT.
9. CHANGED RNP AR 0.30 FINAL VISIBILITY ALL CATS FROM 1 1/2 SM TO 1 3/8 SM - IAW 8260.3 VISIBILITY TABLE.
10. CHANGE NOTE FROM: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS PROCEDURE NA BELOW -17C (1F) OR ABOVE 46C (116F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS PROCEDURE NA BELOW -18°C OR ABOVE 54°C." - IAW 8260.19I NEW FORMAT.
11. DELETE CHART NOTE: GPS REQUIRED - ADDED NEW PBN REQUIREMENT
12. ADDED PBN REQUIREMENTS NOTE RNP AR APCH - GPS - IAW 8260.19I, 8-6-8.
13. DELETED ADDITIONAL FLIGHT DATA NOTES: #TCH 1183.6 MSL (DO NOT CHART), ROUTE TYPE: A, H, ROUTE TYPE QUALIFIER 1: F AND ROUTE TYPE QUALIFIER 2: S. - NO FAAO REQUIRING THE PUBLISHING OF THIS DATA.
14. DELETED CHART NOTE: RWY 28C HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NA - IAW 8260.19I, 8-6-11, (K)(1)(3).
15. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - - IAW 8260.19I, 8-6-9, (M)(1)(3).
16. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4000 ON TRACK 281.06 TO EPONE AND ON TRACK 250.98 TO JAKNO AND ON TRACK 210.38 TO HLG VOR/DME AND HOLD." TO "CLIMB TO 4000 ON TRACK 281.00 TO EPONE AND ON TRACK 250.98 TO JAKNO AND ON TRACK 210.38 TO HLG VOR/DME AND HOLD." - CORRECT COURSE AND PER FPT REQUEST.
17. REMOVED "DISTANCE TO THLD FROM 393 HAT: 1.08 NM" FROM ADDITIONAL FLIGHT DATA AND ADDED "DIST TO THLD FROM 401 HAT: 1.10 NM" TO LINE 5 - IAW 8260.19I 8-6-7.E.
18. DELETED NOTE "USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS" - NOT APPLICABLE TO RNP PROCEDURES IAW 8260.19I 8-6-11.O(8) (D).
19. CHANGED NOTE FROM "SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 28R, ILS RWY 28R (CAT II)" TO "SIMULTANEOUS APPROACH AUTHORIZED" - 8260.19I 8-6-11.O(8)(A).
20. ADDED "20:1 IS CLEAR" IN LINE 7 - 8260.19I 8-6-7.G.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOB, PIT APP CON, AIRPORT MANAGER

FLIGHT CHECKED BY
PENDING

Digitally signed by
JASON KRETSCHMER

OFFICE
DATE

DEVELOPED BY
ANDRE MARSH

Digitally signed by
ANDRE L MARSH

OFFICE
AJV-A421
DATE
05/01/2023

APPROVED BY
MARLON ROBINSON

May 25, 2023
Digitally signed by
JASON KRETSCHMER
Jun 09, 2023

OFFICE
AJV-A420
DATE
TITLE
MANAGER

