

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) 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> KRDG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> READING	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 343	<u>TDZE</u> 330	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 12W	<u>EPOCH YEAR</u> 2000
<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>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 223/30 CW 043/30	NOPT	MTPEN	IF/IAF	3200
2. 043/30 CW 133/30		043/15 CW 133/15	IAF	4000
3. 043/15 CW 133/15		HEYAL	IAF	3200
4. 133/30 CW 223/30		133/13 CW 223/13	IAF	4100
5. 133/13 CW 223/13		LAXMI	IAF	3200

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LAXMI	IAF	MTPEN	NOPT	TF	FB	1.00	223.46	7.20	3200
HEYAL	IAF	MTPEN	NOPT	TF	FB	1.00	043.36	7.20	3200
MTPEN	IF/IAF	PHLLZ		TF	FB	1.00	313.41	6.00	2200
PHLLZ	FAF	ADEKY/3.70 NM RW31		TF	FB	0.30	313.34	1.37	
ADEKY/3.70 NM RW31		RW31	MAP	TF	FO	0.30	313.34	3.70	
RW31	MAP	743 MSL		CA			313.34		
743 MSL		OUTLT		DF	FO	1.00			3200



MISSED APPROACH

MAP:
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3200 DIRECT OUTLT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD SE MTPEN, RT, 313.41 INBOUND, 3200 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
3. FAF: 313.34FAF: PHLLZDIST FAF TO MAP: 5.07DIST FAF TO THLD: 5.07
4. MIN ALT: MTPEN 3200, PHLLZ 2200, ADEKY/3.70 NM RW31 1720
5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:
6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:
7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: STRAIGHT-IN AND CIRCLING RWY 31 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

PHLZZ TO RW31: 3.40/55.
HOLD NW, RT, 133.10 INBOUND.
CHART FAS OBST: 1351 POLE (42-135778) 402055N/0755406W.

MINIMUMS:

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

ALTERNATE: NA ☐ NA WHEN LOCAL WEATHER NOT AVAILABLE.; CAT A, B 1300-2, CAT C 1300-3, CAT D 1400-3

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
LNAV MDA	1620	1 1/4	1290	1620	1 1/2	1290	1620	3	1290	1620	3	1290			
CIRCLING	1620	1 1/4	1277	1620	1 1/2	1277	1620	3	1277	1660	3	1317			



CHANGES - REASONS

04/12/23: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/24/23.
1. ALTITUDE AT PHILZ CHANGED FROM 2000 TO 2200.

06/14/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/12/23
CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 8/10/23 HARD DATE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒

OTHER: ZNY, RDG APPCH CTL, RDD ATCT, MDT APCH CTL

Digitally signed by

FLIGHT CHECKED BY

PENDING

Digitally signed by

DAVID TEFFETELLER

Jun 14, 2023

DAVID TEFFETELLER

Jun 14, 2023

OFFICE

FIOG

DATE

DEVELOPED BY

FRANK MOORE

OFFICE

AJV-A433

DATE

01/17/2023

APPROVED BY

JOHNNIE BAKER

Digitally signed by

DAVID TEFFETELLER

Jun 14, 2023

OFFICE

AJV-A430

DATE

TITLE
MANAGER