

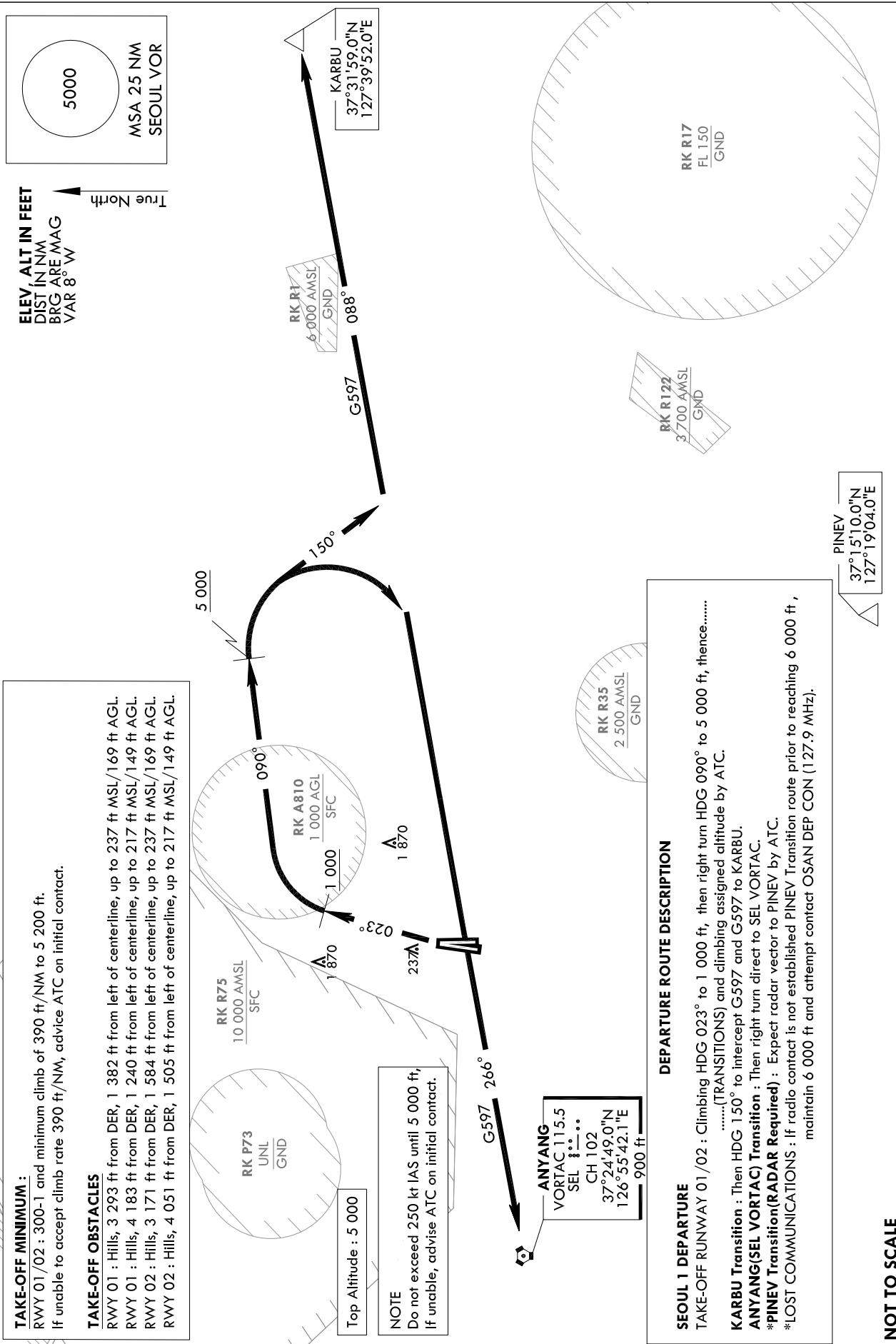
**STANDARD DEPARTURE
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

SEOUL DEP 123.8 363.8
SEOUL TWR 126.2 234.5 236.6

**SEOUL/Seoul(RKSM)
RWY 01/02
SEOUL 1**

Note : Departure under U.S. TERPS.



Change : Information of RK P73 and RK R75.

INTENTIONALLY

LEFT

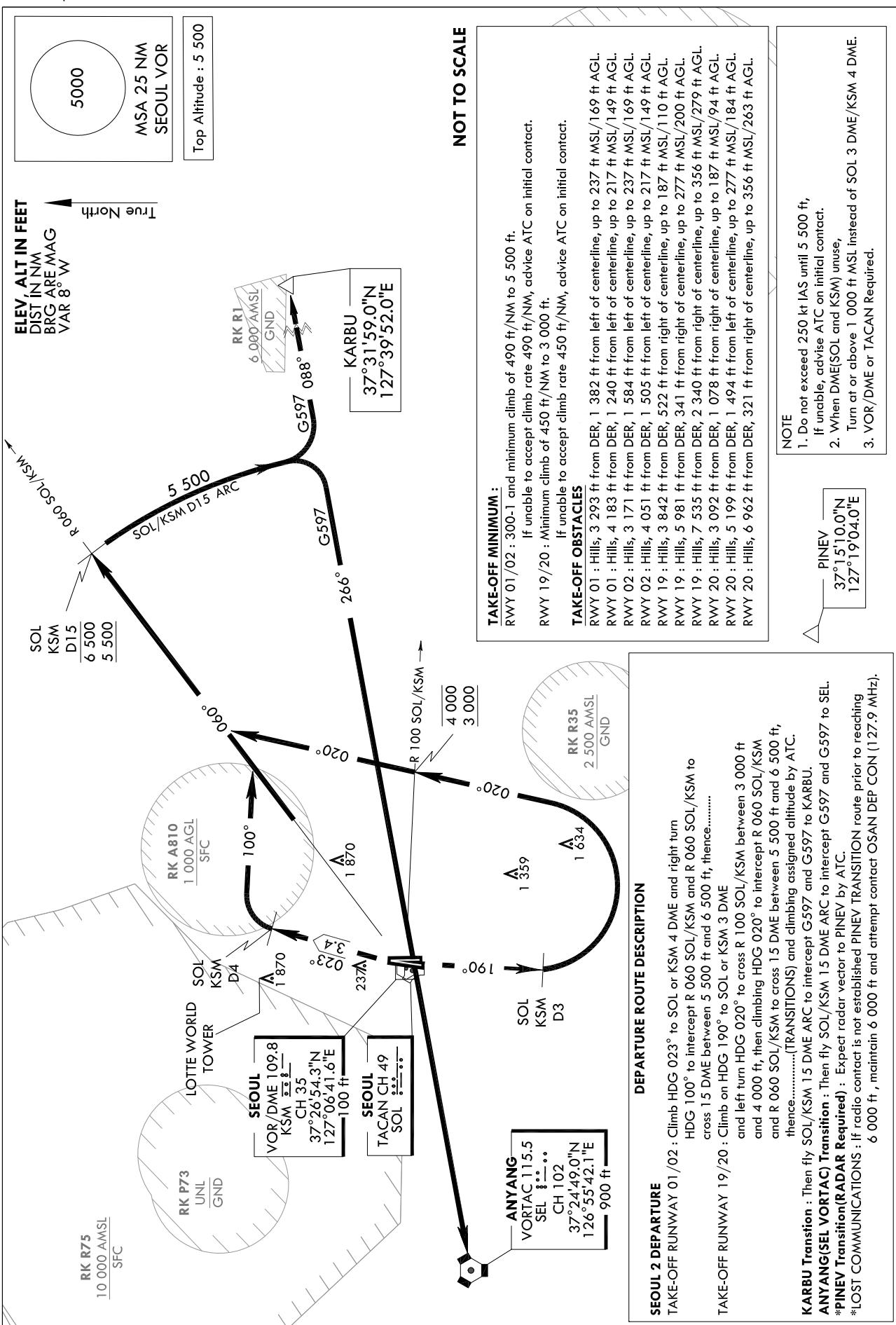
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CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000
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SEOUL DEP 123.8 363.8
SEOUL TWR 126.2 234.5 236.6

Note : Departure under U.S. TERPS.



Change : Information of RK P73 and RK R75.

INTENTIONALLY

LEFT

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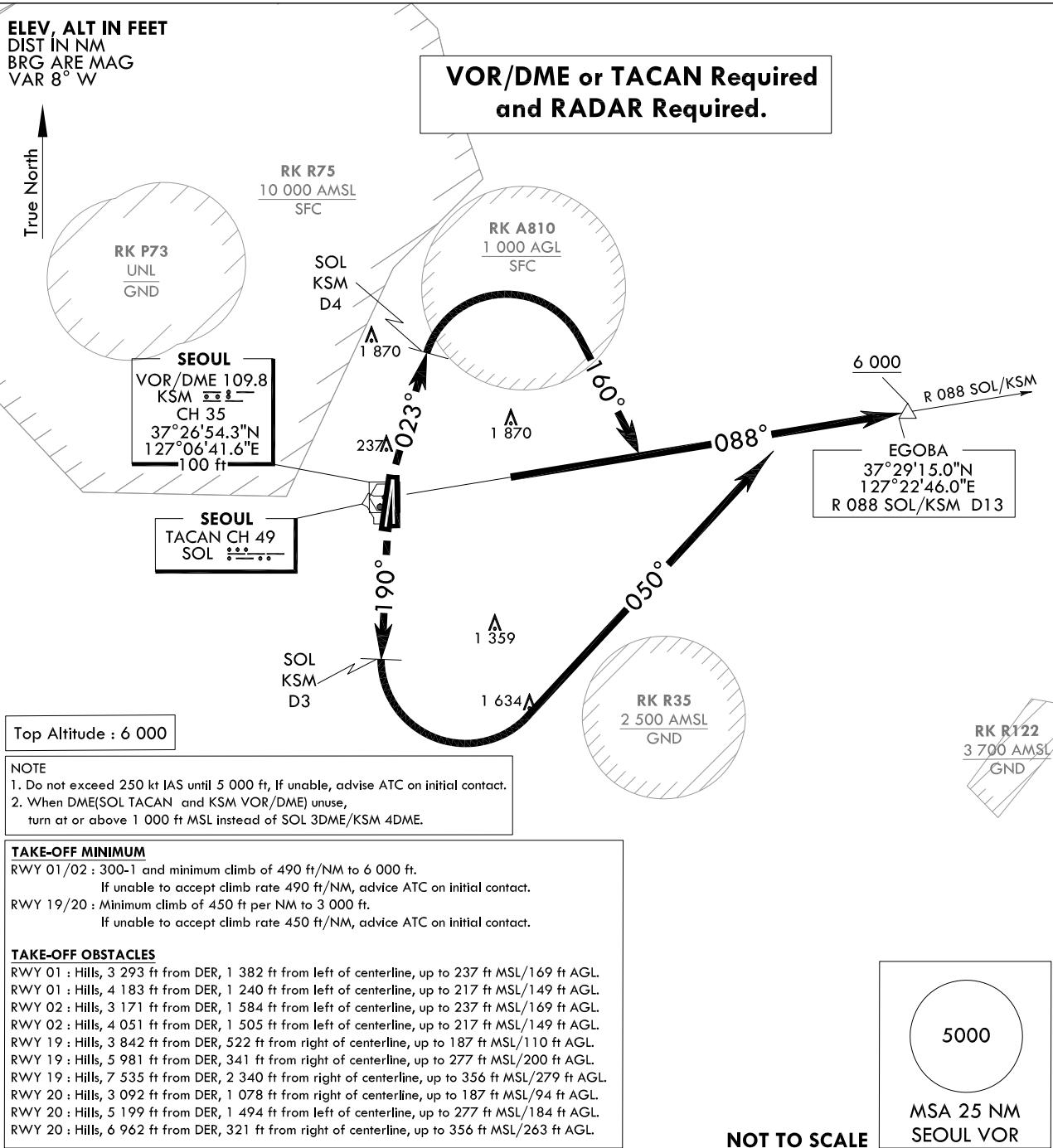
**STANDARD DEPARTURE
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

SEOUL DEP 123.8 363.8
SEOUL TWR 126.2 234.5 236.6

SEOUL/Seoul(RKSM)
RWY 01/02, RWY 19/20
EGOBA 5

Note : Departure under U.S. TERPS.



DEPARTURE ROUTE DESCRIPTION

EGOBA 5 DEPARTURE

TAKE-OFF RUNWAY 01/02 : Climb HDG 023° to SOL or KSM 4 DME
and climbing right turn HDG 160° to intercept R 088 SOL/KSM and
R 088 SOL/KSM to cross EGOBA at or above 6 000 ft.

TAKE-OFF RUNWAY 19/20 : Climb HDG 190° to SOL or KSM 3 DME
and climbing left turn HDG 050° to intercept R 088 SOL/KSM and
R 088 SOL/KSM to cross EGOBA at or above 6 000 ft.

INTENTIONALLY

LEFT

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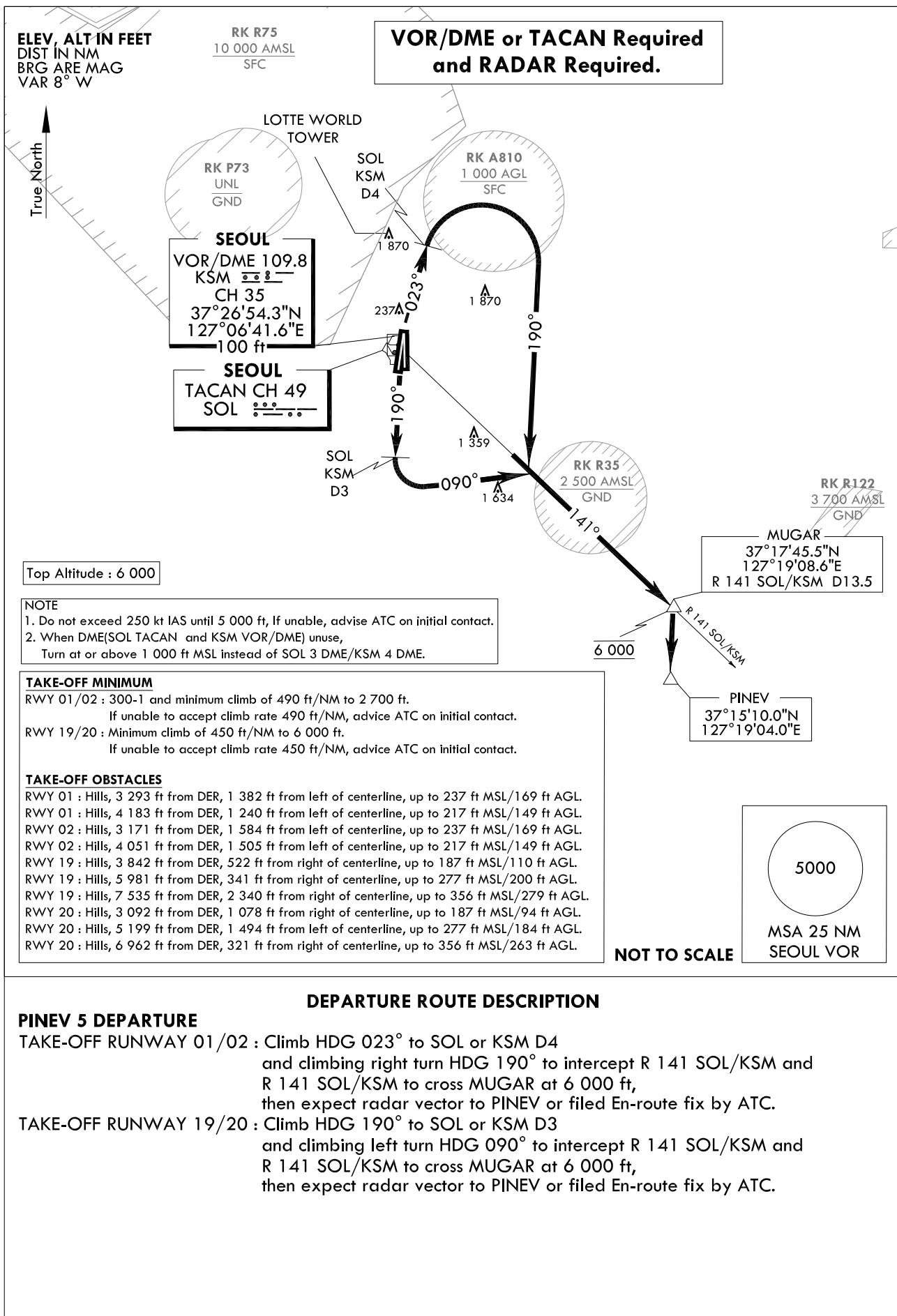
**STANDARD DEPARTURE
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

SEOUL DEP 123.8 363.8
SEOUL TWR 126.2 234.5 236.6

SEOUL/Seoul(RKSM)
RWY 01/02, RWY 19/20
PINEV 5

Note : Departure under U.S. TERPS.



INTENTIONALLY

LEFT

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**STANDARD DEPARTURE CHART
INSTRUMENT (SID)**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

SEOUL DEP 123.8 363.8
SEOUL TWR 126.2
236.6 234.5

**SEOUL/Seoul(RKSM)
RWY 01/02
RNAV MEESA 1**

Note : Departure under U.S TERPS.

TAKE-OFF OBSTACLE :

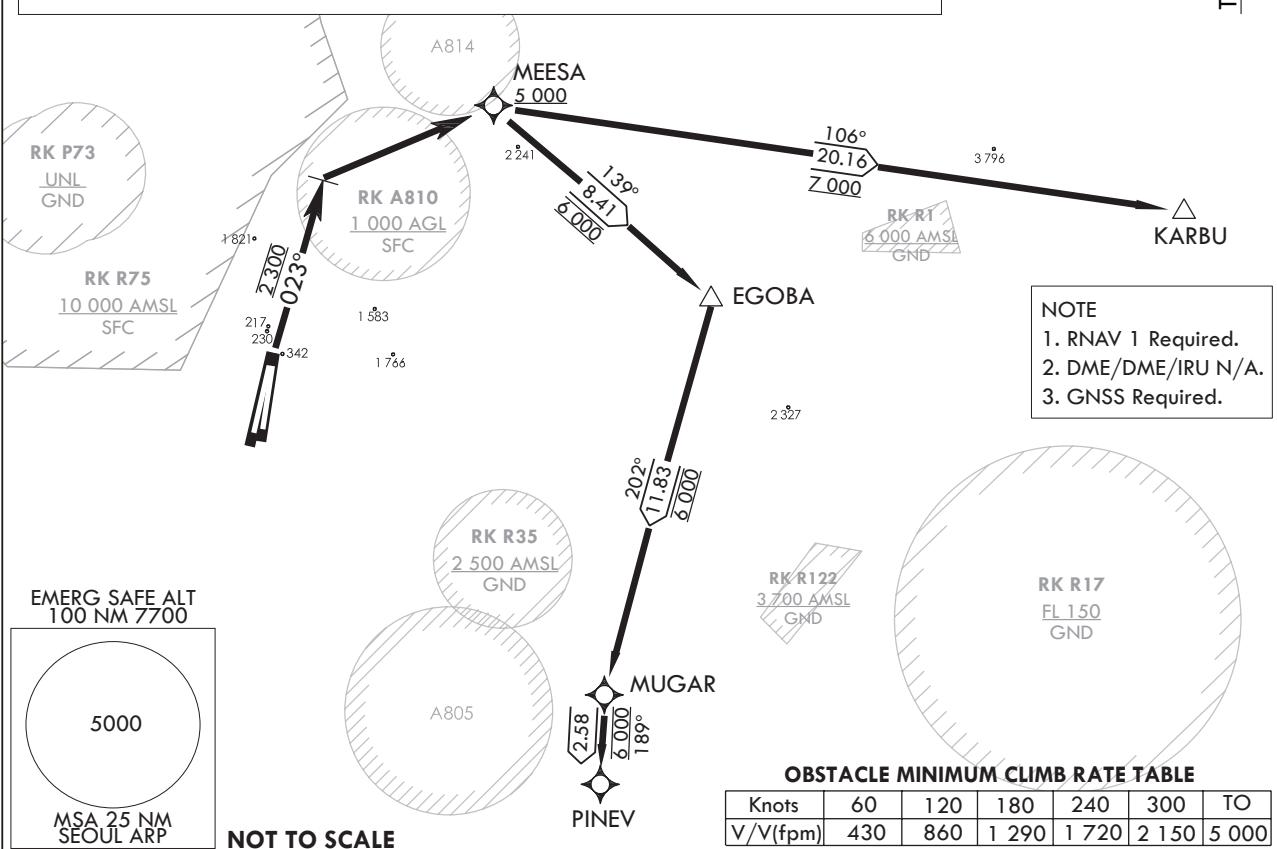
RWY 01 : Hills, 3 321 ft from DER, 1 411 ft from left of centerline,
up to 230 ft AMSL/161 ft AGL.
RWY 01 : Terrain, 1 964 ft from right of RWY 01 centerline, up to 342 ft AMSL/273 ft AGL.
RWY 02 : Terrain, 2 181 ft from right of RWY 02 centerline, up to 342 ft AMSL/250 ft AGL.

TAKE-OFF MINIMUM :

RWY 01/02 : 300-1 and minimum climb of 430 ft/NM to 5 000 ft.

**ELEV, ALT IN FEET
DIST IN NM
BRG ARE MAG
VAR 8° W**

True North

**DEPARTURE PROCEDURE DESCRIPTION****RNAV MEESA 1 DEPARTURE**

TAKE-OFF RUNWAY 01/02 : Climb on HDG 023° to 2 300 ft, then right turn direct MEESA,
cross MEESA at or above 5 000 ft, thence.....
.....(transition) maintain 6 000 ft, expect filed altitude 10 minutes after departure.

KARB TRANSITION : Track 106° to KARB and climb to assigned altitude.

EGOBA TRANSITION : Track 139° to EGOBA and climb to assigned altitude.

PINEV TRANSITION : Track 139° to EGOBA and Track 202° to MUGAR and Track 189° to PINEV
and climb to assigned altitude.

SEOUL/Seoul(RKSM)

RWY 01/02

RNAV MEESA 1

AERONAUTICAL DATA TABULATION

Standard Instrument Departure Procedure Coding Tables

RNAV MEESA 1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course/Track ° M(° T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	Coordinates	VPA /TCH	Navigation specification	Remarks
001	VA	-	-	Heading 023	-	-	@2 300	-250	-	-	RNAV1	
002	DF	MEESA	-	-	-	R	+5 000	-250	37°3'43.9"N 127°1'44.8"E	-	RNAV1	

Feeder Routes

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course/Track ° M(° T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	Coordinates	VPA /TCH	Navigation specification	Remarks
001	DF	MEESA	-	-	-	-	+5 000	-	37°34'43.9"N 127°1'44.8"E	-	RNAV1	
002	TF	KARBU	-	106/98	20.16	R	+7 000	-	37°31'59.0"N 127°39'52.0"E	-	-	

Feeder Routes

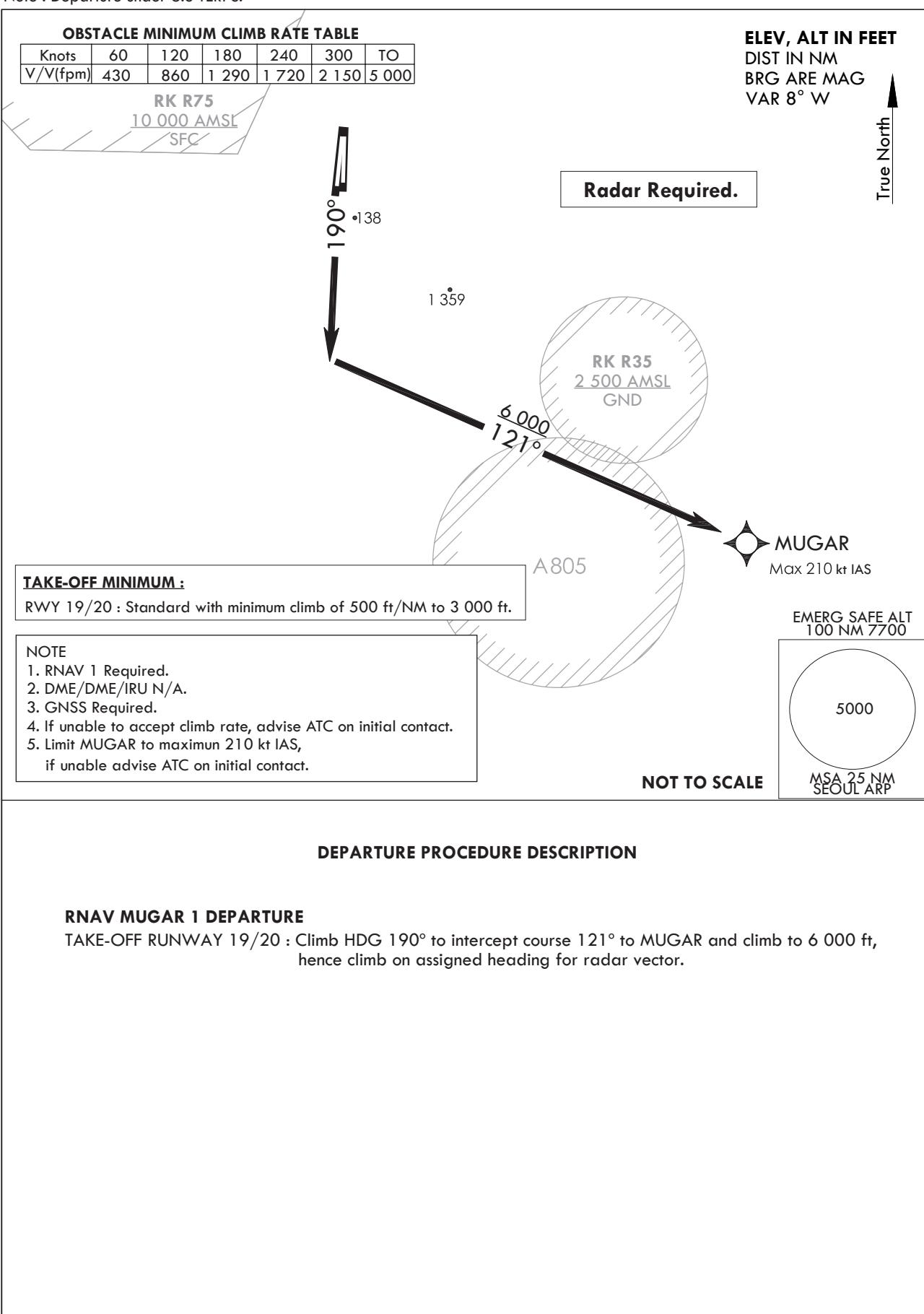
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course/Track ° M(° T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	Coordinates	VPA /TCH	Navigation specification	Remarks
001	DF	MEESA	-	-	-	-	+5 000	-250	37°34'43.9"N 127°1'44.8"E	-	RNAV1	
002	TF	EGOBA	-	139/131	8.41	R	@6 000	-	37°29'15.0"N 127°22'46.0"E	-	RNAV1	
003	TF	MUGAR	-	202/194	11.83	R	@6 000	-	37°17'45.5"N 127°19'08.6"E	-	RNAV1	
004	TF	PINEV	-	189/181	2.58	L	@6 000	-	37°15'10.0"N 127°19'04.0"E	-	RNAV1	

**STANDARD DEPARTURE CHART
INSTRUMENT (SID)**

Note : Departure under U.S TERPS.

 TRANSITION ALT 14 000
 TRANSITION LVL FL 140

 SEOUL DEP 123.8 363.8
 SEOUL TWR 126.2
 236.6 234.5

**SEOUL/Seoul(RKSM)
RWY 19/20
RNAV MUGAR 1**


SEOUL/Seoul(RKSM)
RWY 19/20
RNAV MUGAR 1

AERONAUTICAL DATA TABULATION

Standard Instrument Departure Procedure Coding Tables

RNAV MUGAR 1									
Serial Number	Path Descriptor	Waypoint Identifier	Fly -Over	Course/Track ° M(° T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	Coordinates
VPA	/TCH	Navigation specification	Remarks						
001	VI	-	-	Heading 190	-	-	-	-210	-
002	CF	MUGAR	-	121/113	-	L	+6 000	-210	37°17'45.5"N 127°19'08.6"E
								-	RNAV1
								-	Bank angle 20°

**STANDARD DEPARTURE CHART
INSTRUMENT (SID)**

Note : Departure under U.S TERPS.

 TRANSITION ALT 14 000
 TRANSITION LVL FL 140

 SEOUL DEP 123.8 363.8
 SEOUL TWR 126.2
 236.6 234.5

**SEOUL/Seoul(RKSM)
RWY 19/20
RNAV SONGTAN 1**
ELEV, ALT IN FEET
 DIST IN NM
 BRG ARE MAG
 VAR 8° W

True North

 RK P73
 UNL
 GND

 RK R75
 10 000 AMSL
 SFC

 RK A810
 1 000 AGL
 SFC

1359

1 500

48°

190°

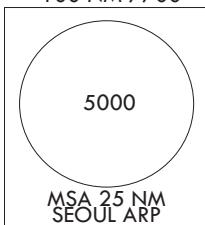
 RK R35
 2 500 AMSL
 GND

A 805

 RK R122
 3 700 AMSL
 GND
NOTE

1. RNAV 1 Required.
2. DME/DME/IRU N/A.
3. GNSS Required.
4. If unable to accept climb rate, advise ATC on initial contact.

Use of this procedure require specific authorization by the appropriate military authority and authorization by NOTAM about airspace control.

EMERG SAFE ALT
100 NM 7700MSA 25 NM
SEOUL ARP
 SOT
8 000
TAKE-OFF MINIMUM:

RWY 19/20 : 500-1 1/4 with minimum climb of 500 ft/NM to 5 000 ft.

OBSTACLE MINIMUM CLIMB RATE TABLE

Knots	60	120	180	240	300	TO
V/V(fpm)	500	1 000	1 500	2 000	2 500	5 000

NOT TO SCALE**DEPARTURE PROCEDURE DESCRIPTION****RNAV SONGTAN 1 DEPARTURE**

TAKE-OFF RUNWAY 19/20 : Climb HDG 190° to 1 500 ft, then right turn direct SOT(SONGTAN VORTAC) and climb assigned altitude.

SEOUL/Seoul(RKSM)

RWY 19/20

RNAV SONGTAN 1

AERONAUTICAL DATA TABULATION

Standard Instrument Departure Procedure Coding Tables

RNAV SONGTAN 1

Serial Number	Path Descriptor	Waypoint Identifier	Fly -Over	Course/Track ° M(° T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	Coordinates	VPA /TCH	Navigation specification	Remarks
001	VA	-	-	Heading 190	-	-	+1 500	-	-	-	RNAV1	ICA
002	CF	SOT	-	-	-	R	+8 000	-	37°05'39.7"N 127°01'54.0"E	-	RNAV1	

**STANDARD DEPARTURE CHART
INSTRUMENT (SID)**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

SEOUL DEP 123.8 363.8
SEOUL TWR 126.2
236.6 234.5

**SEOUL/Seoul(RKSM)
RWY 19/20
RNAV YEOJU 1**

Note : Departure under U.S TERPS.

OBSTACLE MINIMUM CLIMB RATE TABLE

Knots	60	120	180	240	300	TO
V/V(fpm)	500	1 000	1 500	2 000	2 500	5 000

TAKE-OFF MINIMUM :

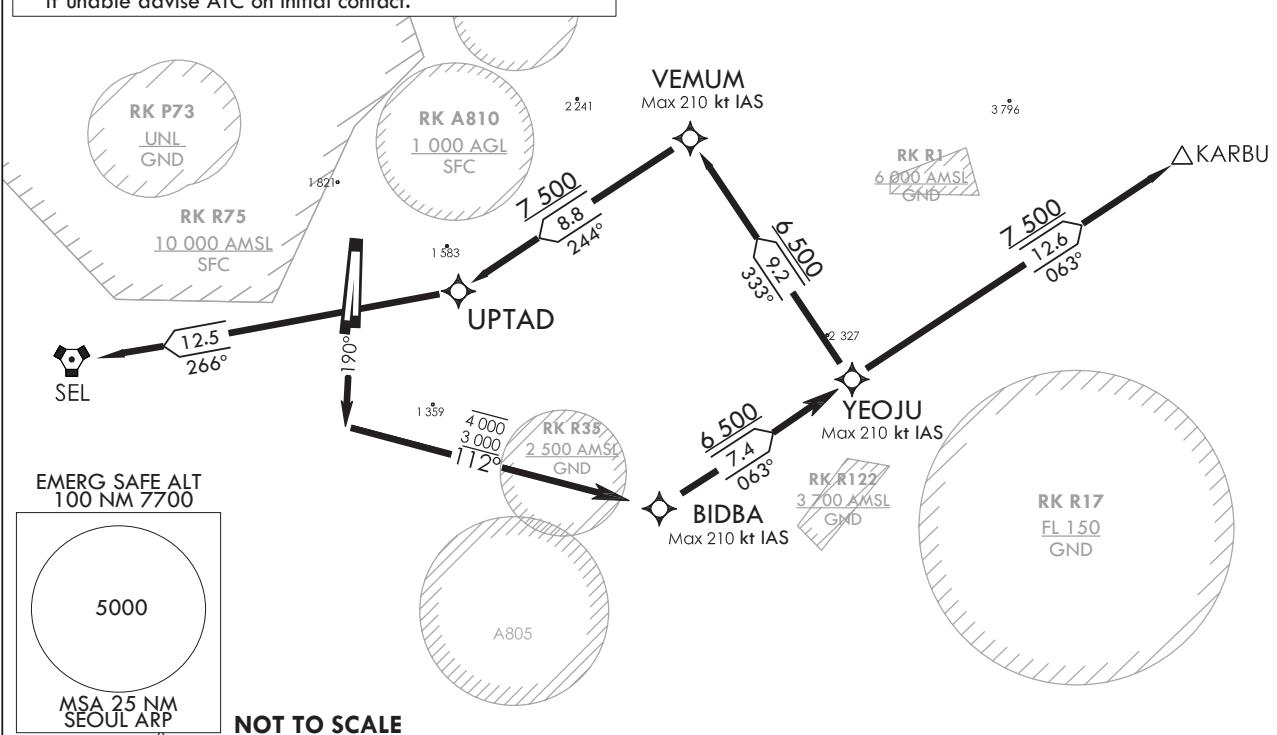
RWY 19/20 : Standard with minimum climb of 500 ft/NM to 4 000 ft.

NOTE

1. RNAV 1 Required.
2. DME/DME/IRU N/A.
3. GNSS Required.
4. If unable to accept climb rate, advise ATC on initial contact.
5. Limit BIDBA, YEOJU, VEMUM to maximum 210 kt IAS, if unable advise ATC on initial contact.

ELEV, ALT IN FEET
DIST IN NM
BRG ARE MAG
VAR 8° W

True North


DEPARTURE PROCEDURE DESCRIPTION
RNAV YEOJU 1 DEPARTURE

TAKE-OFF RUNWAY 19/20 : Climb HDG 190° to intercept course 112° to BIDBA, and left turn, track 063° to YEOJU, THENCE....
.....(transition) maintain 6 500 ft, expect filed altitude 10 minutes after departure.

KARBU TRANSITION : Track 063° to KARBU and climb to assigned altitude.

ANYANG(SEL VORTAC) TRANSITION: Track 333° to VEMUM and left turn track 244° to UPTAD and right turn track 266° to ANYANG(SEL VORTAC) and climb to assigned altitude.

SEOUL/Seoul(RKSM)

RWY 19/20

RNAV YEOJU 1

AERONAUTICAL DATA TABULATION

Standard Instrument Departure Procedure Coding Tables

RNAV YEOJU 1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course/Track ° M(° T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	Coordinates	VPA /TCH	Navigation specification	Remarks
001	VI	-	-	HDG 190	-	-	-	-210	-	-	RNAV 1	Bank angle 20°
002	CF	BIBA	-	112/104	-	L	-4 000 +3 000	-210	37°20'33.3"N 127°19'14.5"E	-	RNAV 1	Bank angle 20°
003	TF	YEOJU	-	063/055.1	7.37	-	+6 500	-210	37°24'46.4"N 127°26'49.9"E	-	RNAV 1	Bank angle 20°

Feeder Routes

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course/Track ° M(° T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	Coordinates	VPA /TCH	Navigation specification	Remarks
001	TF	YEOJU	-	-	-	-	+6 500	-210	37°24'46.4"N 127°26'49.9"E	-	RNAV 1	Bank angle 20°
002	TF	YEMUM	-	333/325.2	9.23	L	+6 500	-210	37°32'21.3"N 127°20'12.4"E	-	RNAV 1	Bank angle 20°
003	TF	UPTAD	-	244/235.6	8.82	R	+7 500	-	37°27'21.3"N 127°11'04.2"E	-	RNAV 1	
004	TF	SEL	-	266/258.4	12.5	-	-	-	37°24'49.0"N 126°55'42.1"E	-	RNAV 1	ENROUTE

Feeder Routes

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course/Track ° M(° T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	Coordinates	VPA /TCH	Navigation specification	Remarks
001	TF	YEOJU	-	-	-	-	+6 500	-210	37°24'46.4"N 127°26'49.9"E	-	RNAV 1	
002	TF	KARBU	-	063/055.1	12.6	R	+7 500	-	37°31'59.0"N 127°39'52.0"E	-	RNAV 1	ENROUTE