

**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.

<b><u>AIRPORT ID</u></b> KPIT	<b><u>PROCEDURE NAME</u></b> RNAV (RNP) Z RWY 32	<b><u>ORIGINAL/AMENDMENT</u></b> 2A	<b><u>CITY</u></b> PITTSBURGH	<b><u>STATE</u></b> PA		
<b><u>AIRPORT ELEVATION</u></b> 1203	<b><u>TDZE</u></b> 1124	<b><u>SUPERSEDED</u></b> RNAV (RNP) Z RWY 32	<b><u>ORIGINAL/AMENDMENT</u></b> 2	<b><u>DATED</u></b> 02/01/2018	<b><u>MAG VAR</u></b> 9W	<b><u>EPOCH YEAR</u></b> 2020
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 15 JUNE 2023	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL/SUSPEND</u></b>		

**TERMINAL ROUTES**    THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 23-13.

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
GRUNZ	IAF	COPKU		TF	FB	1.00	325.56	4.94	5000
COPKU	IF	TRINY	PFAF	TF	FB	1.00	325.52	7.88	2500
TRINY	PFAF	RW32	MAP	TF	FO	0.30	325.44	4.23	
RW32	MAP	JAVET		TF	FB	1.00	325.41	7.59	
JAVET		ASIWU		TF	FB	1.00	354.63	3.45	4000
ASIWU		EWC VOR/DME		TF	FO	1.00	035.15	13.16	4000

**MISSED APPROACH**

**MAP:**  
RNP: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 ON TRACK 325.41 TO JAVET AND TRACK 354.63 TO ASIWU AND TRACK 035.15 TO EWC VOR/DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT                      SIDE OF COURSE                      OUTBOUND                      FT WITHIN                      MILES OF                      (IAF)

2. PROFILE STARTS AT COPKU

3. FAC: 325.44                      PFAF: TRINY                      DIST PFAF TO MAP:                      DIST PFAF TO THLD:

4. MIN ALT:    COPKU 5000, TRINY 2500

5. DIST TO THLD FROM OM: 4.23                      MM:                      IM:                      150 HAT:                      379 HAT: 1.10                      GS ANT:

6. MIN GP INCPT: 2500                      GP ALT AT PFAF : TRINY 2500                      OM:                      MM:                      IM:

7. GP ANGLE: 3.00                      34:1: IS CLEAR                      20:1: IS CLEAR                      TCH: 36.8

8. MSA FROM: RW32 3100

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -18°C (0°F) OR ABOVE 54°C (130°F).  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART AT OR ABOVE 6000 AT GRUNZ.  
HOLD N, RT, 182.00 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 0.30 DA	1503	4000	379	1503	4000	379	1503	4000	379	1503	4000	379			



**CHANGES - REASONS**

1. REMOVED FEEDER NESTO TO GRUNZ - FPT REQUEST; LIA VORMON.
2. PROFILE LINE 4: ADDED "GRUNZ 6000", RAISED COPKU FROM "4000" TO "5000" - FPT REQUEST; MATCH DEMME STAR.
3. ADDITIONAL FLIGHT DATA: ADDED "CHART AT OR ABOVE 6000 AT GRUNZ." - MATCH DEMME STAR
4. MOVED "CHART NOTE: GPS REQUIRED." TO PBN REQUIREMENTS AND UPDATED TO "RNP AR APCH-GPS" - 8260.19I, 8-6-8, B(1).
5. ADDITIONAL FLIGHT DATA: REMOVED "ROUTE TYPE: A, H.", "ROUTE TYPE QUALIFIER 1:F." AND "ROUTE TYPE QUALIFIER 2:S." - NO LONGER REQUIRED
6. PROFILE LINE 5: ADDED "379 HAT: 1.10" - 8260.19I, 8-6-7, E.
7. PROFILE LINE 7: ADDED "20:1 IS CLEAR" - 8260.19I, 8-6-7, G(3)
8. REMOVED "#" FROM PROFILE LINE 7 TCH AND DELETED "#TCH 1151.3 MSL (DO NOT CHART)." - NO LONGER NEEDED.

04/28/23: THIS IS A CORRECTED COPY FOR THE FORM APPROVED ON 04/19/23.

1. REMOVED "GRUNZ 6000" FROM PROFILE LINE 4.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB, PIT APP CON, PIT ATCT, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE****DATE**

*Digitally signed by*

**JASON KRETSCHMER**

May 01, 2023

**DEVELOPED BY**

JASON KRETSCHMER (HENRY A BRADSHAW)

*Digitally signed by*

**JASON KRETSCHMER**

May 01, 2023

**OFFICE**

AJV-A421

**DATE**

02/10/2023

**APPROVED BY**

JASON KRETSCHMER

*Digitally signed by*

**JASON KRETSCHMER**

May 01, 2023

**OFFICE**

AJV-A421

**DATE**

**TITLE**  
MANAGER

