

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
ETX VOR/DME	GEFWI (FB)	277.99 / 20.88	4000	LPV: DA LNAV/VNAV: DA LNAV: RW13	
GEFWI (IAF)	OUTLT (NOPT) (FB)	223.16 / 5.00	3200	CLIMB TO 3000 DIRECT UROUT AND VIA 120.18 TRACK TO HOUTN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.	
HWANG (IAF)	OUTLT (NOPT) (FB)	065.68 / 7.63	3200		
OUTLT (IF/IAF)	BRAGG (FB)	133.10 / 3.63	2900		
BRAGG	PGODA (FB)	133.16 / 2.74	2100		
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 120.18 INBOUND. CHART FAS OBST: 768 TREE 402421N/0760036W CHART 1028 TREE 402712N/0760346W DISTANCE TO THLD FROM 460 HAT: 1.31 NM. CHART VDP AT 1.96 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 45712 REFERENCE PATH ID: W13A	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW OUTLT, RT, 133.10 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 133.20 FAF: PGODA DIST FAF TO MAP: 5.30 THLD: 5.30
4. MIN. ALT: OUTLT 3200, BRAGG 2900, PGODA 2100
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2100 GS ALT AT: PGODA 2100 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 44.7 34:1 IS NOT CLEAR
8. MSA FROM: RW13 3400

MAG VAR: 12W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
CATEGORY >>>>>>	A			B			C			D			E				
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	804	1 3/4	460	804	1 3/4	460	804	1 3/4	460	804	1 3/4	460					
LNAV/VNAV DA	1156	2	812	1156	2	812	1156	2 1/2	812	1156	2 3/4	812					
LNAV MDA	1020	1	676	1020	1	676	1020	2	676	1020	2 1/4	676					
CIRCLING	1020	1	676	1020	1	676	1020	2	676	1120	2 1/2	776					

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (115F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW AND PROFILE NOTE: FOR LNAV/VNAV FLY VISUAL TO AIRPORT, 133 DEGREES - 2.4 MILES.
 SEE 8260-10

@ CAT D 800-2 1/2
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE READING, PA	ELEVATION: 344 TDZE: 344 AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED
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NOTES CONT.

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT OUTLT ON V-276 SOUTHEAST BOUND.

CHART NOTE: VDP NA WHEN USING HARRISBURG INTL ALTIMETER SETTING.

CHART NOTE: LNAV/VNAV NA WHEN USING HARRISBURG ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT HWANG VIA V-162 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ETX VOR/DME AIRWAY RADIALS 234 CW 324.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE LPV DA TO 897 FEET AND VISIBILITY 1/4 MILE ALL CATS. INCREASE ALL MDA 100 FEET AND LNAV CATS B,C, AND D VISIBILITY 1/4 MILE, CIRCLING CATS B, C, AND D VISIBILITY 1/4 MILE.

CITY AND STATE

READING, PA

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRDG
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	402300.8600N
LTP/FTP LONGITUDE	0755841.1700W
LTP/FTP ELLIPSOIDAL HEIGHT	+00697
FPAP LATITUDE	402228.2900N
FPAP LONGITUDE	0755731.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00044.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER B6EAE3BF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01047
FPAP ORTHOMETRIC HEIGHT	+01047

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RUNWAY 1 2 3 4 5 6 7 8 9 0 1 2 3
 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KRDGK6GRW13 0063501333 N40230086W075584117-0200 +0069700344000045150I

PP 1 2 3 4 5 6 7 8 9 0 1 2 3
 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KRDGK6PR13 RW13 001 0000W13A0N4023008600W07558411700+006970300N4022282900W0755731040010650000000447F400500B6EAE3BF
 SUSAP KRDGK6PR13 RW13 002E +01047+01047LPV 45712 000

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3
 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KRDGK6SRW13 K6PG 0 18018003425 M

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ETX	ETX	010		IF		FB				
	ETX	GEFWI	020	IAF	TF		FB	2.0	278.0 (266T)	020.9	04000
	ETX	OUTLT	030		TF		FB	1.0	223.2 (211T)	005.0	03200
	HWANG	HWANG	010	IAF	IF		FB				
	HWANG	OUTLT	020		TF		FB	1.0	065.7 (054T)	007.6	03200
	OUTLT	OUTLT	010		HF	R	FB		133.1 (121T)	004.0	03200
		OUTLT	010	FACF	IF		FB				03200
		BRAGG	011	SDF	TF		FB	0.5	133.1 (121T)	003.6	02900
		PGODA	020	FAF	TF		FB	0.5	133.2 (121T)	002.7	02100
		RW13	030	MAP	TF		FO	0.3	133.2 (121T)	005.3	00389

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	UROUT	040		DF		FB				
	HOUTN	050		TF		FO		120.2 (108T)		03000
	HOUTN	060		HM	R	FO	2.0	120.2 (108T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ETX	N403451.54	W0754102.28	N4034.859	W07541.038
	BRAGG	N402711.05	W0760741.43	N4027.184	W07607.691
	GEFWI	N403320.62	W0760822.22	N4033.344	W07608.370
	HOUTN	N402015.68	W0754938.42	N4020.261	W07549.640
	HWANG	N402432.60	W0761949.08	N4024.543	W07619.818
	OUTLT	N402903.67	W0761145.64	N4029.061	W07611.761
	PGODA	N402545.76	W0760436.96	N4025.763	W07604.616
	UROUT	N402158.52	W0755626.97	N4021.975	W07556.450
	RW13	N402300.86	W0755841.17	N4023.014	W07558.686

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00344	45

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