

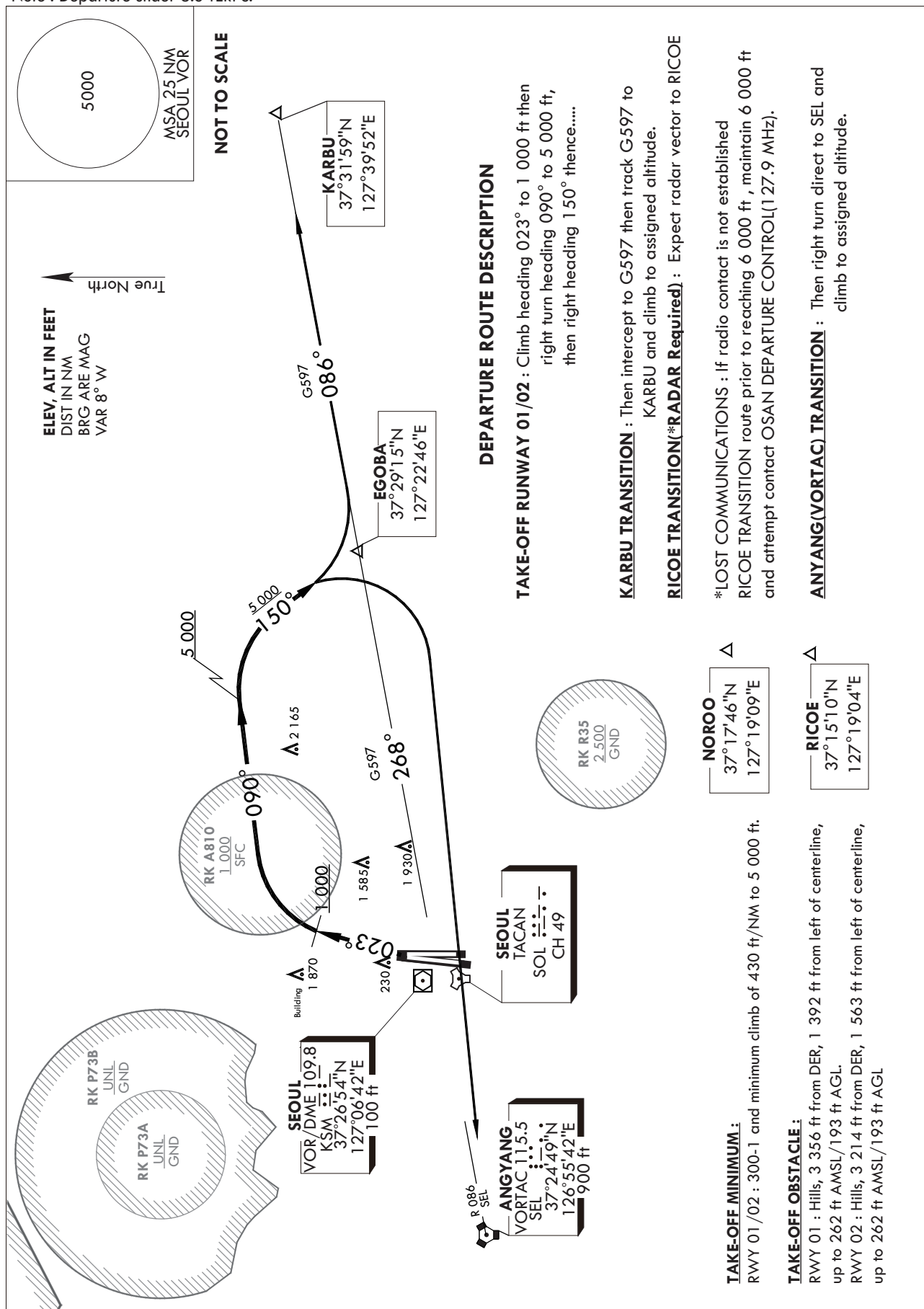
STANDARD DEPARTURE CHART
INSTRUMENT (SID)

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
SEOUL 5 I

Note : Departure under U.S TERPS.



Change : Information of frequency (292.85 → 234.5).

INTENTIONALLY

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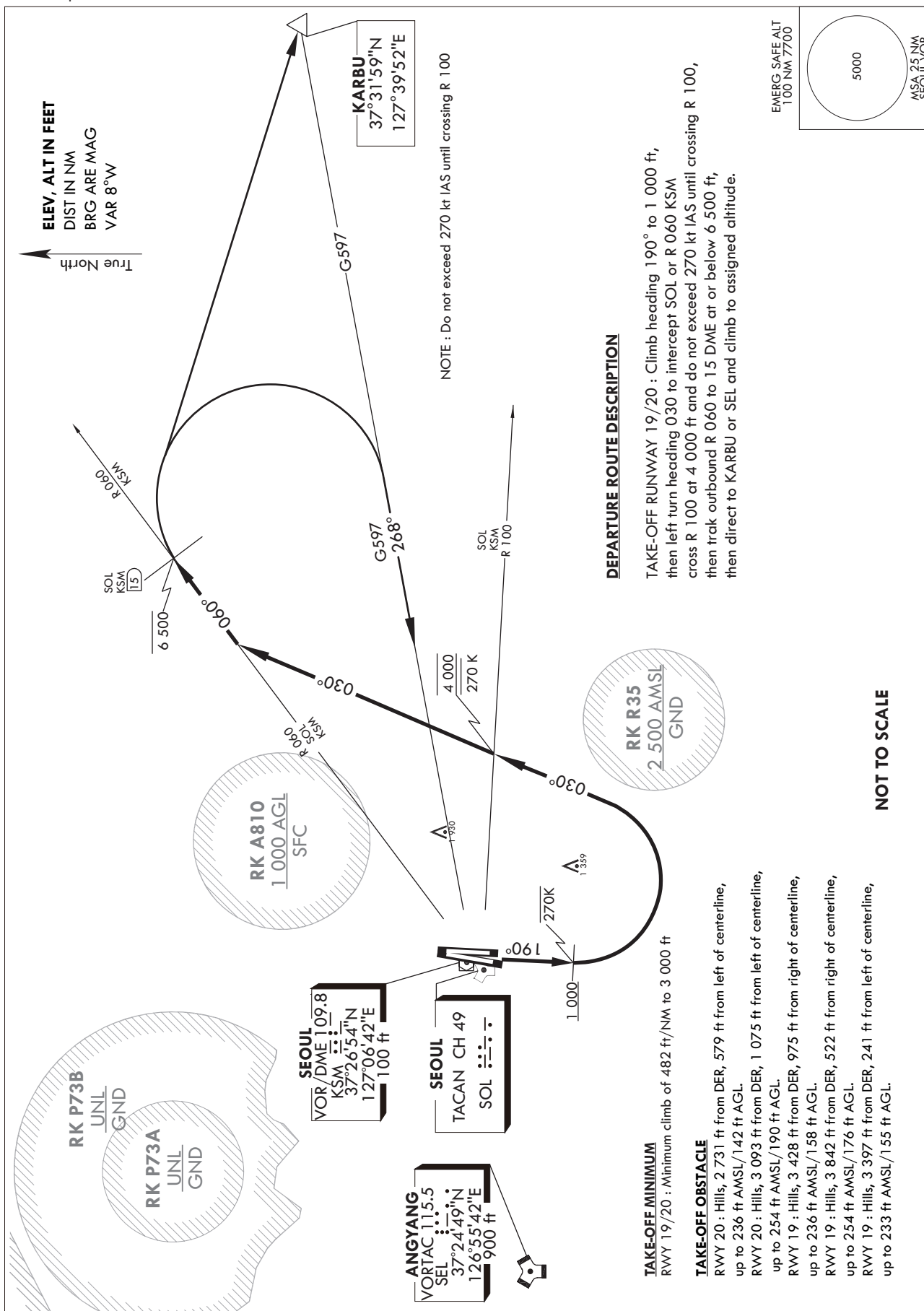
STANDARD DEPARTURE CHART
INSTRUMENT(SID)

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 19/20
SEOUL 6 I

Note : Departure under U.S TERPS.



Change : Information of frequency (292.85 → 234.5).

INTENTIONALLY

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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, RWY 19/20
SEOUL 7

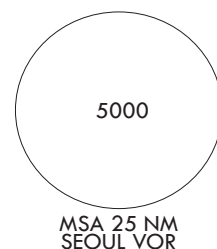
Note : Departure under U.S TERPS.

TAKE-OFF MINIMUM :

RWY 01/02 : 300-1 and minimum climb of 380 ft/NM to 5 300 ft.
RWY 19/20 : 300-1 and minimum climb of 410 ft/NM to 5 300 ft.

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

True North

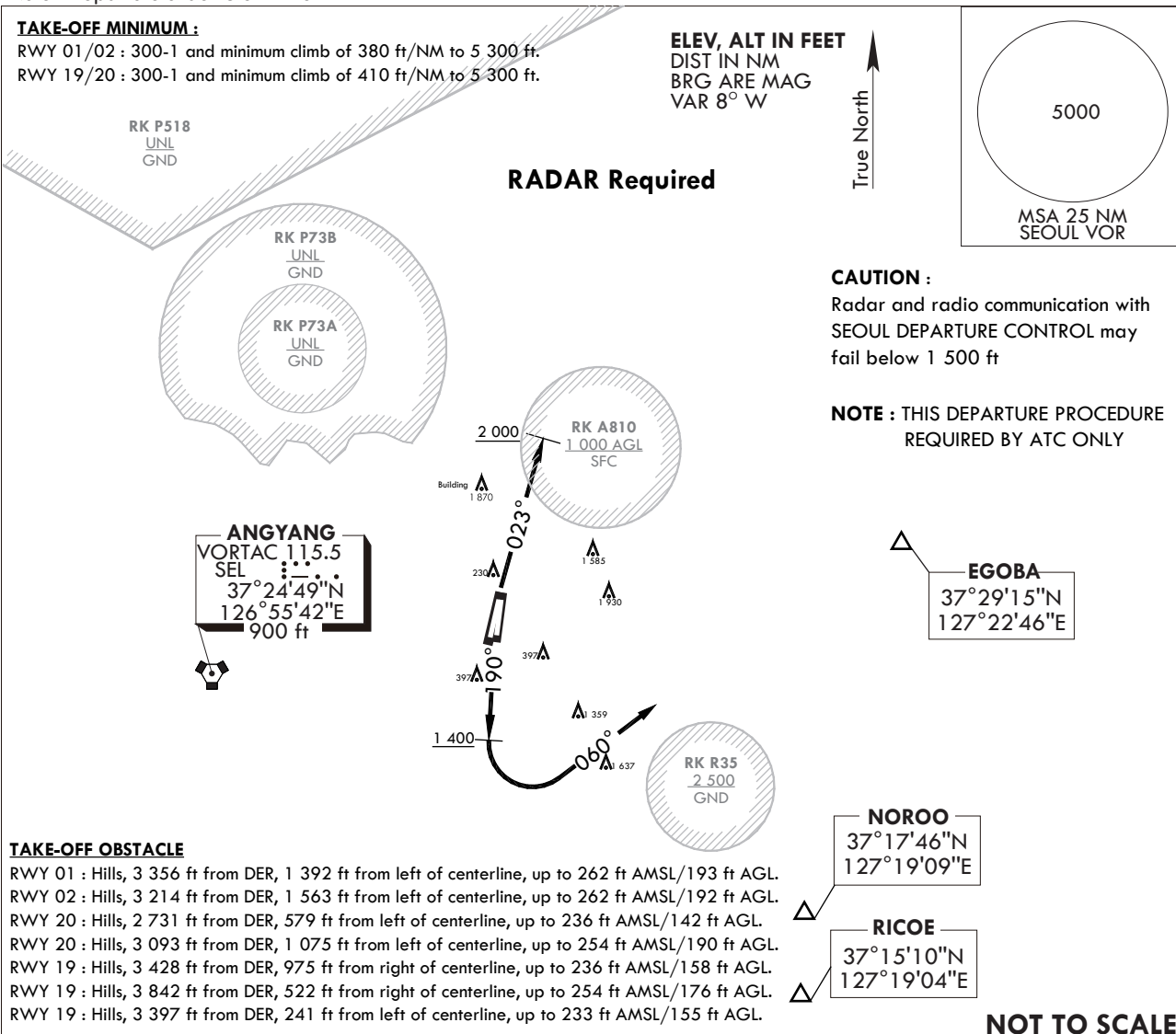


RADAR Required

CAUTION :

Radar and radio communication with SEOUL DEPARTURE CONTROL may fail below 1 500 ft

NOTE : THIS DEPARTURE PROCEDURE
REQUIRED BY ATC ONLY



TAKE-OFF OBSTACLE

RWY 01 : Hills, 3 356 ft from DER, 1 392 ft from left of centerline, up to 262 ft AMSL/193 ft AGL.
RWY 02 : Hills, 3 214 ft from DER, 1 563 ft from left of centerline, up to 262 ft AMSL/192 ft AGL.
RWY 20 : Hills, 2 731 ft from DER, 579 ft from left of centerline, up to 236 ft AMSL/142 ft AGL.
RWY 20 : Hills, 3 093 ft from DER, 1 075 ft from left of centerline, up to 254 ft AMSL/190 ft AGL.
RWY 19 : Hills, 3 428 ft from DER, 975 ft from right of centerline, up to 236 ft AMSL/158 ft AGL.
RWY 19 : Hills, 3 842 ft from DER, 522 ft from right of centerline, up to 254 ft AMSL/176 ft AGL.
RWY 19 : Hills, 3 397 ft from DER, 241 ft from left of centerline, up to 233 ft AMSL/155 ft AGL.

NOT TO SCALE

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 01/02 : Climb on heading 023° to 2 000 ft,
then expect radar vectors to intercept filed En route fix, thence....

TAKE-OFF RWY 19/20 : Climb on heading 190° to 1 400 ft
then left turn heading 060° then expect radar vectors
to intercept filed En route fix thence....

.....Maintain 5 300 ft or assigned altitude(flight level).

LOST COMMUNICATIONS : If radio contact is not established with departure control prior to reaching 5 300 ft, Continue climb to 8 000 ft before turning to filed fix/Navaid and proceed filed route and altitude.

Change : Information of tower frequency (292.85 → 234.5).

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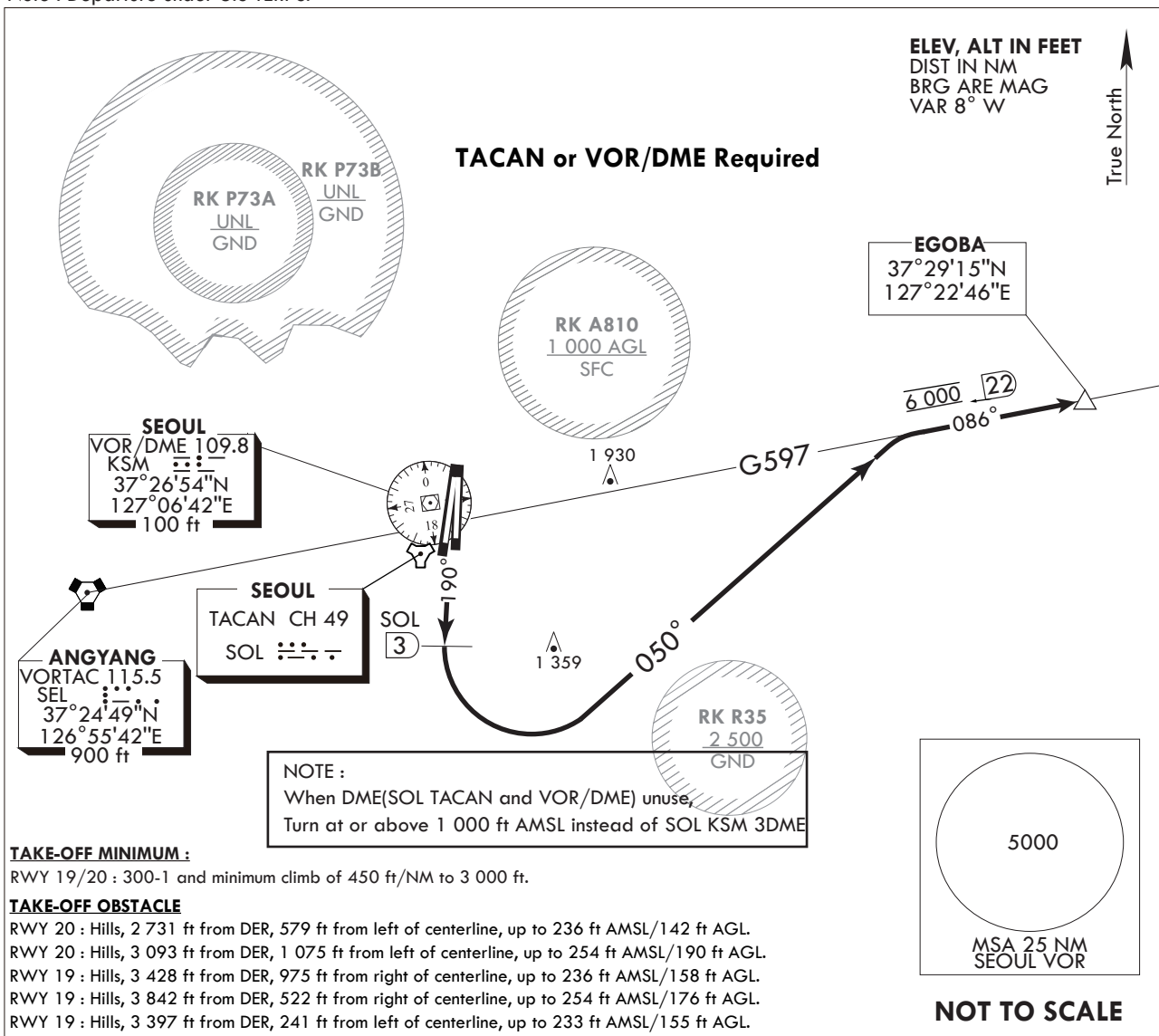
**STANDARD DEPARTURE CHART
INSTRUMENT (SID)**

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
EGOBA 4 I



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 19/20 : Climb heading 190° to SOL 3DME or KSM 3DME,
then turn left heading 050° to intercept G597 to 6 000 ft
then G597 to EGOBA and climb to filed altitude.

Change : Information of tower frequency (292.85 → 234.5).

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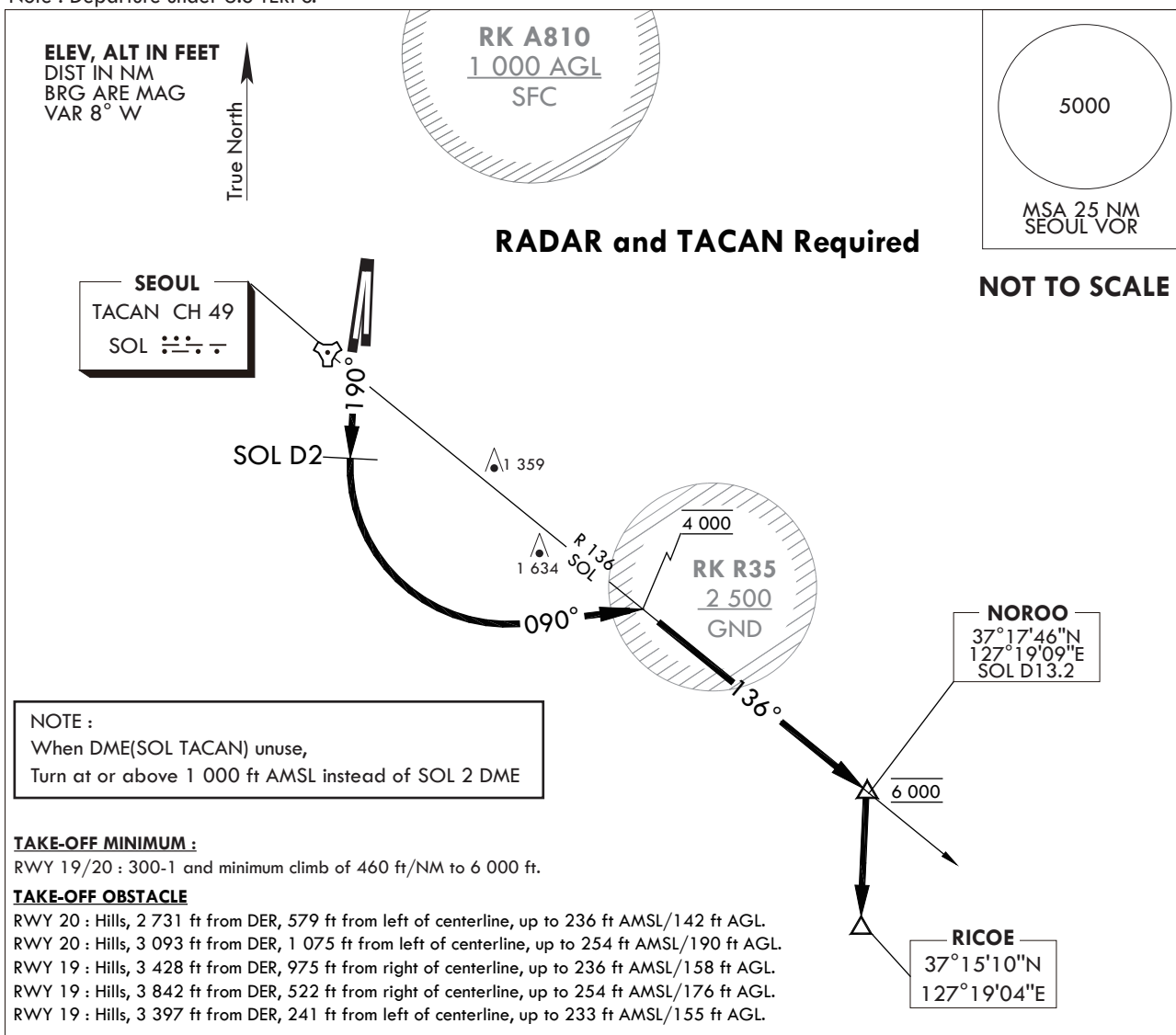
**STANDARD DEPARTURE CHART
INSTRUMENT (SID)**

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 19/20
RICOE 3

Note : Departure under U.S TERPS.



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 19/20 : Climb on heading 190° to SOL 2 DME, then left turn heading 090° to interceptor R 141 KSM and cross at 4 000 ft, then R 141 KSM to cross NOROO at 6 000 ft, then expect radar vectors to RICOE or filed En route fix.

Change : Information of tower frequency (292.85 → 234.5).

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**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
RICOE 4 I

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

SEOUL
VOR/DME 109.8
KSM
37°26'54"N
127°06'42"E
100 ft

RK A810
1 000 AGL
SFC

RADAR and VOR/DME Required

5000
MSA 25 NM
SEOUL VOR

NOT TO SCALE

NOTE :

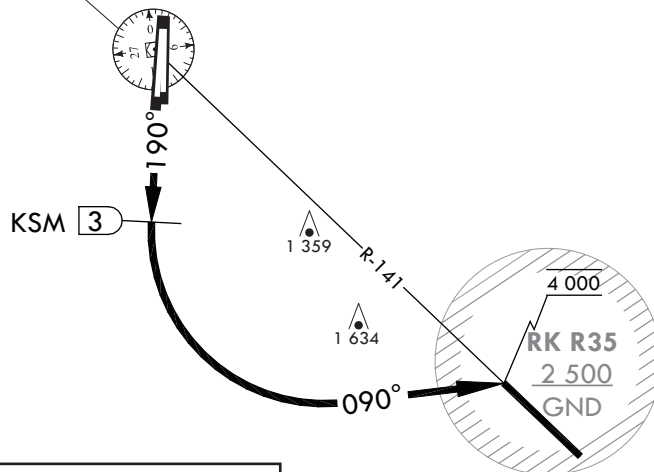
When DME(KSM VOR/DME) unuse,
Turn at or above 1 000 ft AMSL instead of KSM 3 DME

TAKE-OFF MINIMUM :

RWY 19/20 : 300-1 and minimum climb of 460 ft/NM to 6 000 ft.

TAKE-OFF OBSTACLE

RWY 20 : Hills, 2 731 ft from DER, 579 ft from left of centerline, up to 236 ft AMSL/142 ft AGL.
RWY 20 : Hills, 3 093 ft from DER, 1 075 ft from left of centerline, up to 254 ft AMSL/190 ft AGL.
RWY 19 : Hills, 3 428 ft from DER, 975 ft from right of centerline, up to 236 ft AMSL/158 ft AGL.
RWY 19 : Hills, 3 842 ft from DER, 522 ft from right of centerline, up to 254 ft AMSL/176 ft AGL.
RWY 19 : Hills, 3 397 ft from DER, 241 ft from left of centerline, up to 233 ft AMSL/155 ft AGL.



NOROO
37°17'46"N
127°19'09"E
R 141 KSM/D13.5

RICOE
37°15'10"N
127°19'04"E

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 19/20 : Climb heading 190° to KSM 3 DME, then left turn heading 090° to intercept R 141 KSM and cross at 4 000 ft, then R 141 KSM to cross NOROO at 6 000 ft, then expect radar vector to RICOE or filed En route fix.

Change : Information of tower frequency (292.85 → 234.5).

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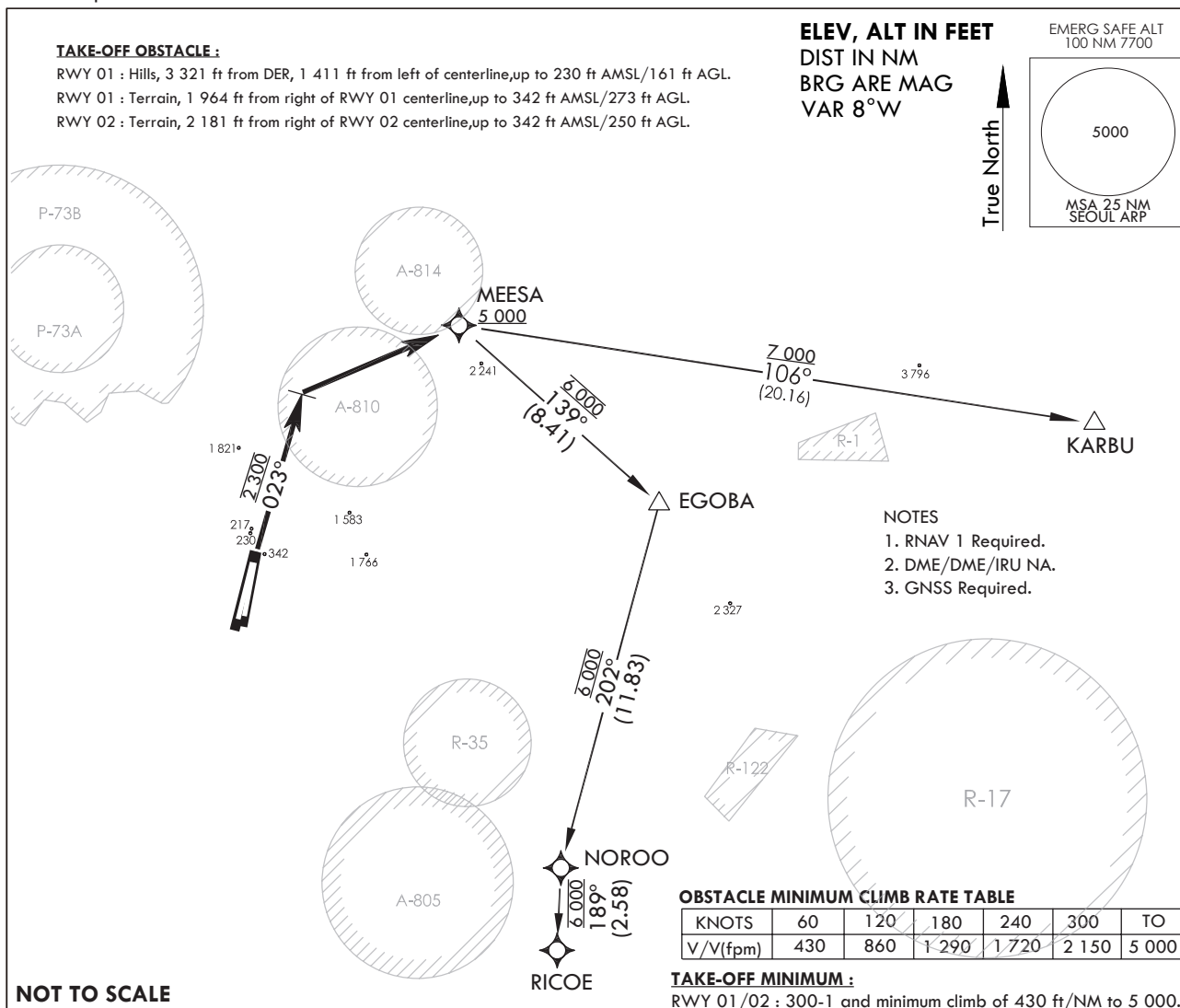
**STANDARD DEPARTURE CHART
INSTRUMENT (SID)**

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 MEESEA 1

Note : Departure under U.S TERPS.



DEPARTURE PROCEDURE DESCRIPTION

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

KARBU TRANSITION : Track 106 to KARBU and climb to assigned altitude.
EGOBA TRANSITION : Track 139 to EGOBA and climb to assigned altitude.
RICOE TRANSITION : Track 139 to EGOBA and Track 202 to NOROO and Track 189 to RICOE and climb to assigned altitude.

Change : Information of tower frequency (292.85 → 234.5).

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	373443.8679N 1271444.7752E	—	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	—	373443.8679N 1271444.7752E	—	RNAV1	
002	TF	KARBU	—	106°/98°	20.16	R	+7 000	—	373159N 1273952E	—	—	

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	373443.8679N 1271444.7752E	—	RNAV1	
002	TF	EGO8A	—	139°/131°	8.41	R	@6 000	—	372915N 1272246E	—	RNAV1	
003	TF	NOROO	—	202°/194°	11.83	R	@6 000	—	371745.54N 1271908.61E	—	RNAV1	
004	TF	RICOE	—	189°/181°	2.58	L	@6 000	—	371510.31N 1271903.56E	—	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 NOROO 1

Note : Departure under U.S TERPS.

OBSTACLE MINIMUM CLIMB RATE TABLE

KNOTS	60	120	180	240	300	TO
V/V(fpm)	430	860	1 290	1 720	2 150	5 000

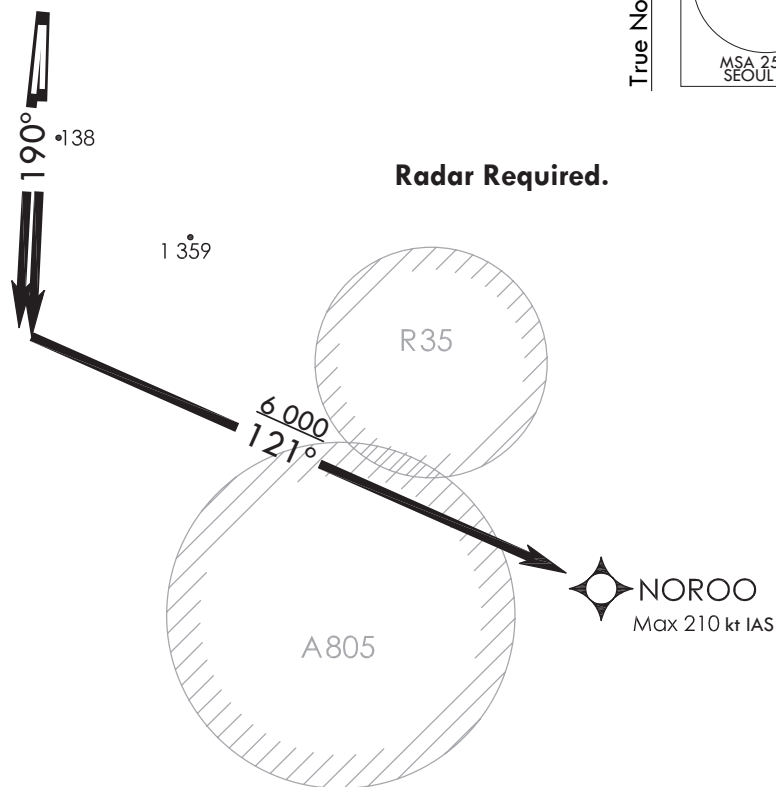
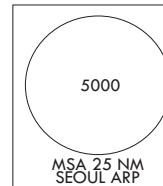
TAKE-OFF MINIMUM :

RWY 19/20 : Standard with minimum climb of 500 ft/NM to 3 000.

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

EMERG SAFE ALT
100 NM 7700

True North ↑



NOTES

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

NOT TO SCALE

DEPARTURE PROCEDURE DESCRIPTION

TAKE-OFF RUNWAY 19/20 : Climb heading 190 to intercept course 121 to NOROO and climb to 6 000 ft, hence climb on assigned heading for radar vector.

Change : Information of tower frequency (292.85 → 234.5).

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

AERONAUTICAL DATA TABULATION

Standard Instrument Departure Procedure Coding Tables

RNAV NOROO 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	-	-	RNAV1	Bank angle 20°
002	CF	NOROO	-	121°/113°	-	L	+6 000	-210	371745.54N 1271908.61E	-	RNAV1	Bank angle 20°

**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 SONGTAN 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

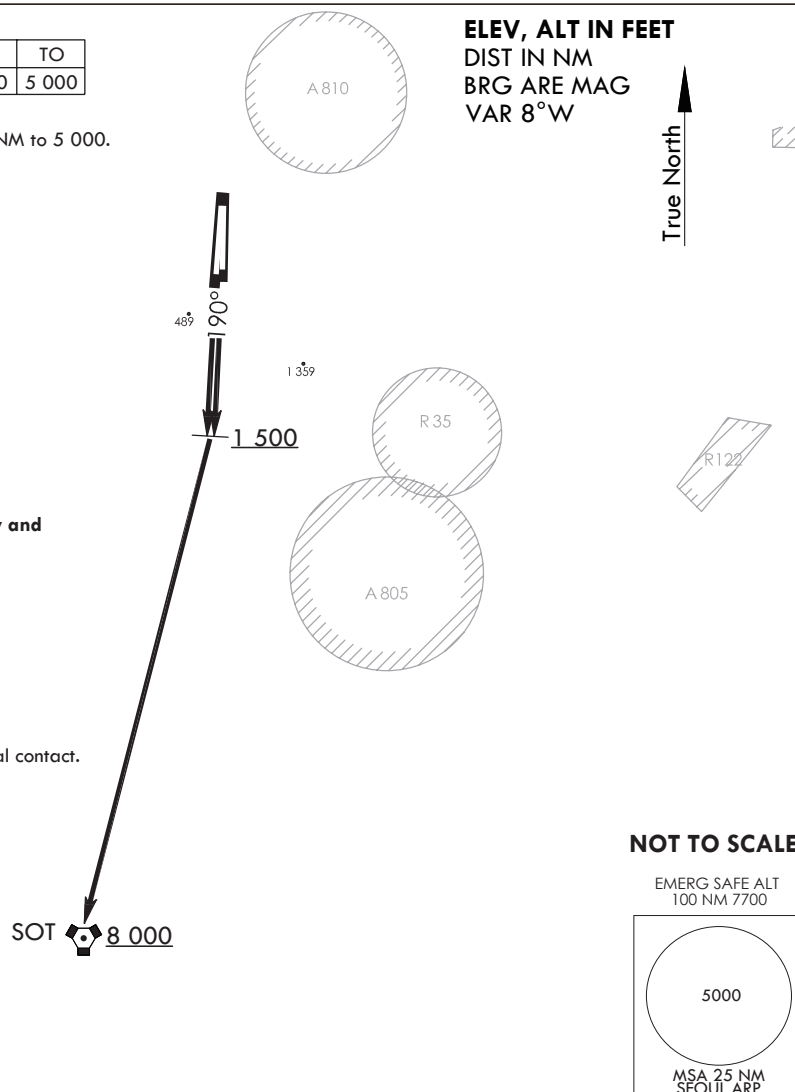
TAKE-OFF MINIMUM :

RWY 19/20 : 500-1¼ with minimum climb of 500 ft/NM to 5 000.

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

NOTES

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



DEPARTURE PROCEDURE DESCRIPTION

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

Change : Information of tower frequency (292.85 → 234.5).

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	-	370540N 1270154E	-	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

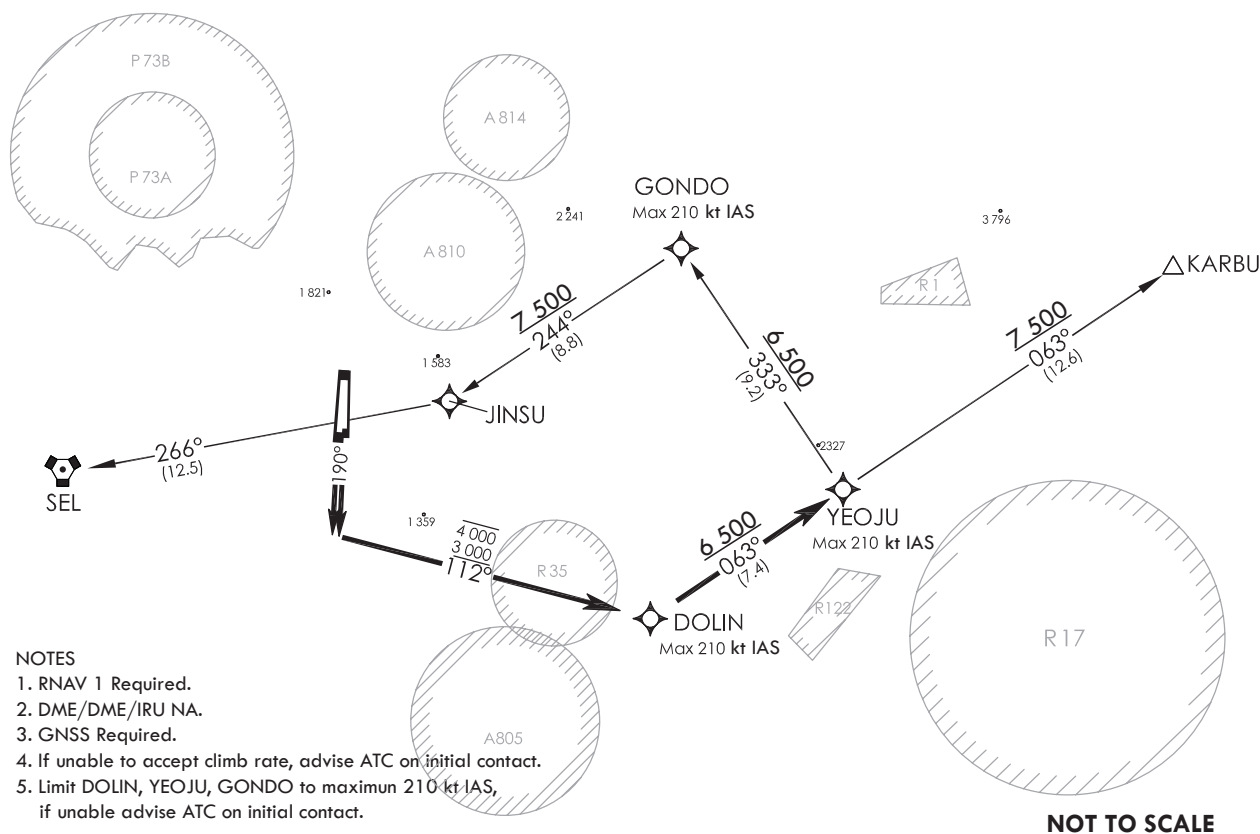
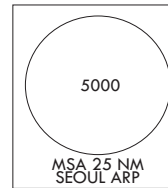
TAKE-OFF MINIMUM :

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

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

EMERG SAFE ALT
100 NM 7700

True North



DEPARTURE PROCEDURE DESCRIPTION

TAKE-OFF RUNWAY 19/20 : Climb heading 190° to intercept course 112 to DOLIN, and left turn, track 063 to YEOJU, THENCE....
.....(transition) maintain 6 500, 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 GONDO and left turn track 244 to JINSU and right turn track 266 to ANYANG(SEL VORTAC) and climb to assigned altitude.

Change : Information of tower frequency (292.85 → 234.5).

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	-	-	Heading 190°	-	-	-	-210	-	-	RNAV1	Bank angle 20°
002	CF	DOLIN	-	112°/104°	-	L	-4 000 +3 000	-210	372033.2627N 1271914.4699E	-	RNAV1	Bank angle 20°
003	TF	YEOJU	-	063°/055.1°	7.37	-	+6 500	-210	372446.4249N 1272649.8755E	-	RNAV1	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	372446.4249N 1272649.8755E	-	RNAV1	Bank angle 20°
002	TF	GONDO	-	333°/325.2°	9.23	L	+6 500	-210	373221.2835N 1272012.3799E	-	RNAV1	Bank angle 20°
003	TF	JINSU	-	244°/235.6°	8.82	R	+7 500	-	372721.3430N 1271104.2073E	-	RNAV1	
004	TF	SEL	-	266°/258.4°	12.5	-	-	-	372449N 1265542E	-	RNAV1	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	372446.4249N 1272649.8755E	-	RNAV1	
002	TF	KARBU	-	063°/055.1°	12.6	R	+7 500	-	373159N 1273952E	-	RNAV1	ENROUTE