

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR 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	LPV: DA LNAV/VNAV: DA LNAV: RW12 CLIMB TO 4500 DIRECT UTMİY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 301.35 INBOUND. CHART FAS OBST: 2277 GRD 440323N/1013647W FAS OBST: 2419 TREE 440402N/1013709W 2633 AAO 440519.33N/1014226.23W DISTANCE TO THLD FROM 258 HATH: 0.68 NM. WAAS CHANNEL # 78434 REFERENCE PATH ID: W12A CHART CIRCLING ICON LTP HAE: 652 M								
CUSED (IF/IAF)	ZULOK (FB)	121.04 / 7.00	3800									
ZULOK (FAF)	IYBUC/2.60 NM TO RW12 (FB)	121.13 / 2.27										
IYBUC/2.60 NM TO RW12	RW12 (MAP) (FO)	121.13 / 2.60										
RW12 (MAP)	2467 MSL	121.13	4500									
2467 MSL	UTMIY (FO)											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW CUSED, RT, 121.04 INBOUND, 4500 FT. IN LIEU OF PT (IAF) 3. FAC: 121.13 FAF: ZULOK _____ DIST FAF TO MAP: 4.87 THLD: 4.87 4. MIN. ALT: CUSED 4500, ZULOK 3800, IYBUC/2.60 NM TO RW12 3060* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3800 GS ALT AT: ZULOK 3800 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 7E EPOCH YEAR: 2015								
MINIMUMS												
TAKEOFF: 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
LPV DA	2467	1	258	2467	1	258	2467	1	258	NA		
LNAV/VNAV DA	2742	1 7/8	533	2742	1 7/8	533	2742	1 7/8	533	NA		
LNAV MDA	2680	1	471	2680	1	471	2680	1 3/8	471	NA		
CIRCLING	2720	1	511	2760	1	551	2840	1 3/4	631	NA		
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PIERRE ALTIMETER SETTING AND INCREASE ALL DA 204 FT AND MDA 220 FT AND INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 5/8 MILE, (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 2209 THRE: 2209		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
PHILIP, SD		AIRPORT NAME: PHILIP				RNAV (GPS) RWY 12, ORIG 6 FEBRUARY 2014			AMDT: NONE			
									DATED			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

INCREASE LNAV CAT C VISIBILITY 1/2 MILE, AND INCREASE CIRCLING CAT C VISIBILITY 3/4 MILE.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED

CHART NOTE: PROCEDURE NA AT NIGHT

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F)

CHART NOTE: BARO VNAV NA WHEN USING PIERRE ALTIMETER SETTING

*LNAV ONLY

TAA	FROM	TO	ALT
1.	031/30 CW 211/30 (NOPT)	031/15 CW 211/15	4800
2.	031/15 CW 211/15	CUSED (IF/IAF) (FB)	4500
3.	211/30 CW 031/30	211/15 CW 031/15	4800
4.	211/15 CW 031/15	CUSED (IF/IAF) (FO)	4500

CITY AND STATE

PHILIP, SD

ELEVATION: 2209

THRE: 2209

AIRPORT NAME:

PHILIP

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG

6 FEBRUARY 2014

SUP:

AMDT: NONE

DATED:

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KPHP
RUNWAY RW12
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W12A
LTP/FTP LATITUDE 440304.6365N
LTP/FTP LONGITUDE 1013620.9325W
LTP/FTP ELLIPSOIDAL HEIGHT +06520
FPAP LATITUDE 440209.5345N
FPAP LONGITUDE 1013443.8530W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1536
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

29261B42

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +06733
FPAP ORTHOMETRIC HEIGHT +06733

CITY AND STATE

PHILIP, SD

ELEVATION: 2209

THRE: 2209

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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPHPK3FR12	ACUSED	010CUSEDK3EA0EE	AR	HF			12100050	+	04500	18000		A	JS
SUSAP KPHPK3FR12	R	010CUSEDK3EA0E	I	IF				+	04500	18000		A	JS
SUSAP KPHPK3FR12	R	020ZULOKK3EA1E	F	051TF			12100070	+	03800			A	JS
SUSAP KPHPK3FR12	R	020ZULOKK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KPHPK3FR12	R	021IYBUCK3EA0E	S	031TF			12110023	V	0306003077	-300		A	JS
SUSAP KPHPK3FR12	R	030RW12 K3PGOGY	M	031TF			12110026		02249	-300		A	JS
SUSAP KPHPK3FR12	R	040	0	M	CA		1211	+	02467			A	JS
SUSAP KPHPK3FR12	R	050UTMIYK3EA0EY		DF				+	04500			A	JS
SUSAP KPHPK3FR12	R	060UTMIYK3EA0EE	R	HM			30140050	+	04500			A	JS

[illegible][illegible]

QUALITY
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SERVICE

CITY AND STATE PHILIP, SD	ELEVATION: 2209	THRE: 2209	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	PHILIP	RNAV	RNAV (GPS) RWY 12, ORIG	AMDT: NONE
				6 FEBRUARY 2014	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CUSED	CUSED	010	IAF	HF	R	FO		121.0 (128.0T)	005.0	AA 04500	
		CUSED	010	FACF	IF		FB				AA 04500	
		ZULOK	020	FAF	TF		FB	0.5	121.0 (128.0T)	007.0	AA 03800	
		IYBUC	021	SDF	TF		FB	0.3	121.1 (128.1T)	002.3	AA 03060	GS 03077
		RW12	030	MAP	TF		FO	0.3	121.1 (128.1T)	002.6	AT 02249	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		121.1 (128.1T)		AA 02467	
	UTMIY	050		DF		FO				AA 04500	
	UTMIY	060		HM	R	FO		301.4 (308.4T)	005.0	AA 04500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUSED	N441024.25	W1014918.71	N4410.404	W10149.312
	IYBUC	N440441.05	W1013911.02	N4404.684	W10139.184
	UTMIY	N435517.17	W1012240.28	N4355.286	W10122.671
	ZULOK	N440605.19	W1014139.67	N4406.087	W10141.661
	RW12	N440304.64	W1013620.93	N4403.077	W10136.349

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12	02209	40

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CHECK

CITY AND STATE PHILIP, SD	ELEVATION: 2209	THRE: 2209	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
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