

### DEPARTURE PROCEDURE DESCRIPTION

ALL AIRCRAFT: Departure climb rate 470 ft/NM to 5 000 ft.

TAKE-OFF RWY 06L/R: Climb HDG  $064^{\circ}$  or Climb on assigned HDG by ATC......

TAKE-OFF RWY 24L/R: At least 35 ft AGL over DER, Climb HDG 244° or Climb on assigned HDG by ATC......

.......Expect radar vector to intercept filed En-route fix or as assigned route by ATC. Maintain 5 400 ft or assigned altitude(flight level).

Expect filed altitude/flight level 10 minutes after departure.

LOST COMMUNICATIONS: If radio contact is not established with departure control prior to reaching 5 000 ft, continue climb to 8 400 ft before turning to filed fix/Navaid and proceed filed route and altitude.

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STANDARD DEPARTURE CHART INSTRUMENT(SID)

TRANSITION ALT 14 000 TRANSITION LVL FL 140 SACHEON DEP 135.4 347.3 SACHEON TWR 118.675 236.6 SACHEON/Sacheon(RKPS) RWY 06L/R RNAV VONDU 1

Note: Departure under U.S. TERPS. **ELEV, ALT IN FEET** RADAR Required. **MASTA** DIST IN NM North 8 000 **BRG ARE MAG MOA 27S** TOP ALTITUDE: 8 000 ft VAR 8° W FL 400 10 000 AGL **MOA 27A** 9 000 AMSL 3 000 AGL 8400 ૢઌૼ PS061 MSA 25 NM PS062 SACHEON ARP 1.6 VONDU 3.0 (MAX 210 kt IAS) 258 17.9 **ANUBA** 102° CAUTION: 3 011 ft OBST located SARAM 8 000 12 NM SW of Sacheon. 8 000 **BOTRU** 3 0 1 1 2 6304 32 618 1 654, 1 510 TAKE-OFF OBSTACLE RWY 06L: Golf Club Hill 2 631 ft from DER, 20 ft left of centerline, 65 ft AGL/84 ft MSL. RWY 06R: Golf Club Hill 2 131 ft from DER, 770 ft left of centerline, 60 ft AGL/84 ft MSL. NOTE PS151 1. RNAV 1 operation. 2. GNSS required. 3. DME/DME/IRU N/A. 4. Do not exceed 210 kt IAS until VONDU. 5. Minimum climb of 360 ft/NM to 8 000 ft. **DEPARTURE ROUTE DESCRIPTION** MOA 26H PS152 TAKE-OFF RWY 06L: FL 400 Climb course 064° to VONDU thence,...... 10 000 AMSL TAKE-OFF RWY 06R: Climb course 063° to VONDU thence,...... MOA 26L ...... Climb to 8 000 ft via the following transition routes. 9 000 AMSL 3 000 AGL ANUBA Transition: From VONDU on track 334° to PS061 and track 258° to PS062 and track 258° to ANUBA. MASTA Transition: From VONDU on track 052° to MASTA. SARAM Transition: From VONDU on track 102° to SARAM. GOSBO Transition: From VONDU on track 153° to BOTRU and track 209° to PS151 and track 218° to PS152 and track 218° to GOSBO. **POVOR** POVOR Transition: From VONDU on track 153° to BOTRU GOSBO 8 000 and track 209° to PS151 and track 218° to PS152 and 8 000 track 224° to POVOR. **NOT TO SCALE** 

# SACHEON/Sacheon(RKPS) RWY 06L/R **RNAV VONDU 1**

### **AERONAUTICAL DATA TABULATION**

# Standard Instrument Departure Procedure Coding Tables

Transition
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RNAV /
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'n	Waypoint Identifier	Fly- over	Serial Path Waypoint $Hy$ - Course/Track Distance Turn Altitude Speed Number Descriptor Identifier over ${}^{\circ}M({}^{\circ})$ (NM) direction (ff) (kf)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	VPA/ Navigation RDH specification	Remarks
	CF VONDU		06L-064 (055.6) 06L-5.0 06R-063 (054.2) 06R-4.9	06L-5.0 06R-4.9	-	1	-210	35°08'36.0"N 128°09'56.1"E	ı	RNAV 1	-
TF	PS061	ı	334 (325.6) 9.4	9.4		ı	ı	35°16'22.2"N 128°03'27.3"E	-	RNAV 1	ı
Ľ	PS062	ı	258 (249.7) 11.6	11.6	ı	ı	,	35°12'19.4"N 127°50'11.6"E	ı	RNAV 1	1
ΤF	ANUBA		258 (249.5) 13.0	13.0	1	+8 000	1	35°07'45.9"N 127°35'22.8"E	-	RNAV 1	ı

RNAV VONDU 1 - MASTA Transition

Remarks	ı	ı
VPA/ Navigation RDH specification	RNAV 1	RNAV 1
VPA/ RDH	ı	ı
Coordinates	35°08'36.0"N 128°09'56.1"E	35°28'47.0"N 128°33'39.6"E
Speed (kt)	-210	ı
Altitude (ft)		+8 000
Turn direction	ı	
Distance (NM)	06L-5.0 06R-4.9	28
Course/Track Di ^M(°T) (	06L-064 (055.6) 06R-063 (054.2)	052 (043.8)
Fly- over		
Waypoint Fly- Course/T	NONDO	MASTA
Path Descripto	GF	ŦĪ
Serial Number	100	002

RNAV VOI	NAV VONDU 1 - SARAM Transition	RAM Transi	ition									
Serial Number	Serial Path Waypoint Fly- Course Number Descriptor Identifier over M	Waypoint Identifier	Fly- over	Cour	Distance (NM)	se/Track Distance Turn Altitude Speed (#1) (II) (II) (II)	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	VPA/ Navigation RDH specification	Remarks
100	CF	NONDN	į	061-064 (055.6) 061-5.0 06R-063 (054.2) 06R-4.9	06L-5.0 06R-4.9	1	ı	-210	35°08'36.0"N 128°09'56.1"E	1	RNAV 1	ı
002	Ħ	T SARAM	i	102 (093.1)	17.9	ı	+8 000	ı	35°07'36.3"N 128°31'46.7"E	1	RNAV 1	ı

# SACHEON(RKPS) RWY 06L/R **RNAV VONDU 1**

### **AERONAUTICAL DATA TABULATION**

# Standard Instrument Departure Procedure Coding Tables

Rema	1	ı	1	ı	1
VPA/ Navigation RDH specification	RNAV 1	RNAV 1	RNAV 1	RNAV 1	RNAV 1
VPA/ RDH	-	ı	1	1	ı
Coordinates	35°08'36.0"N 128°09'56.1"E	35°01'41.4"N 128°15'59.4"E	34°44'58.0"N 128°08'12.5"E	34°35'21.8"N 128°01'30.1"E	34°15'16.8"N 127°47'34.4"E
Speed (kt)	-210	1		-	1
Altitude (ff)	-	ı	1	ı	+8 000
Turn	-	ı	1	ı	1
Distance (NM)	06L-5.0 06R-4.9	8.5	17.9	1.11	23.1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	06L-064 (055.6) 06L-5.0 06R-063 (054.2) 06R-4.9	- 153 (144.2) 8.5	. 209 (201.0) 17.9	- 218 (210.0) 11.1	- 218 (209.9) 23.1
Fly- over		ı	ı	1	
Waypoint Identifier	NONDA	BOTRU	PS151	PS152	GOSBO
Serial Path Wayp Number Descriptor Identii	G	Ħ	¥	±	ī
Serial Number	100	005	003	004	900

Serial Path Washaint Fly. Course/Track Distanc	Waxnoint Elv. Course/Track Distance	Fly- Course/Track Distanc	Course/Track Distanc	Diston	٥	T	Altition	Spead		VPA/	Navigation	
Variety over $ V ^2$ (NM) direction (ff) (kt)	Identifier over "M(T) (NM) dir	over %(°T) (NM) dir	%(°T) (NM) dir	(NM) dir	di	ection	Allinge (ft)	opeed (kt)	Coordinates	RDH RDH	RDH specification	Remarks
CF VONDU - 061-064 (055.6) 061-5.0 06R-04.9	VONDU - 06R-063	06L-064 06R-063	06L-064 (055.6) 06L-5.0 06R-063 (054.2) 06R-4.9	06L-5.0 06R-4.9			ı	-210	35°08'36.0"N 128°09'56.1"E	,	RNAV 1	1
TF BOTRU - 153 (144.2) 8.5	- 153 (144.2)	144.2)	144.2)				ı	ı	35°01'41.4"N 128°15'59.4"E	1	RNAV 1	ı
TF PS151 209 (201.0) 17.9	- 209 (			6.71	·		•	-	34°44'58.0"N 128°08'12.5"E	ı	RNAV 1	1
TF PS152 - 218 (210.0) 11.1	- 218 (210.0)	(210.0)	(210.0)	1.11			-	•	34°35'21.8"N 128°01'30.1"E	1	RNAV 1	•
005 TF POVOR - 224 (216.0) 24.7	POVOR - 224 (	- 224 (		24.7		1	+8 000	ı	34°15'20.0"N 127°44'00.0" E	ı	RNAV 1	ı

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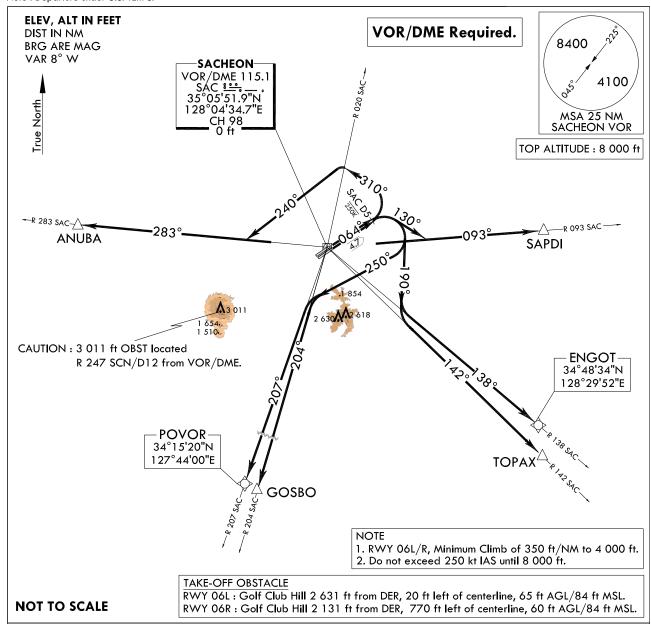
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STANDARD DEPARTURE CHART - INSTRUMENT(SID)

TRANSITION ALT 14 000 TRANSITION LVL FL 140 SACHEON DEP 135.4 347.3 SACHEON TWR 118.675 236.6 SACHEON/Sacheon(RKPS) RWY 06L/R SACHEON 1

Note : Departure under U.S. TERPS.



### **DEPARTURE ROUTE DESCRIPTION**

 $\frac{\text{TAKE-OFF RWY 06L/R}}{\text{Climb HDG 064}^{\circ}}: \text{Climb HDG 064}^{\circ} \text{ to SAC D5 thence,......}}{\text{Climb to 8 000 ft via the following transition routes.}}$ 

ANUBA Transition : Left turn HDG 310 $^{\circ}$  to cross R 020 SAC and left turn HDG 240 $^{\circ}$ 

to R 283 SAC and R 283 SAC to ANUBA.

SAPDI Transition: Right turn HDG 130° to intercept R 093 SAC and R 093 SAC to SAPDI.

TOPAX Transition: Right turn HDG 190° to intercept R 142 SAC and R 142 SAC to TOPAX.

GOSBO Transition: Right turn HDG 250° to intercept R 204 SAC and R 204 SAC to GOSBO.

ENGOT Transition: Right turn HDG 190° to intercept R 138 SAC and R 138 SAC to ENGOT.

POVOR Transition: Right turn HDG 250° to intercept R 207 SAC and R 207 SAC to POVOR.

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STANDARD DEPARTURE **CHART INSTRUMENT(SID)** 

TRANSITION ALT 14 000 TRANSITION LVL FL 140 SACHEON DEP 135.4 347.3 SACHEON TWR 118.675 SACHEON/Sacheon(RKPS) RWY 24L/R RNAV AKLOG 1

236.6 Note: Departure under U.S. TERPS. **MASTA ELEV, ALT IN FEET** RADAR Required. 8 000 DIST IN NM North **MOA 27S BRG ARE MAG** TOP ALTITUDE: 8 000 ft MASTA I Transition FL 400 VAR 8° W 11 000 AGL **MOA 27A** 8000 9 000 AMSL 8400 3 000 AGL 6 PS242 MSA 25 NM SACHEON ARP 8 000 PS2412 PS244 (MAX 210 kt IAS) 6 000 **ANUBA** 8 000 SARAM CAUTION: 3 011 ft OBST located 8 000 07 Å 12 NM SW of Sacheon. 6000 301 **BOTRU** (b) 1 654 obÂ 1 510 AKLOG PS243 (MAX 210 kt IAS) 6 000 (MAX 210 kt IAS) TAKE-OFF OBSTACLE RWY 24L: 3 728 ft from DER, 1 207 ft right of centerline, 58 ft AGL/74 ft MSL. RWY 24R: 3 228 ft from DER, 459 ft right of centerline, 59 ft AGL/74 ft MSL. DEPARTURE ROUTE DESCRIPTION PS151 NOTE TAKE-OFF RWY 24L: 1. RNAV 1 operation. Climb course 244° to AKLOG thence,...... 2. GNSS required. TAKE-OFF RWY 24R: 3. DME/DME/IRU N/A. 4. Do not exceed 210 kt IAS until PS241, PS243. Climb course 243° to AKLOG thence,.... 5. RWY 24R: Minimum climb of 480 ft/NM to 8 000 ft ....... Climb to 8 000 ft via the following transition routes. with take-off must occur no later than 1 100 ft prior to DER. 6. RWY 24L: Minimum climb of 480 ft/NM to 8 000 ft. ANUBA Transition: From AKLOG on track 333° to PS241 7. RWY 24R, at least 35 ft AGL over DER. and track 274° to ANUBA. MASTA 1 Transition: From AKLOG on track 333° to PS152 PS241 and track  $055^{\circ}$  to PS242 at or above 8 000 ft. **MOA 26H** 6 000 then track 070° to MASTA. FL 400 MASTA 2 Transition: From AKLOG on track 154° to 10 000 AMSL PS243 at or above 6 000 ft, then track 064° to BOTRU MOA 26L and track  $037^{\circ}$  to PS244 and track  $037^{\circ}$  to MASTA. 9 000 AMSL SARAM Transition : From AKLOG on track 154° to PS243 3 000 AGL at or above 6 000 ft, then track  $064^{\circ}$  to BOTRU and track 074° to SARAM. GOSBO Transition: From AKLOG on track 154° to

GOSBO

8 000

**POVOR** 

8 000

**NOT TO SCALE** 

PS243 at or above 6 000 ft, then track  $171^{\circ}$  to PS151 and track  $218^{\circ}$  to PS152 and track  $218^{\circ}$  to GOSBO.

POVOR Transition : From AKLOG on track  $154^{\circ}$  to PS243

at or above 6 000 ft, then track  $171^{\circ}$  to PS151 and track

 $218^{\circ}$  to PS152 and track  $224^{\circ}$  to POVOR.

### SACHEON/Sacheon(RKPS) RWY 24L/R RNAV AKLOG 1

### **AERONAUTICAL DATA TABULATION**

Standard Instrument Departure Procedure Coding Tables

RNAV AKLOG 1 - ANUBA Transition

Remarks	-	1	1
VPA/ Navigation RDH specification	RNAV 1	RNAV 1	RNAV 1
VPA/ RDH	-	=	-
Coordinates	35°02'02.7"N 127°58'33.4"E	35°08'46.7"N 127°52'37.2"E	35°07'45.9"N 127°35'22.8"E
Speed (kt)	- 210	-210	ı
Altitude (ft)	-	ı	+8 000
rack Distance Turn Altitude Speed (kt)	-	1	ı
Distance (NM)	24L-5.0 24R-4.9	8.3	14.2
Course/Track ^M(°T)	24L-244 (235.6) 24L-5.0 24R-243 (234.2) 24R-4.9	333 (324.1)	274 (266.0)
Fly- over	1	i	
Waypoint Identifier	AKLOG	PS241	ANUBA
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	J)	11	11
Serial Number	100	005	003

RNAV AKLOG 1 - MASTA 1 Transition

	Remarks	•	•	1	ı
aci+opiyoN	RDH specification	RNAV 1	RNAV 1	RNAV 1	RNAV 1
/ VDA /	RDH	-		ı	ı
	Coordinates	35°02'02.7"N 127°58'33.4"E	35°08'46.7"N 127°52'37.2"E	35°13'34.8"N 127°58'53.5"E	35°28'47.0"N 128°33'39.6"E
Speed	(kt)	- 210	- 210		
A Hitude	( <del>L</del> )	•	ı	+8 000	+8 000
Time	direction	1	ı	,	,
Distance	(NM)	24L-5.0 24R-4.9	8.3	7.0	32.2
Course/Track	Number Descriptor Identifier over $^{\circ}M(^{\circ}T)$ (NM) direction (ft) (kt)	24L-244 (235.6) 24L-5.0 24R-243 (234.2) 24R-4.9	333 (324.1)	055 (047.0) 7.0	070 (061.7)
2	over				
taioaxio/M	Identifier	AKIOG	PS241	PS242	MASTA
Serial Path Wavacint Elv.	Descriptor	J)	业	11	11
Sprig	Number	100	005	003	004

RNAV AKLOG 1 - MASTA 2 Transition

Remarks	ı	ı	ı	ı	ı
VPA/ Navigation RDH specification	RNAV 1	RNAV 1	RNAV 1	RNAV 1	RNAV 1
VPA/ RDH	-		ı	-	1
Coordinates	35°02'02.7"N 127°58'33.4"E	34°55'11.1"N 128°04'16.1"E	35°01'41.4"N 128°15'59.4"E	35°13'58.0"N 128°23'58.2"E	35°28'47.0"N 128°33'39.6"E
Speed (kt)	- 210	+6 000 - 210	-	1	
Altitude (ft)	ı	000 9+	000 9+	000 9+	+8 000
$^{\sqrt{1}}$ rack Distance $^{(1)}$ Distance $^{(2)}$ Direction $^{(4)}$ $^{(4)}$ $^{(4)}$	-	ı	1	-	1
Distance (NM)	24L-5.0 24R-4.9	8.3	11.6	13.9	16.8
Course/Track °M(°T)	24L-244 (235.6) 24L-5.0 24R-243 (234.2) 24R-4.9	- 154 (145.5)	- 064 (056.0) 11.6	- 037 (028.1) 13.9	- 037 (028.1) 16.8
Fly- over	1	ı	ı	1	ı
Serial Path Waypoint Fly- Course, Number Descriptor Identifier over M(	AKLOG	PS243	BOTRU	PS244	MASTA
Path Descriptor	JD CF	¥	¥	1L	ΤF
Serial Number	100	005	003	004	900

### SACHEON/Sacheon(RKPS) RWY 24L/R RNAV AKLOG 1

### **AERONAUTICAL DATA TABULATION**

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	Remarks	•	•	•	1
	VPA/ Navigation RDH specification	RNAV 1	RNAV 1	RNAV 1	RNAV 1
	VPA/ RDH	ı	ı	ı	
	Coordinates	35°02'02.7"N 127°58'33.4"E	34°55'11.1"N 128°04'16.1"E	35°01'41.4"N 128°15'59.4 E	35°07'36.3"N 128°31'46.7"E
	Speed (kt)	- 210	+6 000 - 210	1	-
	Altitude (ft)	-	000 9+	000 9+	000 8+
	Turn direction	-	1	-	
	Distance (NM)	24L-5.0 24R-4.9	8.3	11.6	14.2
	$y_{-}$ Course/Track Distance Turn Altitude Speed ver $^{\circ}$ $^{$	24L-244 (235.6) 24L-5.0 24R-243 (234.2) 24R-4.9	154 (145.5) 8.3	064 (056.0)	074 (065.4)
io	Fly- over		-	-	
RAM Transit	Waypoint Identifier	AKLOG	PS243	BOTRU	SARAM
RNAV AKLOG 1 - SARAM Transition	Serial Path Waypoint Fly- C Number Descriptor Identifier over	CF	11	11	TF.
RNAV AKL	Serial Number	100	005	003	004

KNAV AK	KNAV AKLOG I - GOSBO Iransition	USBO Irans	Hon									
Serial Number	Path Descriptor	Waypoint Identifier	Fly- over	Serial Path Waypoint Fly- Course/Track Distance Turn Altitude Speed Number Descriptor Identifier over "M("1) (INM) direction (ff) (kt)	Distance (NM)	Turn	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	VPA/ Navigation RDH specification	Remarks
001	CF	AKLOG		24L-244 (235.6) 24L-5.0 24R-243 (234.2) 24R-4.9	24L-5.0 24R-4.9		1	- 210	35°02'02.7"N 127°58'33.4"E	-	RNAV 1	•
005	Ŧ	PS243		154 (145.5)	8.3	ı	+6 000 - 210	- 210	34°55'11.1"N 128°04'16.1"E	-	RNAV 1	1
003	Ŧ	PS151	ı	171 (162.3)	10.7		000 9+	ı	34°44'58.0"N 128°08'12.5"E	1	RNAV 1	1
004	Ŧ	PS152	ı	218 (210.0)	11.1	•	000 9+	ı	34°35'21.8"N 128°01'30.1"E	-	RNAV 1	•
900	TF	GOSBO	ı	218 (209.9)	23.1	ı	+8 000	1	34°15'16.8"N 127°47'34.4"E	-	RNAV 1	•

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	Remarks	•	ı	ı	1	ı
KNAV AKLOG I - POVOK Iransinion	VPA/ Navigation RDH specification	RNAV 1	RNAV 1	RNAV 1	RNAV 1	RNAV 1
	VPA/ RDH	-	-	,	Ţ	ı
	Coordinates	35°02'02.7"N 127°58'33.4"E	34°55'11.1"N 128°04'16.1"E	34°44'58.0"N 128°08'12.5"E	34°35'21.8"N 128°01'30.1"E	34°15'20.0"N 127°44'00.0"E
	Speed (kt)	- 210	+6 000 - 210	ı	ı	1
	Altitude (ft)	-	000 9+	000 9+	000 9+	+8 000
	Turn Altitude Speed direction (ft) (kt)	=	1	1	-	-
	/Track Distance T) (NM)	24L-5.0 24R-4.9	8.3	10.7	11.1	16.0) 24.7
	Course/Track °M(°T)	24L-244 (235.6) 24L-5.0 24R-243 (234.2) 24R-4.9	154 (145.5)	PS151 - 171 (162.3) 10.7	218 (210.0)	- 224 (216.0)
	Fly- over	•	1	1	-	
	Serial Path Waypoint Fly- Course/ Number Descriptor Identifier over °M(°	AKLOG	PS243	PS151	PS152	POVOR
	Path Descriptor	£D.	ΤF	TF	1L	TF
KINAY ANL	Serial Number	100	005	003	004	005

Change : New procedure.

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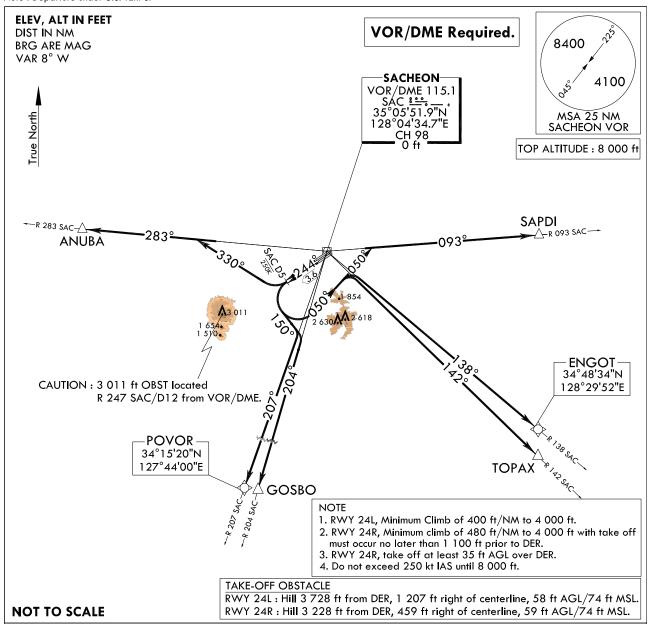
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STANDARD DEPARTURE CHART - INSTRUMENT(SID)

TRANSITION ALT 14 000 TRANSITION LVL FL 140 SACHEON DEP 135.4 347.3 SACHEON TWR 118.675 236.6 SACHEON/Sacheon(RKPS) RWY 24L/R SACHEON 2

Note : Departure under U.S. TERPS.



### **DEPARTURE ROUTE DESCRIPTION**

 $\frac{\text{TAKE-OFF RWY 24L/R}}{\text{Climb HDG 244}^{\circ}} : \text{Climb HDG 244}^{\circ} \text{ to SAC D5 thence,......}}{\text{Climb to 8 000 ft via the following transition routes.}}$ 

ANUBA Transition: Right turn HDG 330° to intercept R 283 SAC and R 283 SAC to ANUBA.

GOSBO Transition: Left turn HDG 150° to intercept R 204 SAC and R 204 SAC to GOSBO.

TOPAX Transition: Left turn HDG 050° to intercept R 142 SAC and R 142 SAC to TOPAX.

SAPDI Transition: Left turn HDG 050° to intercept R 093 SAC and R 093 SAC to SAPDI.

ENGOT Transition: Left turn HDG 050° to intercept R 138 SAC and R 138 SAC to ENGOT.

POVOR Transition: Left turn HDG 150° to intercept R 207 SAC and R 207 SAC to POVOR.

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