

**INSTRUMENT
APPROACH
CHART**

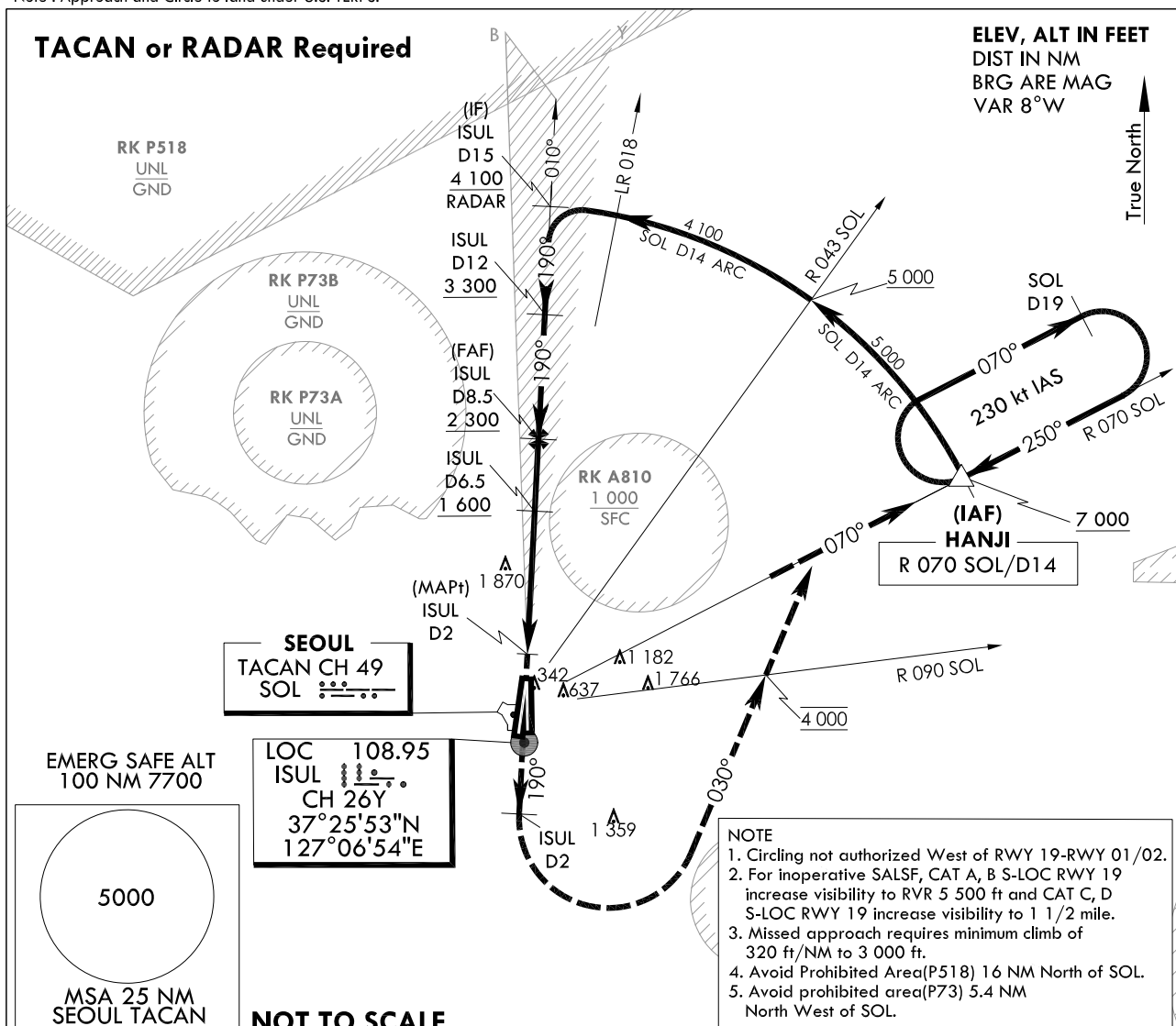
AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 68 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
LOC/DME Z
RWY 19

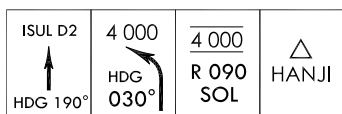
Note : Approach and Circle to land under U.S. TERPS.

TACAN or RADAR Required



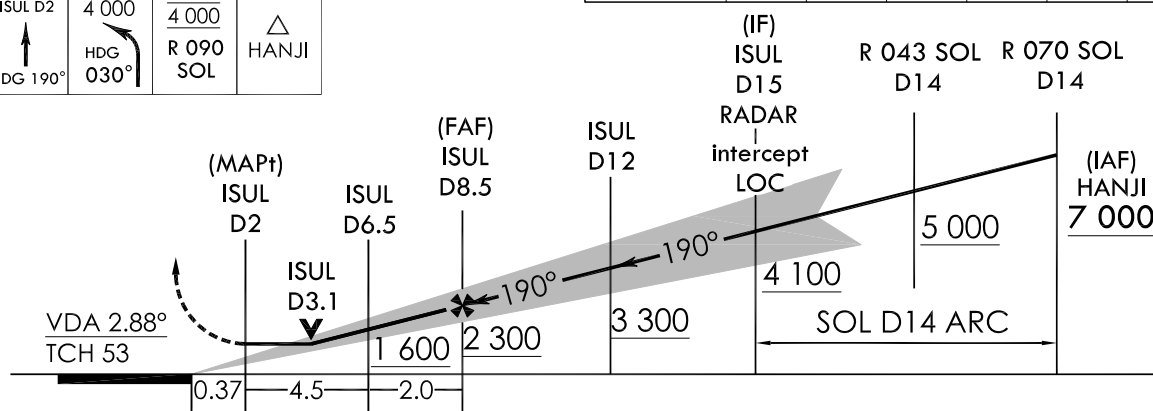
NOT TO SCALE

TRANSITION ALT 14 000
TRANSITION LVL FL 140



Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	320	640	960	1 280	1 590	3 000



CATEGORY	A	B	C	D	E
S-LOC RWY 19	600 / 40 528 (600 - 3/4)	600 - 1 1/4 528 (600 - 1 1/4)	600 - 1 1/4 528 (600 - 1 1/4)	N/A	N/A
Circling	1 020 - 1 1/4 927 (1 000 - 1 1/4)	1 560 - 3 1 467 (1 500 - 3)	2 260 - 3 2 167 (2 200 - 3)	N/A	N/A

MISSED APPROACH

Climb HDG 190° to ISUL 2DME and climbing left turn HDG 030° to cross R 090 SOL at 4 000 ft, then R 070 SOL to HANJI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended ILS plan view symbol.

INTENTIONALLY

LEFT

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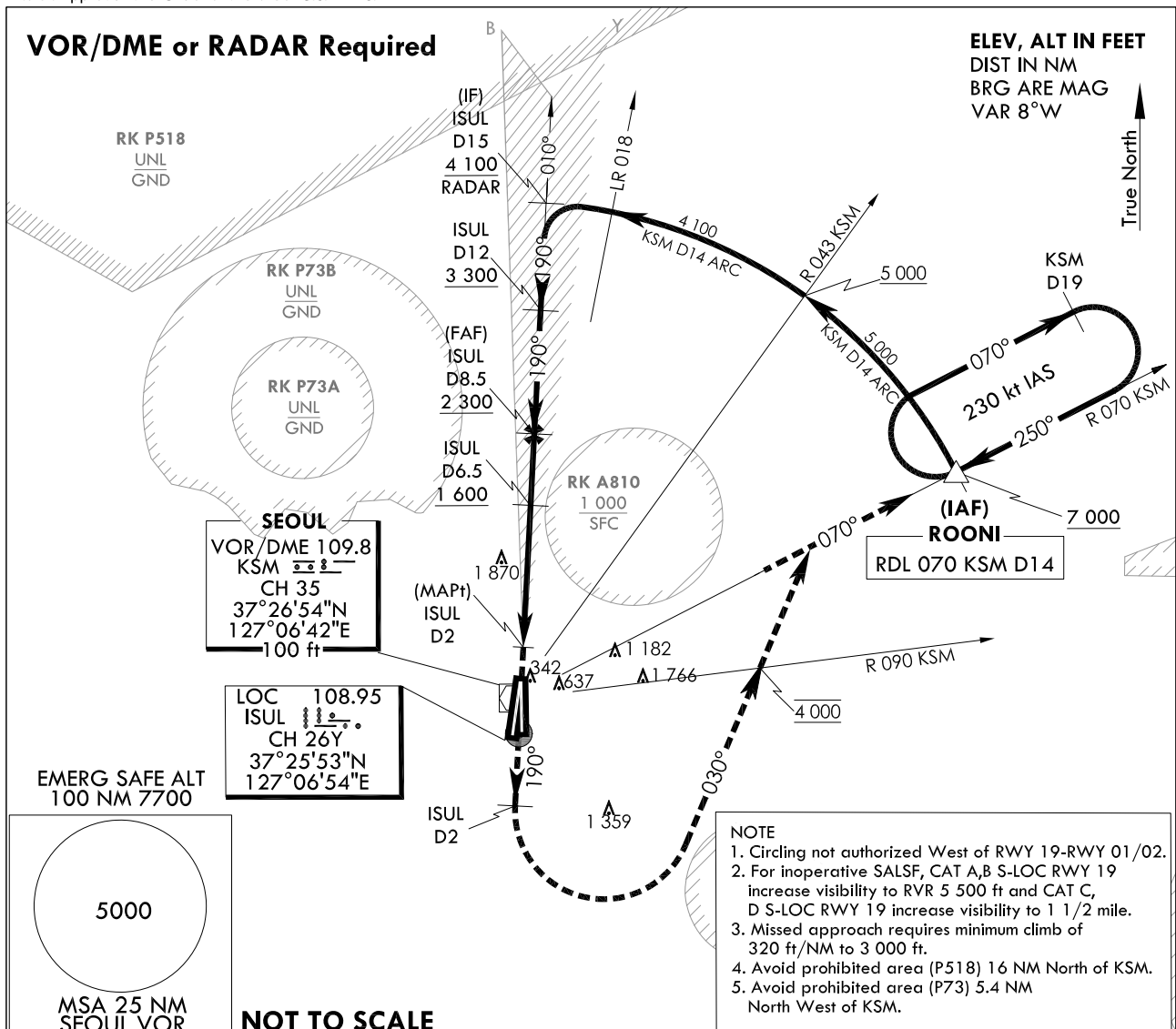
**INSTRUMENT
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CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 68 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
LOC/DME Y
RWY 19

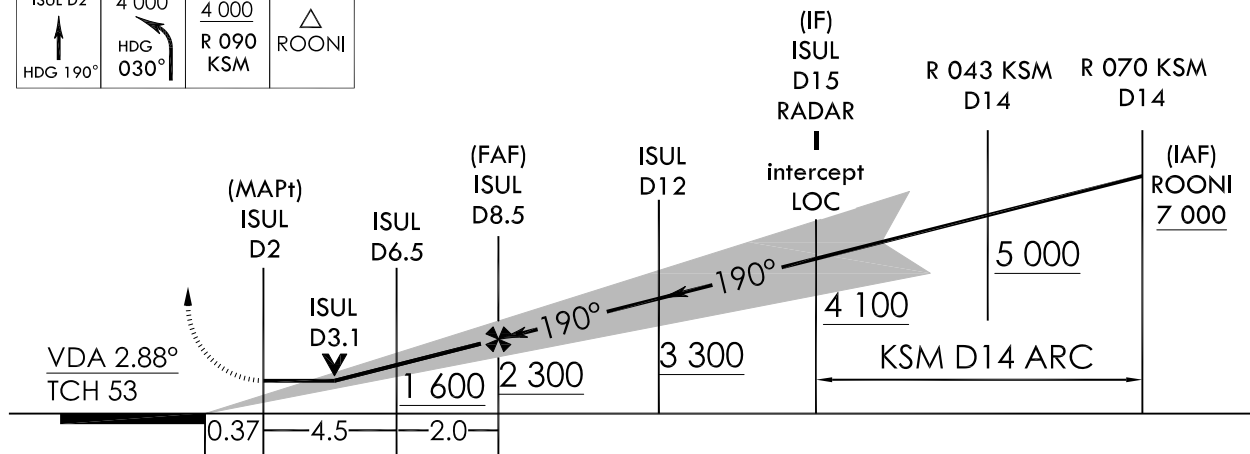
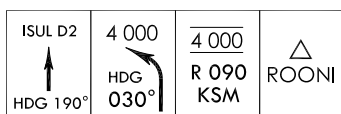
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	320	640	960	1 280	1 590	3 000



CATEGORY	A	B	C	D	E
S-LOC RWY 19	600 / 40 528 (600 - 3/4)		600 - 1 1/4	528 (600 - 1 1/4)	N/A
Circling	1 020 - 1 1/4 927 (1 000 - 1 1/4)		1 560 - 3 1 467 (1 500 - 3)	2 260 - 3 2 167 (2 200 - 3)	N/A

MISSED APPROACH

Climb HDG 190° to ISUL 2DME and climbing left turn HDG 030° to cross R 090 KSM at 4 000 ft, then R 070 KSM to ROONI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended ILS plan view symbol.

INTENTIONALLY

LEFT

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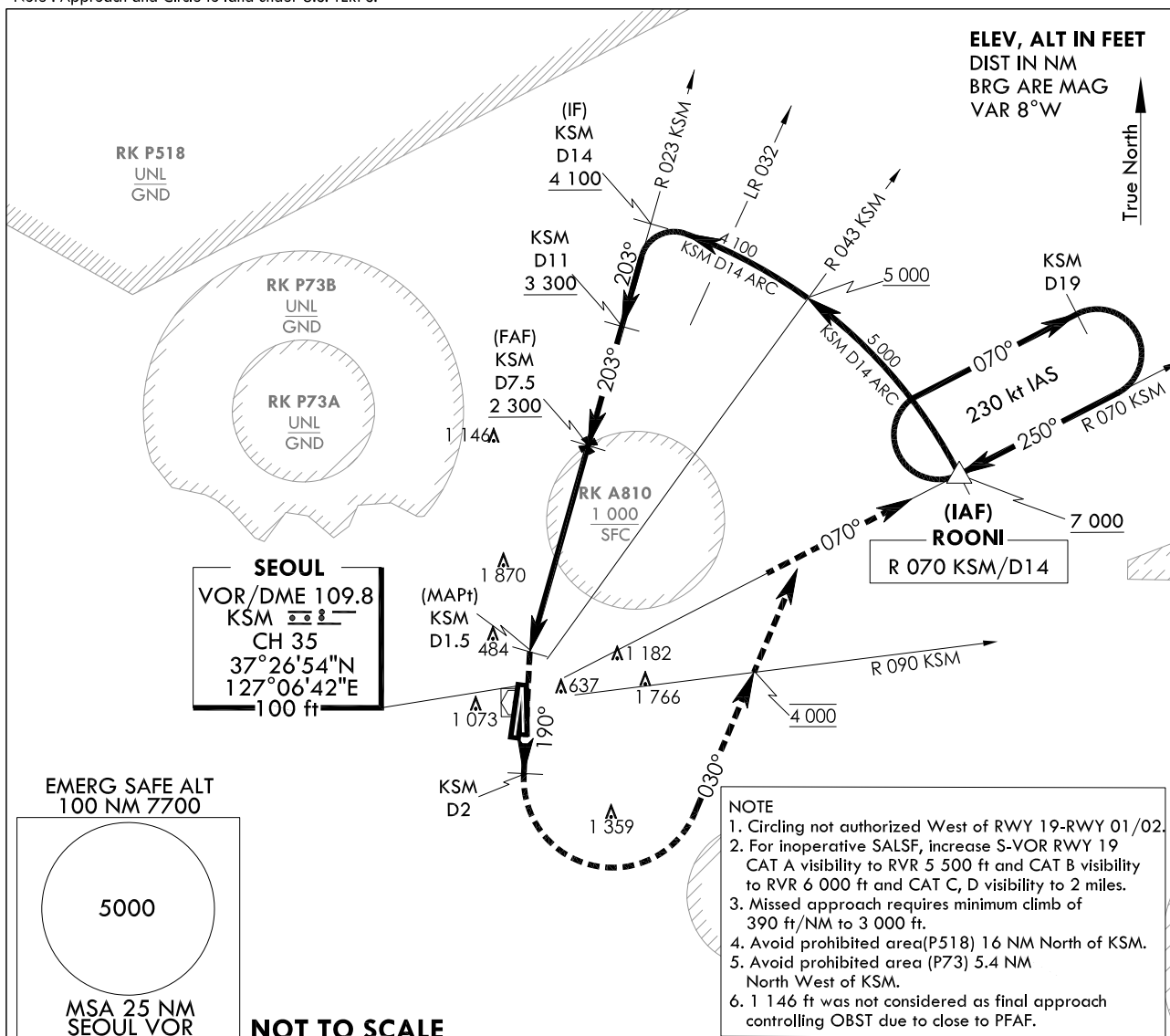
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 68 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
VOR/DME
RWY 19

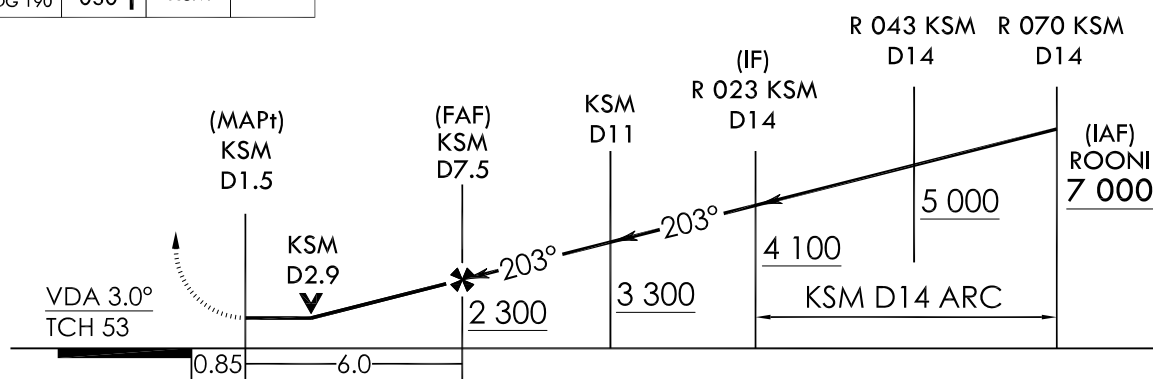
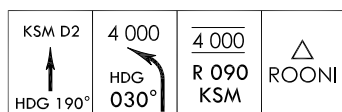
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	390	770	1 150	1 530	1 910	3 000



CATEGORY	A	B	C	D	E
S-VOR RWY 19	820 / 40 748 (800 - 3/4)	820 / 55 748 (800 - 1)	820 - 1 7/8 748 (800 - 1 7/8)		N/A
Circling	1 020 - 1 1/4 927(1 000-1 1/4)		1 560 - 3 1 467(1 500-3)	2 260 - 3 2 167(2 200-3)	N/A

MISSED APPROACH

Climb HDG 190° to KSM 2DME and climbing left turn HDG 030° to cross R 090 KSM at 4 000 ft, then R 070 KSM to ROONI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended coordinate and radial format.

INTENTIONALLY

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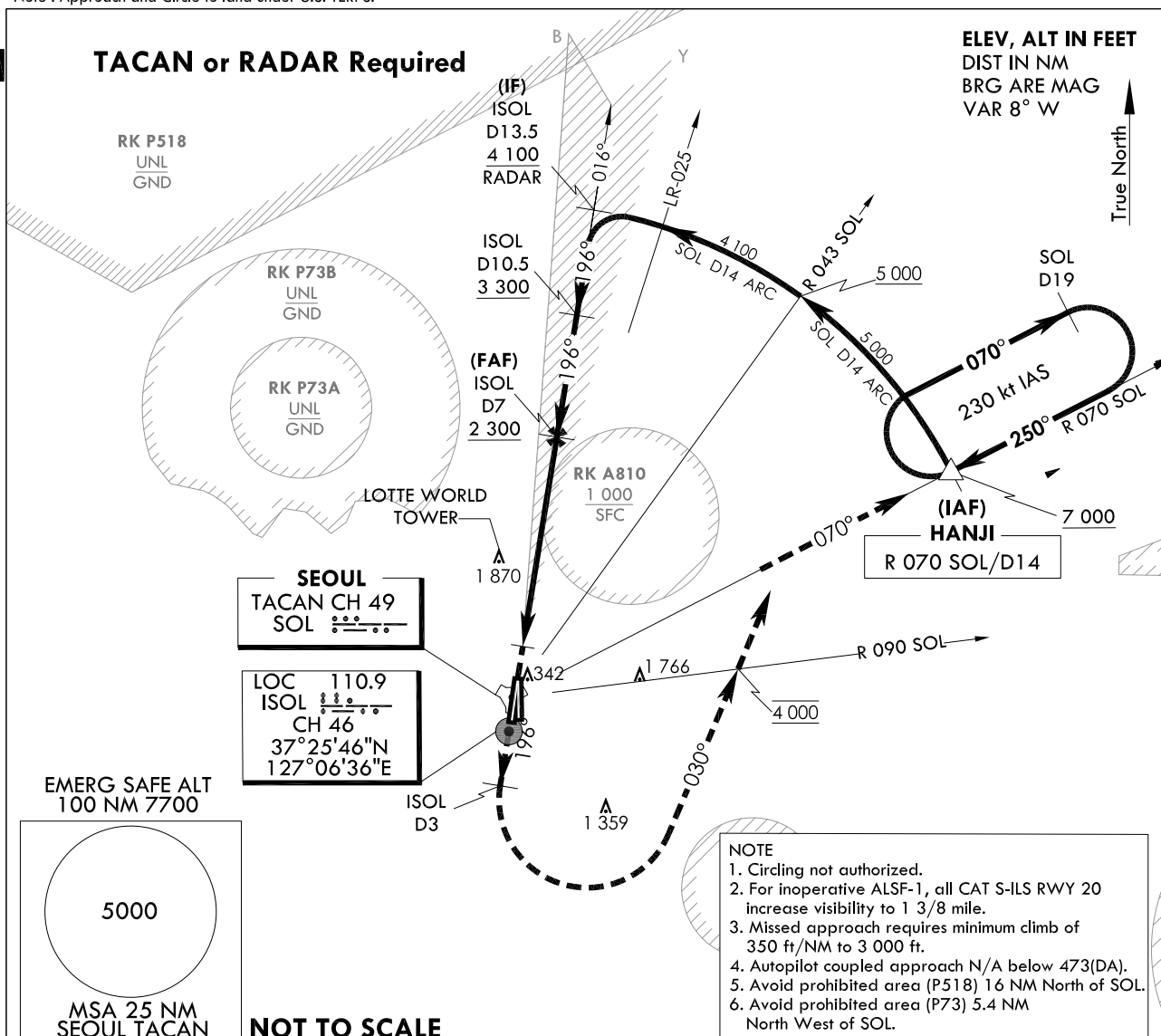
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
ILS Z
RWY 20

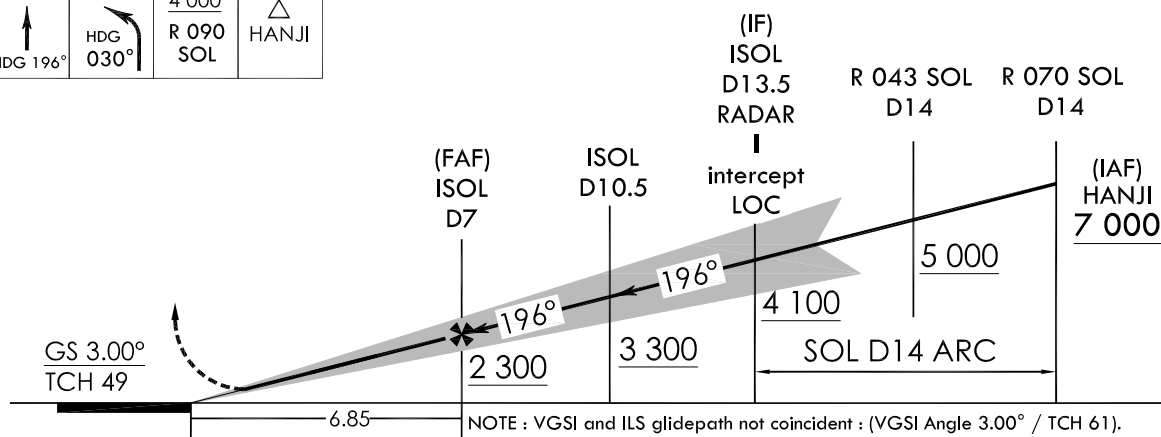
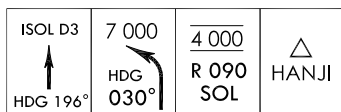
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	350	700	1 050	1 400	1 750	3 000



MISSED APPROACH

Climb HDG 196° to ISOL 3 DME and climbing left turn HDG 030° to cross R 090 SOL at 4 000 ft, then R 070 SOL to HANJI and hold, continue climb-in-holding to 7 000 ft.

CATEGORY	A	B	C	D	E
S-ILS RWY 20		473 / 45	404 (400 - $\frac{7}{8}$)		N/A

Change : Amended phrase(and → or).

INTENTIONALLY

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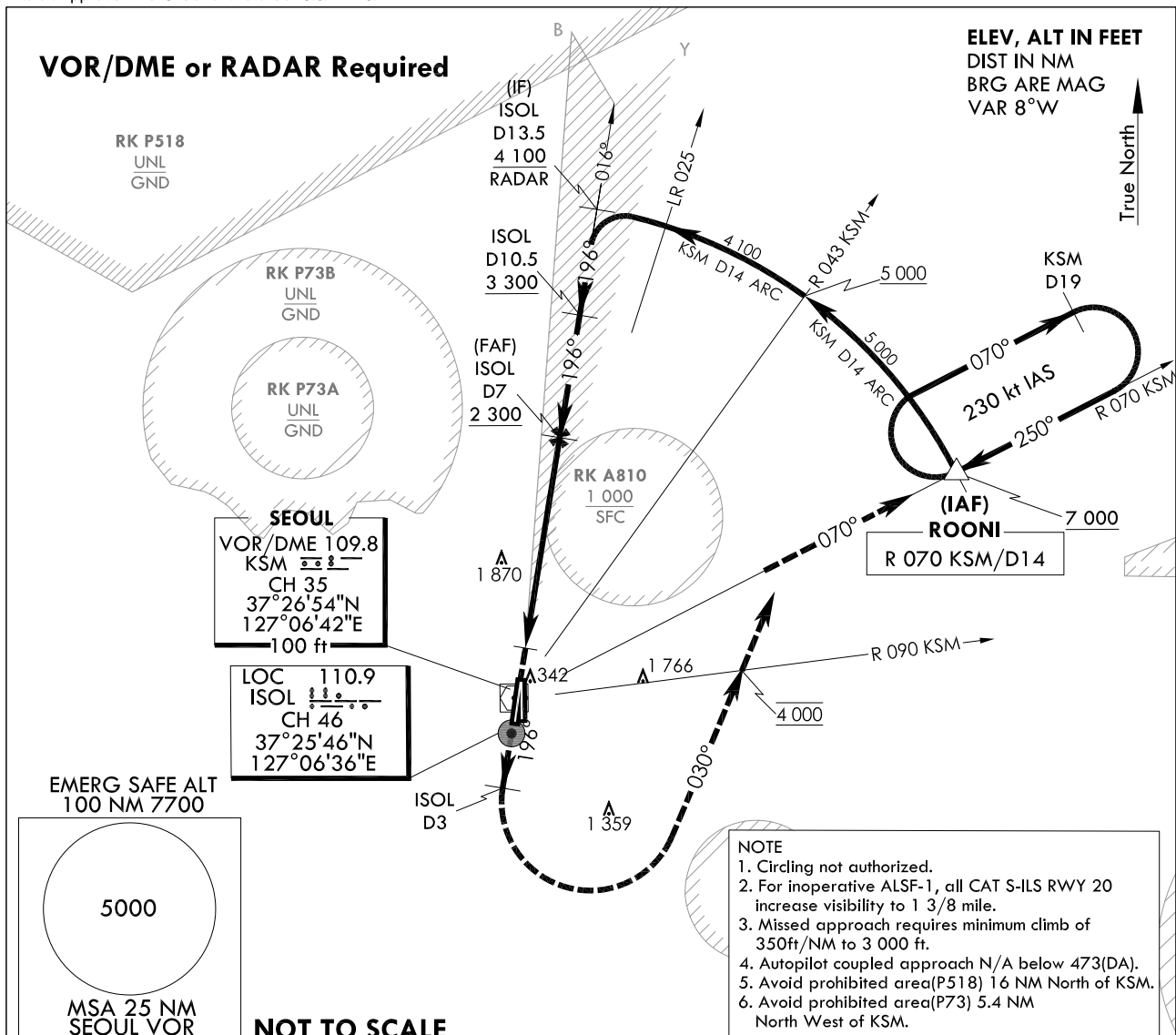
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

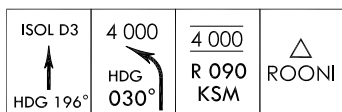
SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
ILS Y
RWY 20

Note : Approach and Circle to land under U.S. TERPS.

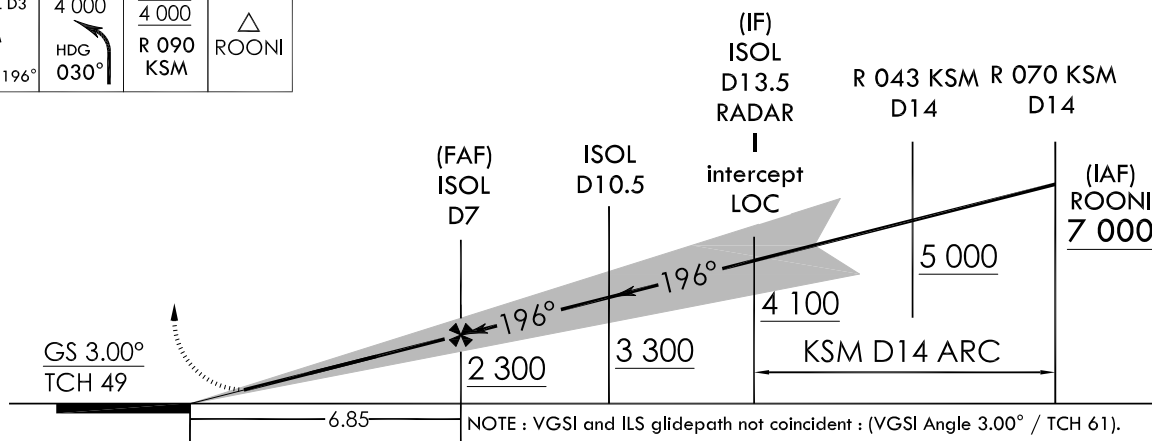


TRANSITION ALT 14 000
TRANSITION LVL FL 140



Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	350	700	1 050	1 400	1 750	3 000



CATEGORY	A	B	C	D	E
S-ILS RWY 20		473 / 45	404 (400 - $\frac{7}{8}$)		N/A

MISSSED APPROACH

Climb HDG 196° to ISOL 3DME and climbing left turn HDG 030° to cross R 090 KSM at 4 000 ft, then R 070 KSM to ROONI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended ILS plan view symbol.

INTENTIONALLY

LEFT

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**INSTRUMENT
APPROACH
CHART**

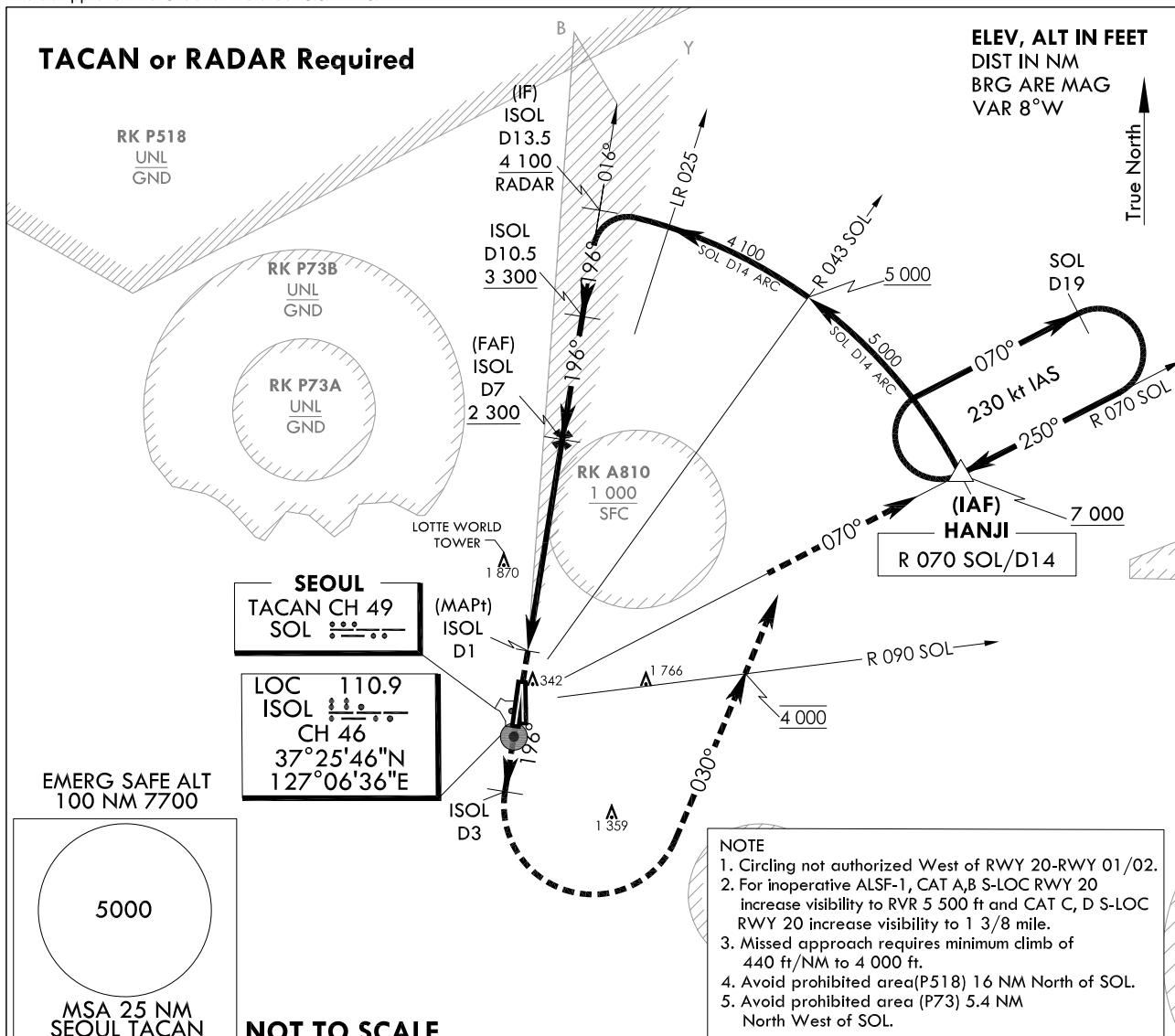
AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
LOC/DME Z
RWY 20

Note : Approach and Circle to land under U.S. TERPS.

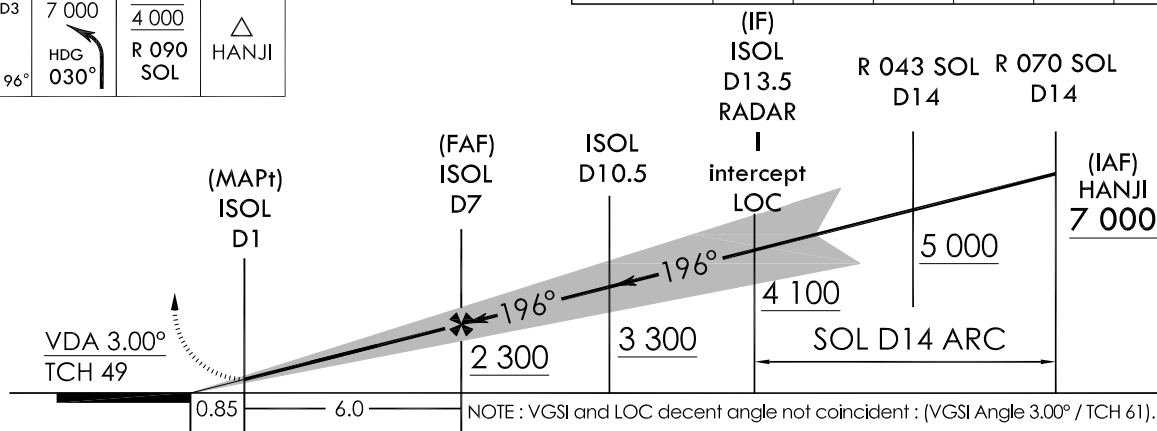
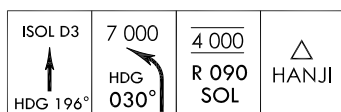
TACAN or RADAR Required



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	440	880	1 320	1 760	2 200	4 000



CATEGORY	A	B	C	D	E
S-LOC RWY 20	520 / 35 451 (500 - 5/8)		520 - 45 451 (500 - 7/8)		N/A
Circling	1 020 - 1 1/4 927(1 000-1 1/4)		1 560 - 3 1 467(1 500-3)	2 260 - 3 2 167(2 200-3)	N/A

MISSED APPROACH

Climb HDG 196° to ISOL 3DME and climbing left turn HDG 030° to cross R 090 SOL at 4 000 ft, then R 070 SOL to HANJI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended ILS plan view symbol.

INTENTIONALLY

LEFT

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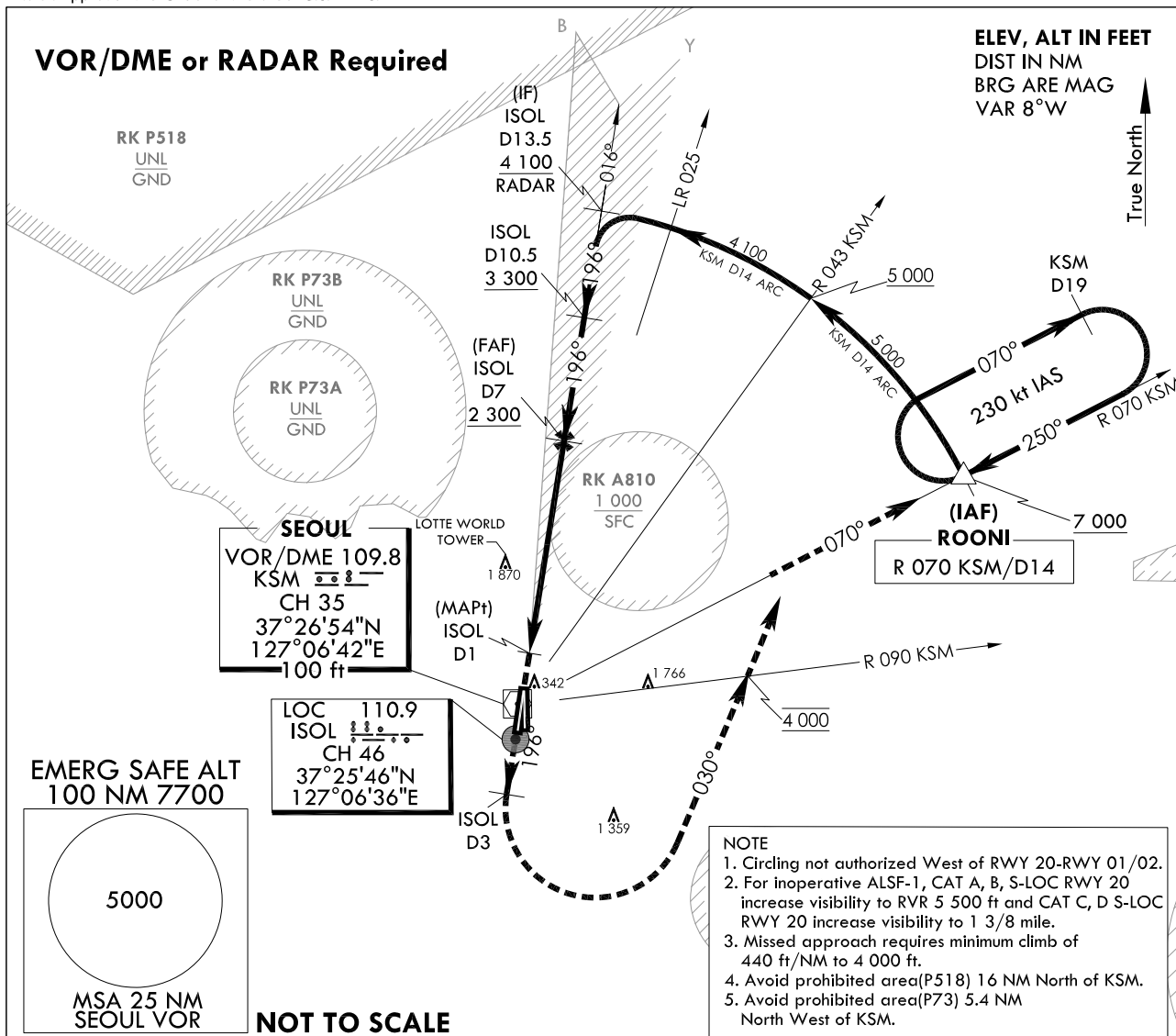
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
LOC/DME Y
RWY 20

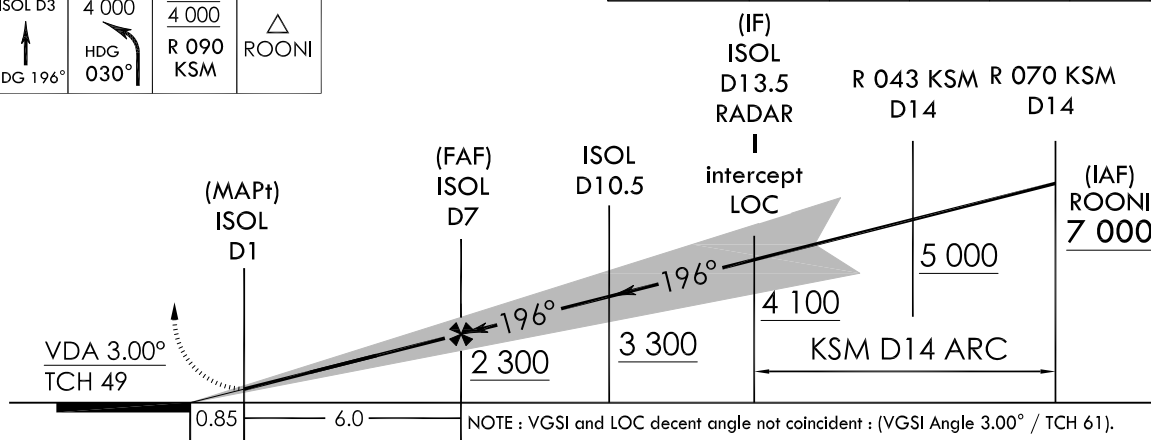
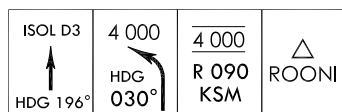
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	440	880	1 320	1 760	2 200	4 000



CATEGORY	A	B	C	D	E
S-LOC RWY 20	520 / 35 451 (500 - 8)		520 - 45 451 (500 - 8)		N/A
Circling	1 020 - 1 1/4 927 (1 000 - 1 1/4)		1 560 - 3 1 467 (1 500-3)	2 260 - 3 2 167 (2 200-3)	N/A

MISSED APPROACH

Climb HDG 196° to ISOL 3DME and climbing left turn HDG 030° to cross R 090 KSM at 4 000 ft, then R 070 KSM to ROONI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended ILS plan view symbol.

INTENTIONALLY

LEFT

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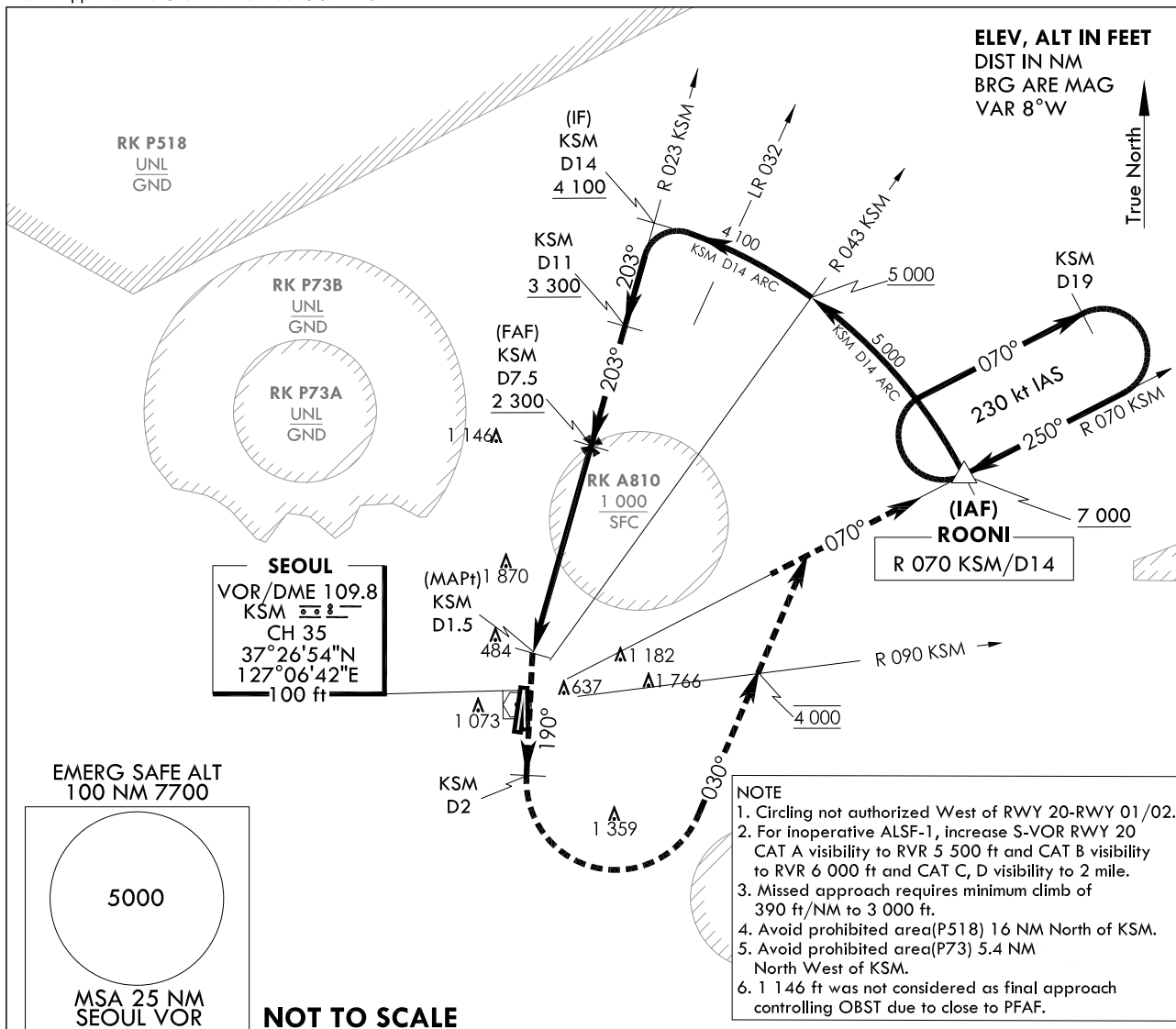
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
VOR/DME
RWY 20

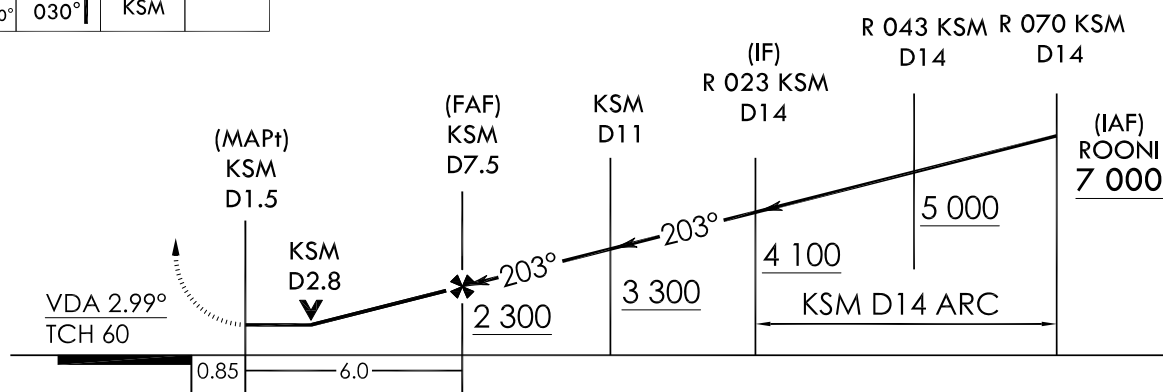
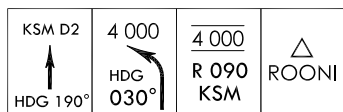
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	390	770	1 150	1 530	1 910	3 000



CATEGORY	A	B	C	D	E
S-VOR RWY 20	820 / 35 751 (800 - 3/8)	820 / 40 751 (800 - 3/4)	820 - 1 3/4 751 (800 - 1 3/4)		N/A
Circling	1 020 - 1 1/4 927 (1 000 - 1 1/4)		1 560 - 3 1 467 (1 500 - 3)	2 260 - 3 2 167 (2 200 - 3)	N/A

MISSED APPROACH

Climb HDG 190° to KSM 2DME and climbing left turn HDG 030° to cross R 090 KSM at 4 000 ft, then R 070 KSM to ROONI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended coordinate and radial format.

INTENTIONALLY

LEFT

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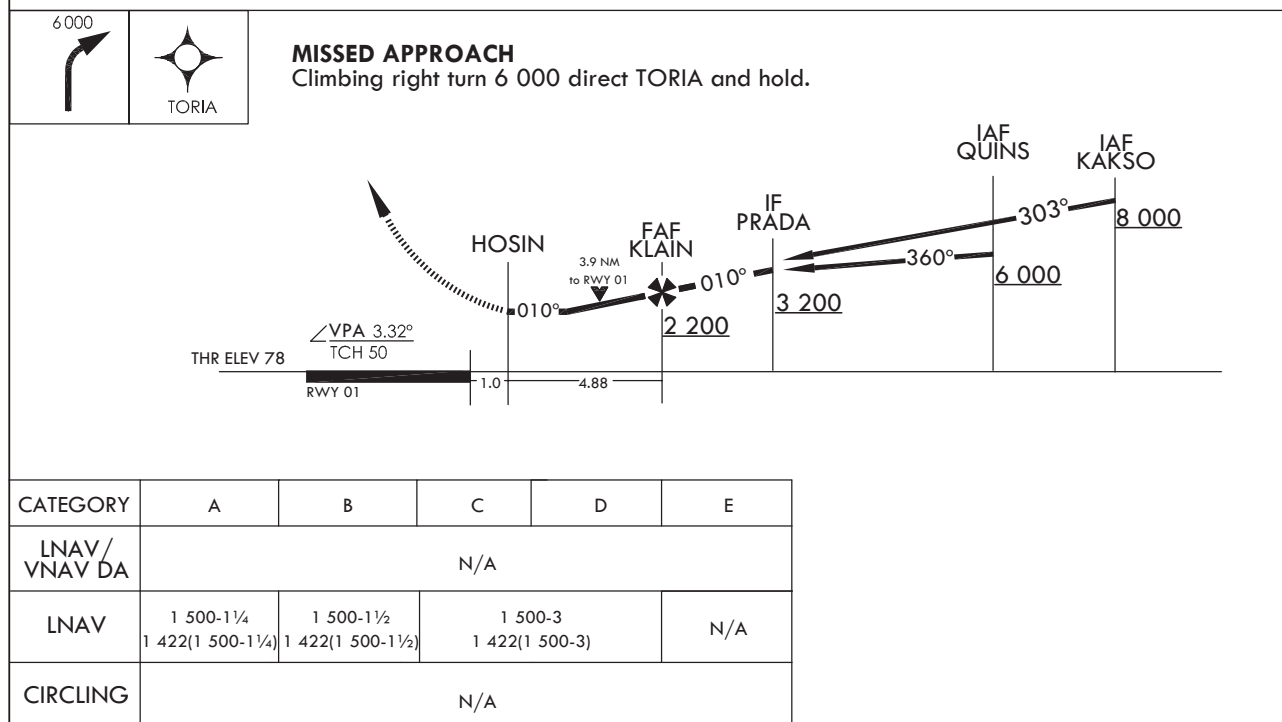
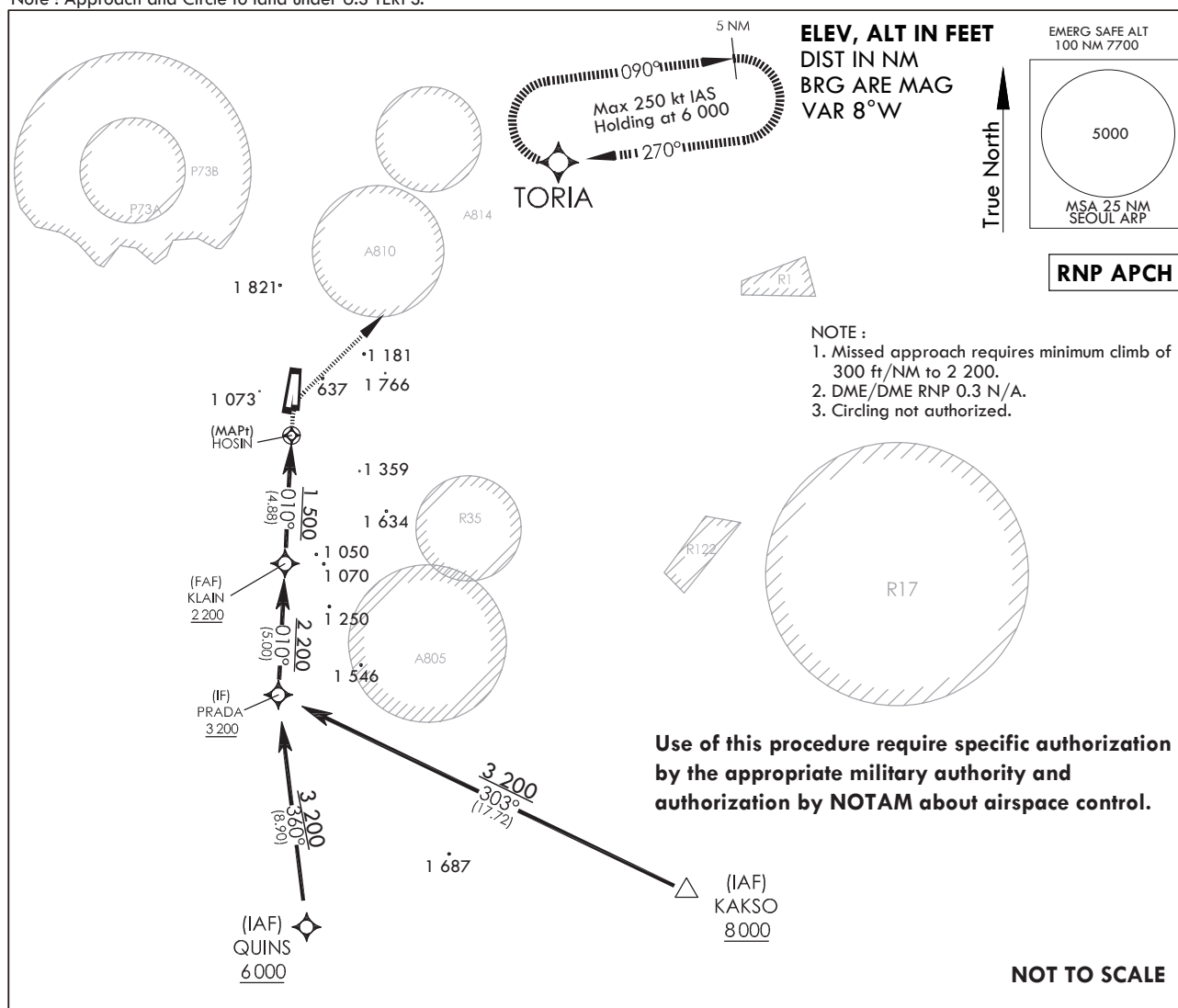
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV **94 ft**
HEIGHTS RELATED TO
THR RWY 01 - ELEV **78 ft**

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
236.6 234.5

SEOUL/Seoul (RKSM)
RNP RWY 01

Note : Approach and Circle to land under U.S TERPS.



CATEGORY	A	B	C	D	E
LNAV/ VNAV DA	N/A				
LNAV	1 500-1¼ 1 422(1 500-1¼)	1 500-1½ 1 422(1 500-1½)	1 500-3 1 422(1 500-3)	N/A	
CIRCLING	N/A				

Change : Amended procedure name(RNAV(GNSS) → RNP).

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 01(From QUINS)

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	IF	QUINS	-	-	-	-	+6 000	-	37°06'20.2845"N 127°08'01.9225"E	-	RNPAPCH	IAF
002	TF	PRADA	-	359.9°/351.9°	8.9	-	+3 200	-	37°15'09.3930"N 127°06'28.1856"E	-	RNPAPCH	IF
003	TF	KLAIN	-	9.8°/1.8°	5	-	+2 200	-	37°20'09.6309"N 127°06'39.9962"E	-	RNPAPCH	FAF
004	TF	HOSIN	Y	9.8°/1.8°	4.88	-	+1 500	-	37°25'02.5948"N 127°06'51.5321"E	3.32°/50	RNPAPCH	MAPt
005	DF	TORIA	-	-	-	R	6 000	-	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	-
006	HM	TORIA	-	270.0°/262.0°	5	R	@6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

RNP RWY 01(From KAKSO)

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	IF	KAKSO	-	-	-	-	+8 000	-	37°07'45"N 127°26'37"E	-	RNPAPCH	IAF
002	TF	PRADA	-	302.8°/294.8°	17.72	-	+3 200	-	37°15'09.3930"N 127°06'28.1856"E	-	RNPAPCH	IF
003	TF	KLAIN	-	9.8°/1.8°	5	-	+2 200	-	37°20'09.6309"N 127°06'39.9962"E	-	RNPAPCH	FAF
004	TF	HOSIN	Y	9.8°/1.8°	4.88	-	+1 500	-	37°25'02.5948"N 127°06'51.5321"E	3.32°/50	RNPAPCH	MAPt
005	DF	TORIA	-	-	-	R	6 000	-	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	-
006	HM	TORIA	-	270.0°/262.0°	5	R	@6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

Change : Amended procedure name(RNAV(GNSS) → RNP).

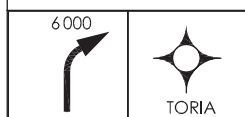
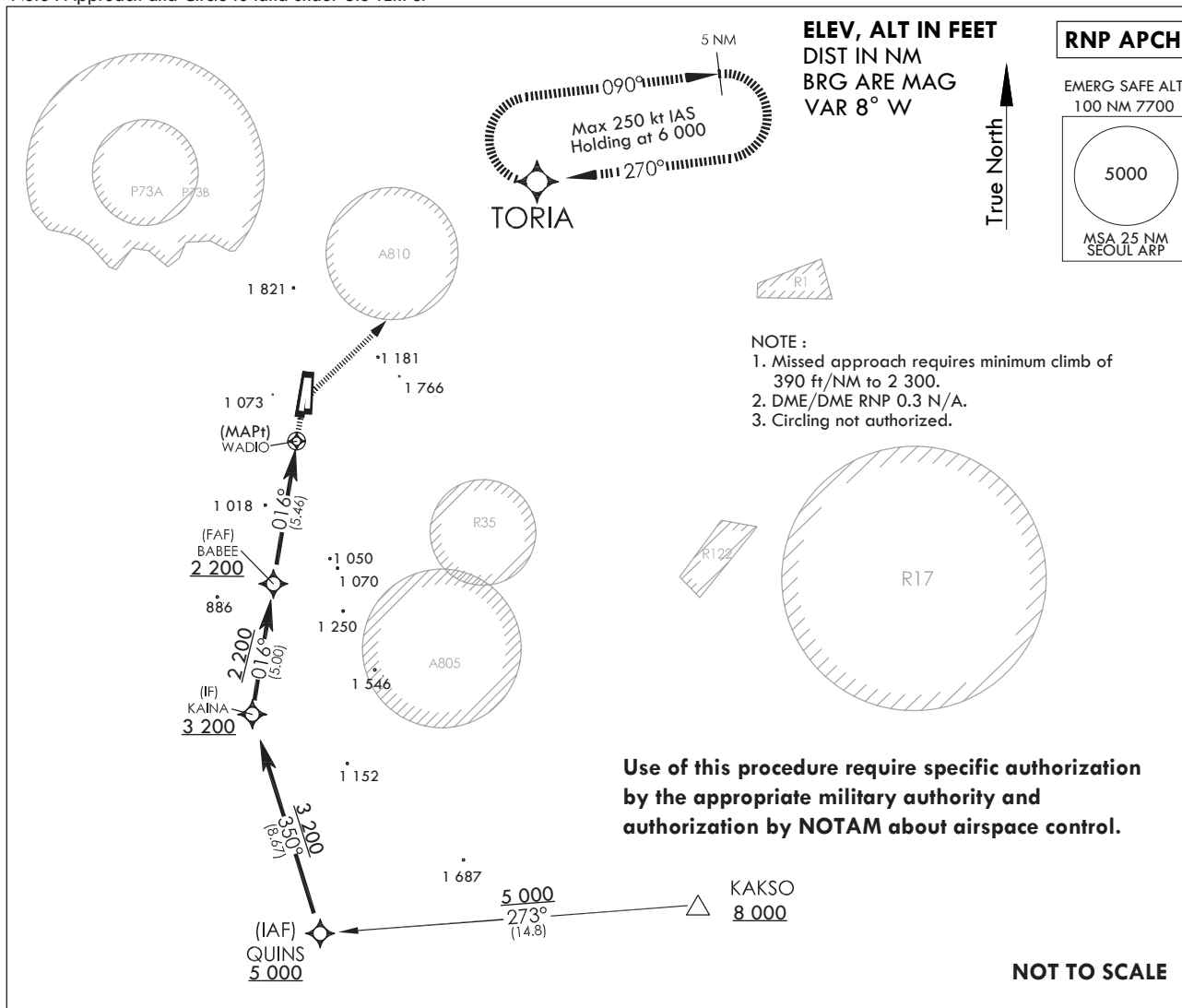
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV **94 ft**
HEIGHTS RELATED TO
THR RWY 02 - ELEV **94 ft**

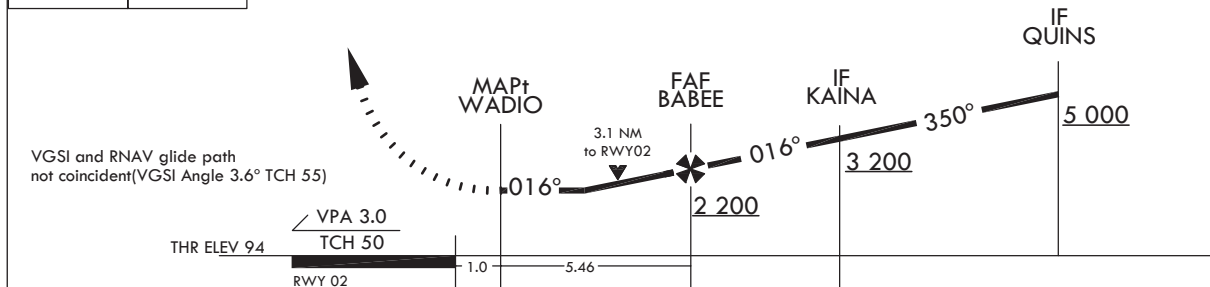
SEOUL APP 123.8 363.8
SEOUL TWR 126.2
236.6 234.5

SEOUL/Seoul (RKSM)
RNP RWY 02

Note : Approach and Circle to land under U.S TERPS.



MISSED APPROACH
Climbing right turn 6 000 ft direct TORIA and hold.



CATEGORY	A	B	C	D	E
LNAV/ VNAV DA	N/A				N/A
LNAV	1 240-1½ 1 146(1 200-1½)	1 240-1½ 1 146(1 200-1½)	1 240-3 1 146(1 200-3)		N/A
CIRCLING	N/A				

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 02

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	IF	QUINS	-	-	-	-	+5 000	-	37°06'20.2845"N 127°08'01.9225"E	-	RNPAPCH	IAF
002	TF	KAINA	-	349.67°/ 341.67°	8.67	-	+3 200	-	37°14'34.8404"N 127°04'36.9589"E	-	RNPAPCH	IF
003	TF	BABEE	-	16.07°/ 8.07°	5	-	+2 200	-	37°19'32.2479"N 127°05'29.7485"E	-	RNPAPCH	FAF
004	TF	WADIO	Y	16.10°/ 8.10°	5.46	-	+1 240	-	37°24'57.1290"N 127°06'27.5325"E	3.0°/50	RNPAPCH	MAPt
005	DF	TORIA	-	-	-	R	@6 000	-	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	-
006	HM	TORIA	-	270.0°/262.0°	5	R	@6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

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	KAKSO	-	-	-	-	+8 000	-	37°07'45"N 127°26'37"E	-	RNAV1	EN ROUTE
002	TF	QUINS	-	272.67°/ 264.67°	14.93	-	+5 000	-	37°06'20.2845"N 127°08'01.9225"E	-	RNPAPCH	IAF

Change : Amended phrase(VPA/TCH 3.32°/50 → 3.0°/50).

**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 94 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
236.6 234.5

**SEOUL/Seoul (RKSM)
RNP RWY 19**

Note : Approach and Circle to land under U.S TERPS.

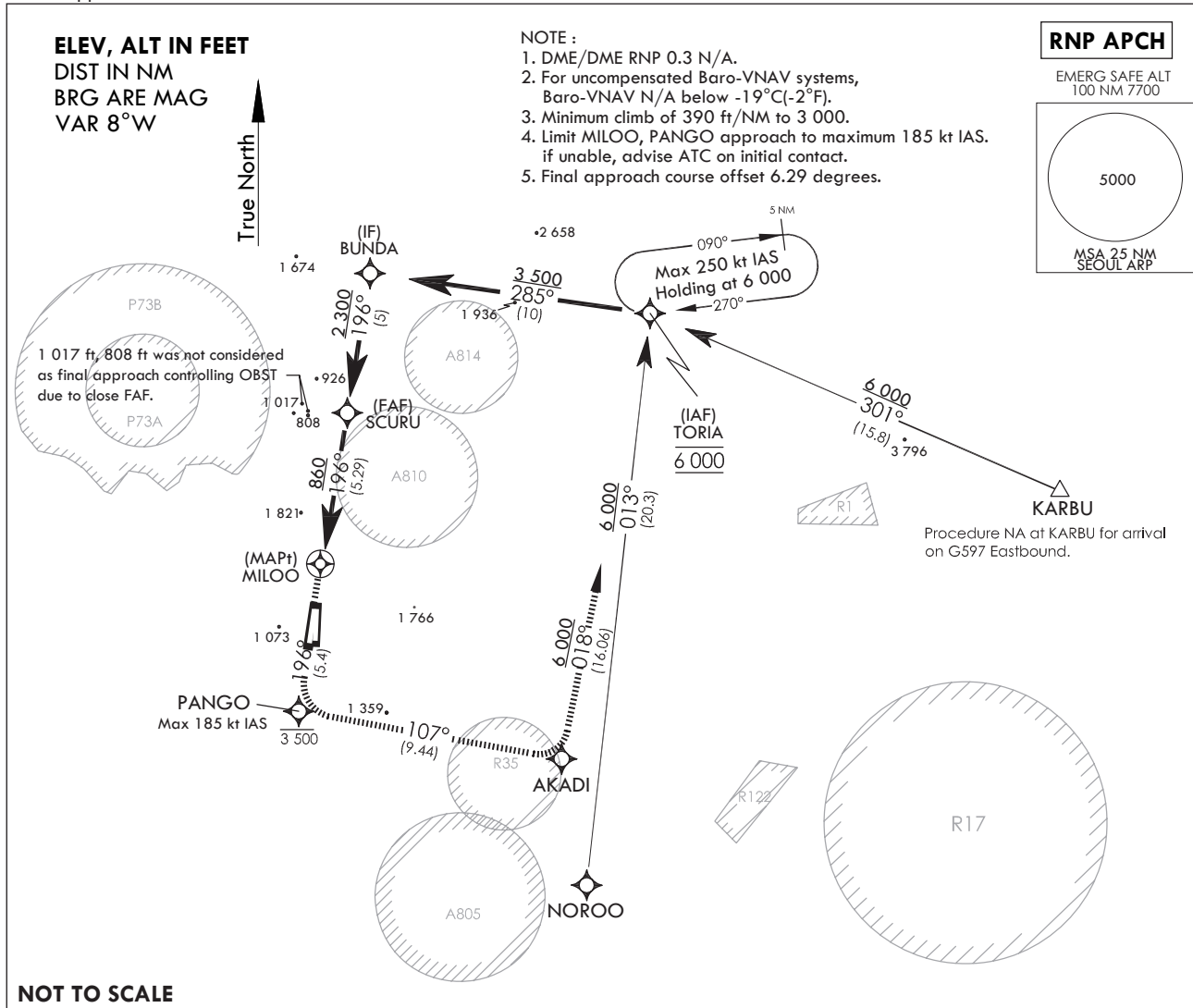
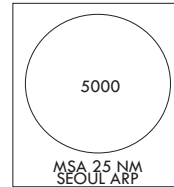
**ELEV, ALT IN FEET
DIST IN NM
BRG ARE MAG
VAR 8°W**

NOTE :

1. DME/DME RNP 0.3 N/A.
2. For uncompensated Baro-VNAV systems, Baro-VNAV N/A below -19°C(-2°F).
3. Minimum climb of 390 ft/NM to 3 000.
4. Limit MILOO, PANGO approach to maximum 185 kt IAS. if unable, advise ATC on initial contact.
5. Final approach course offset 6.29 degrees.

RNP APCH

EMERG SAFE ALT
100 NM 7700

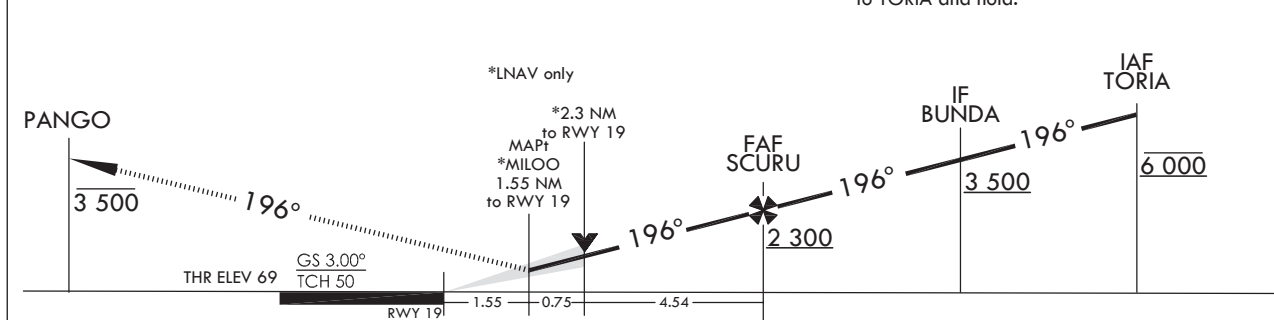


NOT TO SCALE

*MILOO *LNAV only	TRK 196°	PANGO	TRK 107°	AKADI	TRK 018°	TORIA

MISSED APPROACH

Climb on track 196° to cross PANGO at or below 3 500, then climbing left turn to 6 000 track 107° to AKADI, then left turn track 018° to TORIA and hold.



CATEGORY	A	B	C	D	E
LNAV/ VNAV DA		711-2½	642(700-2½)		N/A
LNAV MDA		860-2½	791(800-2½)		N/A
CIRCLING	1 020-2½	926(1 000-2½)	1 560-3 1 466(1 500-3)	2 260-3 2 166(2 200-3)	N/A

Change : Amended procedure name(RNAV(GNSS) → RNP).

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 19

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	IF	TORIA	-	-	-	-	@6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	IAF
002	TF	BUNDA	-	285.1°/277.1°	10	-	+3 500	-250	37°39'16.2513"N 127°09'00.8555"E	-	RNPAPCH	IF
003	TF	SCURU	-	196.1°/188.1°	5	-	+2 300	-165	37°34'18.8855"N 127°08'07.7311"E	-	RNPAPCH	FAF
004	TF	MILOO	Y	196.1°/188.1°	5.29	-	+860	-165	37°29'04.2951"N 127°07'11.5747"E	3.0°/50	RNPAPCH	MAPt
005	TF	PANGO	-	196.1°/188.1°	5.4	-	-3 500	-185	37°23'43.154"N 127°06'14.3668"E	-	RNPAPCH	-
006	TF	AKADI	-	107.1°/099.1°	9.44	-	6 000	-250	37°22'13.0036"N 127°17'56.0695"E	-	RNPAPCH	-
007	TF	TORIA	-	018.2°/10.2°	16.06	-	+6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	-
008	HM	TORIA	-	270.0°/262.0°	-	R	@6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

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	KARBU	-	-	-	-	-	-	37°31'59"N 127°39'52"E	-	RNAV1	FEEDER ROUTE
002	HM	TORIA	-	300.6°/292.6°	15.8	-	+6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

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	NOROO	-	-	-	-	-	-	37°17'45.54"N 127°19'08.61"E	-	RNAV1	FEEDER ROUTE
002	HM	TORIA	-	13.3°/5.3°	20.34	-	+6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

Change : Amended procedure name(RNAV(GNSS) → RNP).

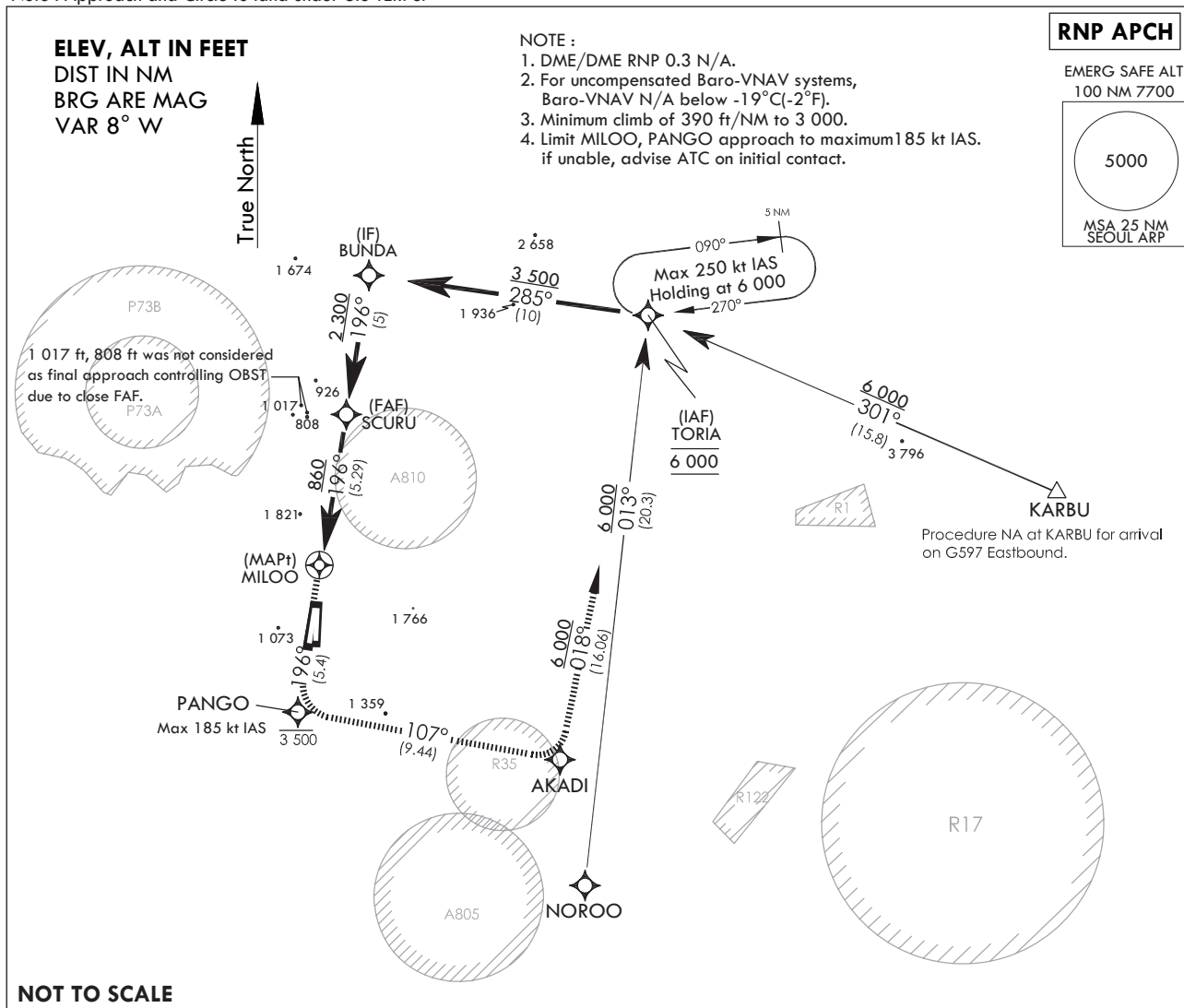
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV **94** ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV **70** ft

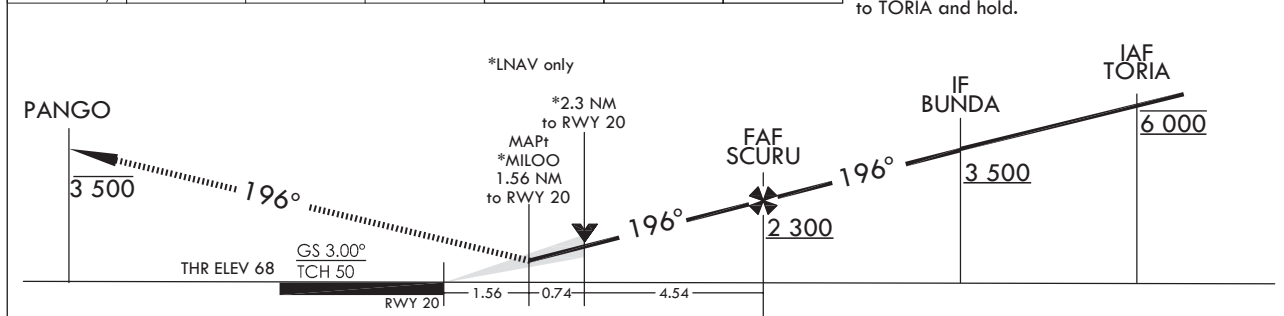
SEOUL APP 123.8 363.8
SEOUL TWR 126.2
236.6 234.5

SEOUL/Seoul (RKSM)
RNP RWY 20

Note : Approach and Circle to land under U.S TERPS.



							MISSED APPROACH Climb on track 196° to cross PANGO at or below 3 500 ft, then climbing left turn to 6 000 ft track 107° to AKADI, then left turn track 018° to TORIA and hold.
*MILOO *LNAV only	TRK 196°	PANGO	TRK 107°	AKADI	TRK 018°	TORIA	



CATEGORY	A	B	C	D	E
LANV/ VNAV DA		711-2½	641(700-2½)		N/A
LNAV MDA		860-2½	790(800-2½)		N/A
CIRCLING	1 020-2½	926(1 000-2½)	1 560-3 1 466(1 500-3)	2 260-3 2 166(2 200-3)	N/A

Change : Amended procedure name(RNAV(GNSS) → RNP).

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 20

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	IF	TORIA	-	-	-	-	@6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	IAF
002	TF	BUNDA	-	285.1°/277.1°	1.0	-	+3 500	-250	37°39'16.2513"N 127°09'00.8555"E	-	RNPAPCH	IF
003	TF	SCURU	-	196.1°/188.1°	5	-	+2 300	-165	37°34'18.8855"N 127°08'07.7311"E	-	RNPAPCH	FAF
004	TF	MILOO	Y	196.1°/188.1°	5.29	-	+860	-165	37°29'04.2951"N 127°07'11.5747"E	3.0°/50	RNPAPCH	MAPt
005	TF	PANGO	-	196.1°/188.1°	5.4	-	-3 500	-185	37°23'43.154"N 127°06'14.3668"E	-	RNPAPCH	-
006	TF	AKADI	-	107.1°/099.1°	9.44	-	6 000	-250	37°22'13.0036"N 127°17'56.0695"E	-	RNPAPCH	-
007	TF	TORIA	-	018.2°/10.2°	16.058	-	+6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	-
008	HM	TORIA	-	270.0°/262.0°	-	R	@6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

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	KARBU	-	-	-	-	-	-	37°31'59"N 127°39'52"E	-	RNAV1	FEEDER ROUTE
002	HM	TORIA	-	300.6°/292.6°	15.8	-	+6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

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	NOROO	-	-	-	-	-	-	37°17'45.54"N 127°19'08.61"E	-	RNAV1	FEEDER ROUTE
002	HM	TORIA	-	13.3°/5.3°	20.34	-	+6 000	-250	37°38'02.3748"N 127°21'30.6133"E	-	RNPAPCH	HOLDING 5NM LEG

Change : Amended procedure name(RNAV(GNSS) → RNP).

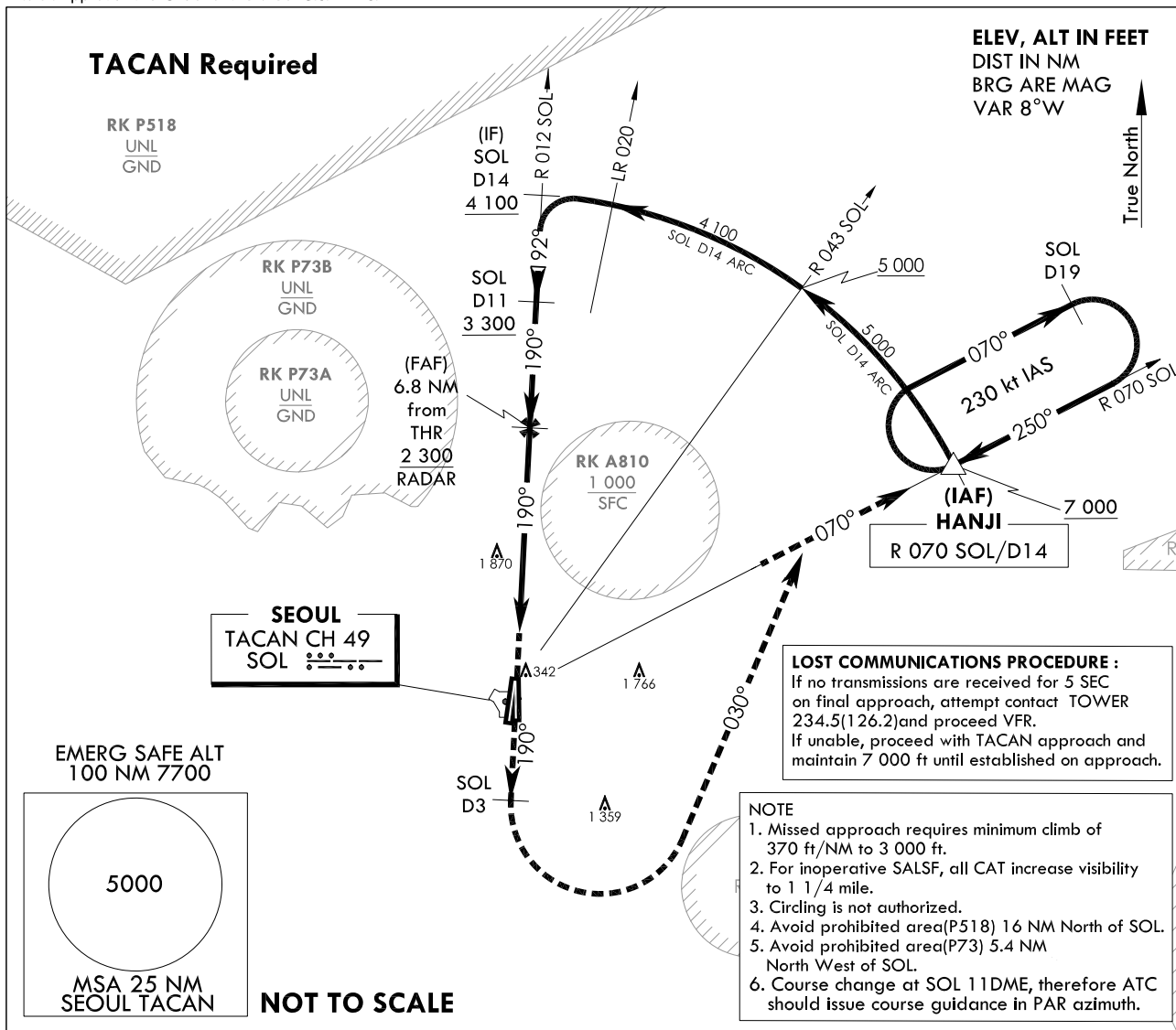
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 68 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
PAR Z
RWY 19

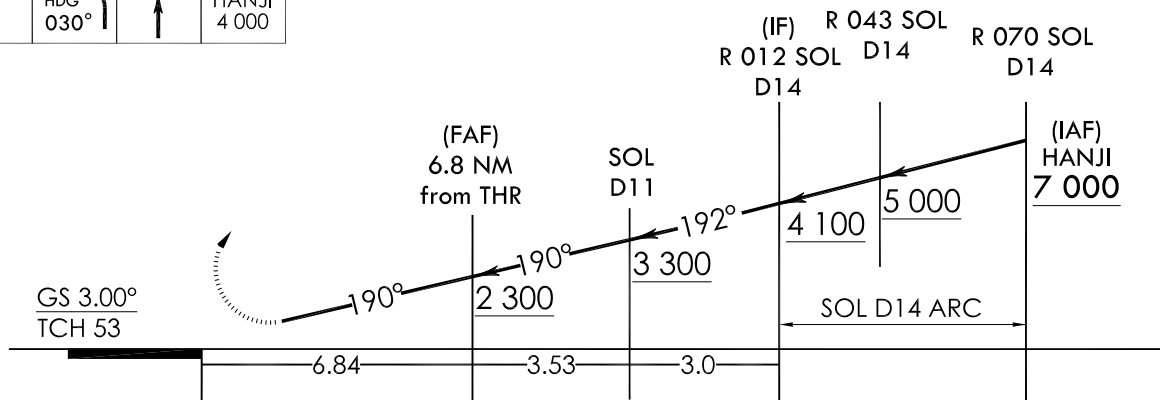
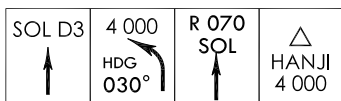
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	370	740	1 110	1 480	1 850	3 000



MISSED APPROACH

Climb to 4 000 ft via HDG 190° to
SOL 3DME and climbing left turn HDG 030°
to intercept R 070 SOL, then climb to
7 000 ft on R 070 SOL to HANJI and hold,
continue climb-in-holding to 7 000 ft.

CATEGORY	A	B	C	D	E
S-PAR RWY 19		465 / 55	393 (400 - 1)		

Change : Amended radial format.

INTENTIONALLY

LEFT

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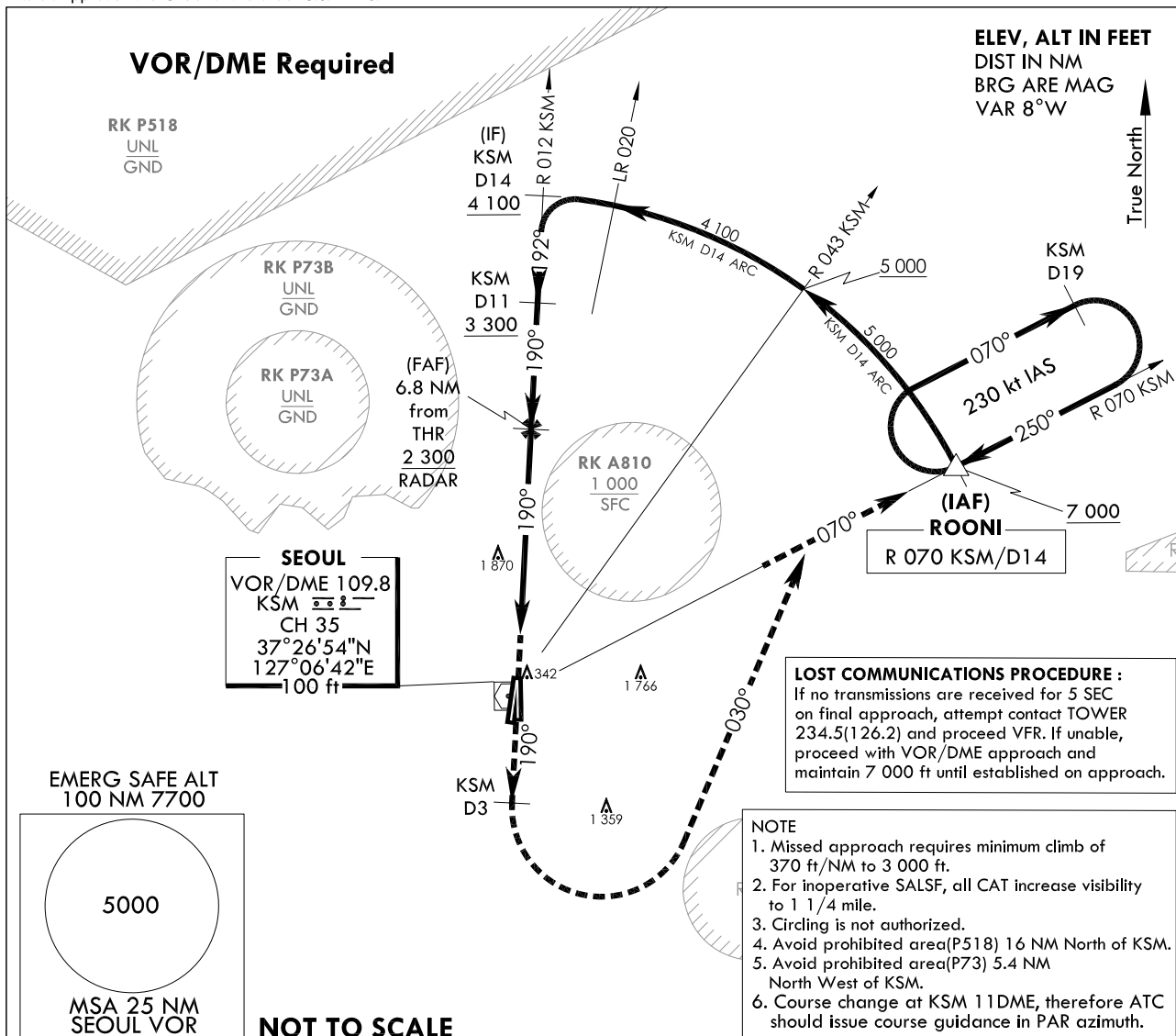
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 68 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
PAR Y
RWY 19

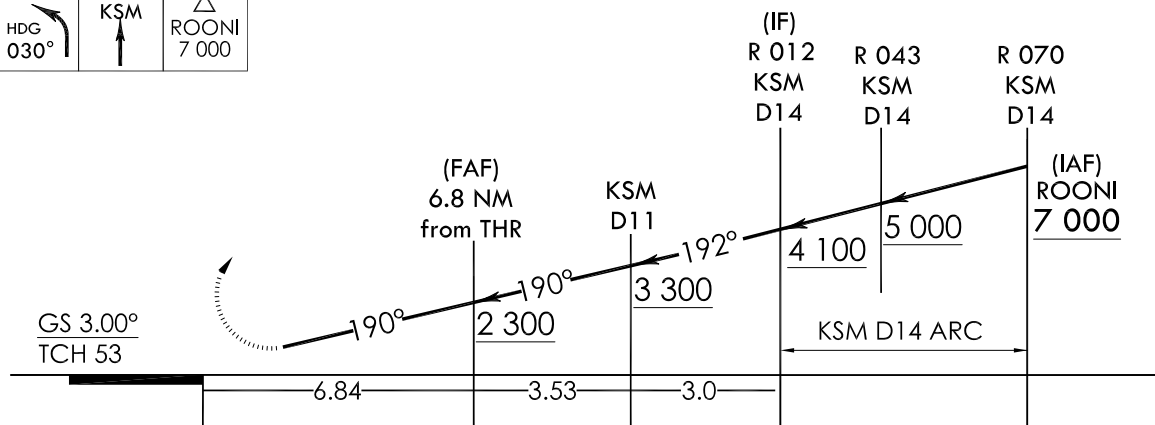
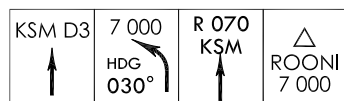
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	370	740	1 110	1 480	1 850	3 000



MISSED APPROACH

Climb to 4 000 ft via HDG 190° to KSM 3DME and climbing left turn HDG 030° to intercept R 070 KSM, then climb to 7 000 ft on R 070 KSM to ROONI and hold, continue climb-in-holding to 7 000 ft.

CATEGORY	A	B	C	D	E
S-PAR RWY 19		465 / 55	393 (400 - 1)		

Change : Amended coordinate and radial format.

INTENTIONALLY

LEFT

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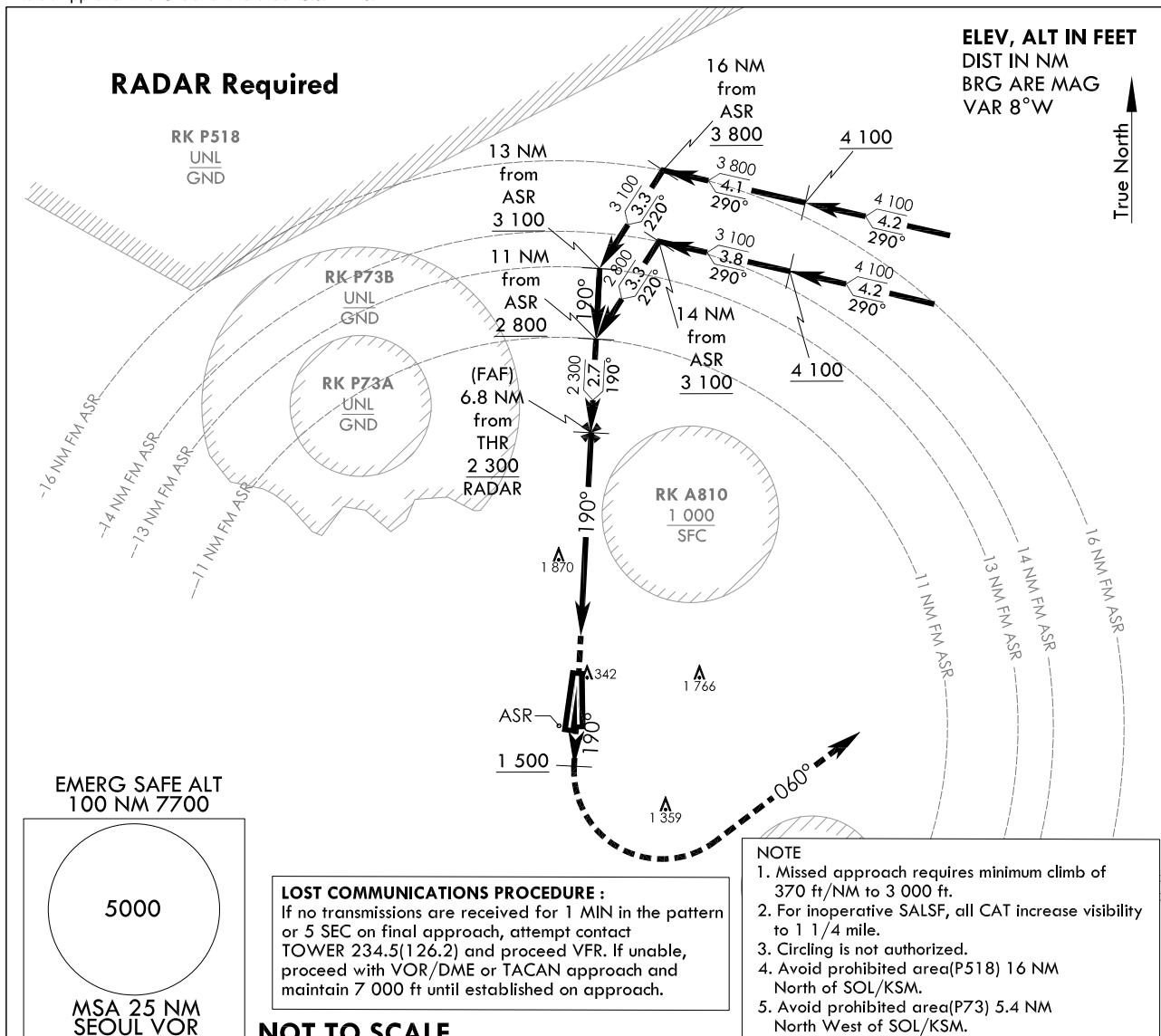
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 68 ft

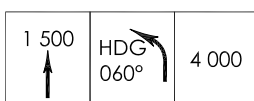
SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
PAR X
RWY 19

Note : Approach and Circle to land under U.S. TERPS.

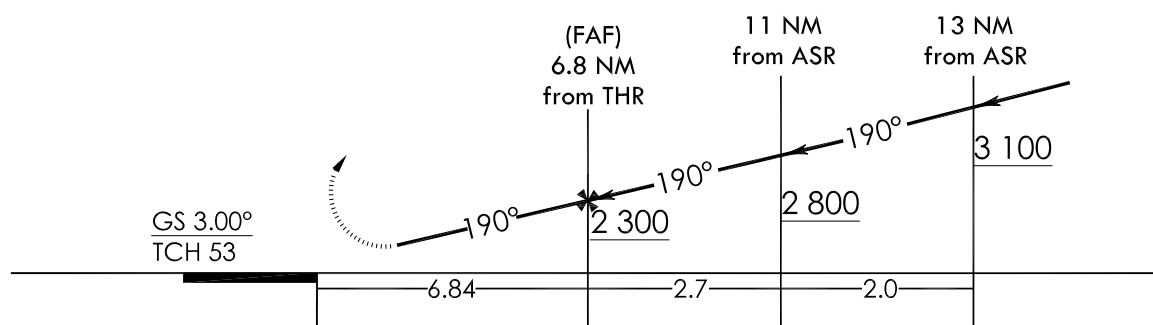


TRANSITION ALT 14 000
TRANSITION LVL FL 140



Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	370	740	1 110	1 480	1 850	3 000



CATEGORY	A	B	C	D	E
S-PAR RWY 19		465 / 55	393 (400 - 1)		

MISSED APPROACH

Climb HDG 190° to 1 500 ft and climbing left turn HDG 060° to 4 000 ft and directed by ATC.

Change : Information of procedure.

INTENTIONALLY

LEFT

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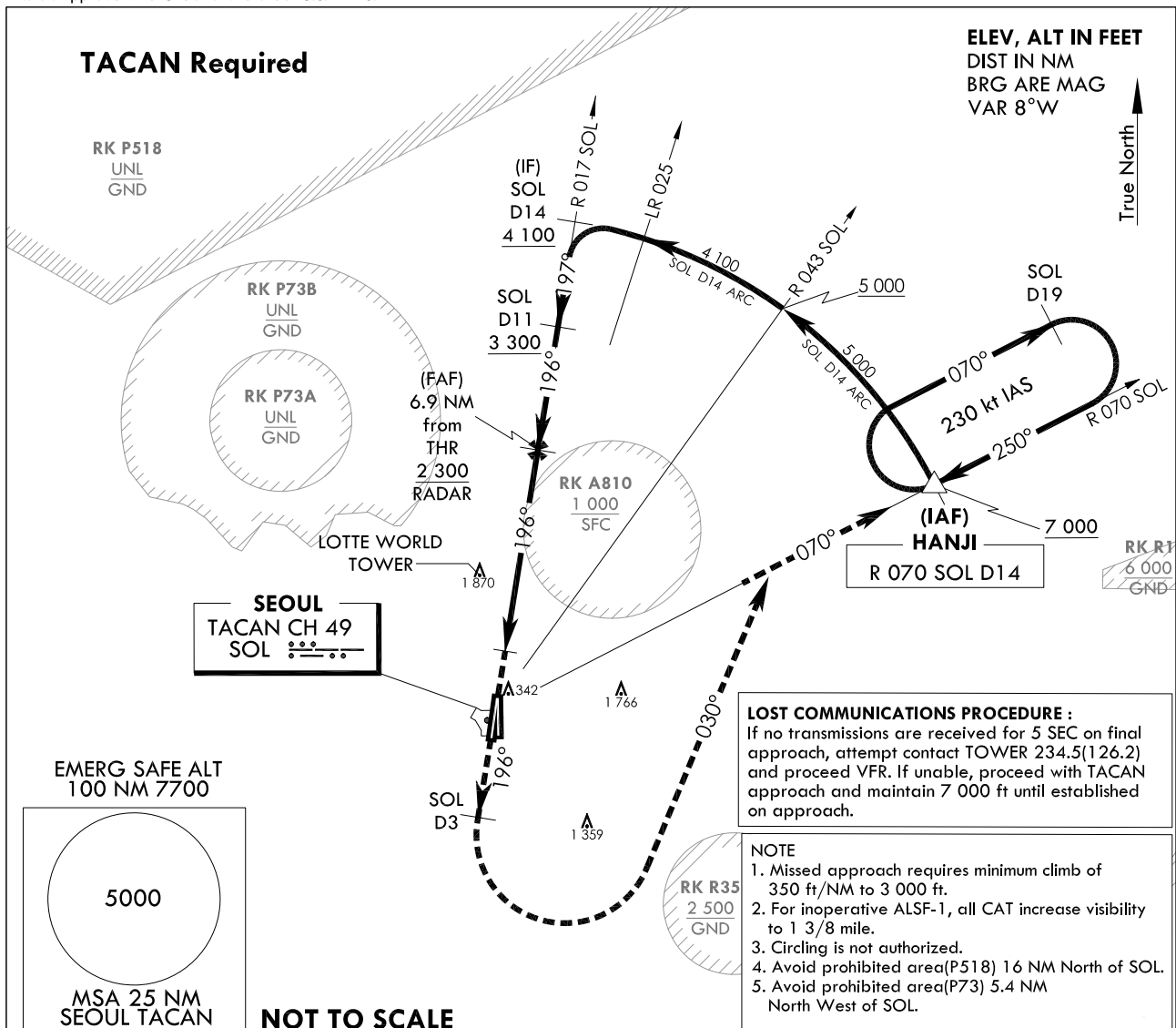
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
PAR Z
RWY 20

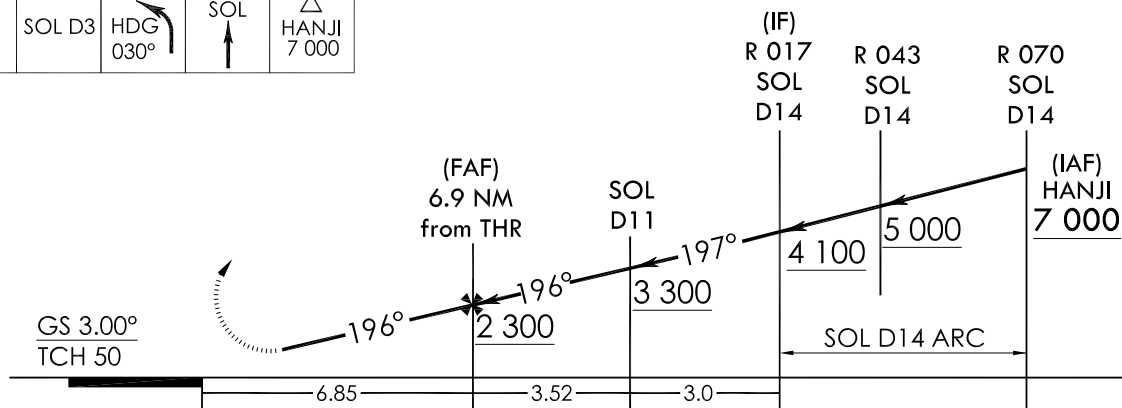
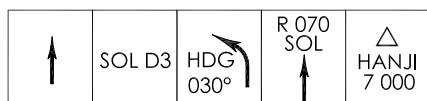
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	350	700	1 050	1 400	1 750	3 000



NOTE : VGSI and PAR glidepath not coincident : (VGSI Angle 3.00° / TCH 61).

MISSED APPROACH

Climb to 4 000 ft via HDG 196° to SOL 3DME and climbing left turn HDG 030° to intercept R 070 SOL, then climb to 7 000 ft on R 070 SOL to HANJI and hold, continue climb-in-holding to 7 000 ft.

CATEGORY	A	B	C	D	E
S-PAR RWY 20	473 / 45	404 (400 - $\frac{7}{8}$)			N/A

Change : Amended radial format.

INTENTIONALLY

LEFT

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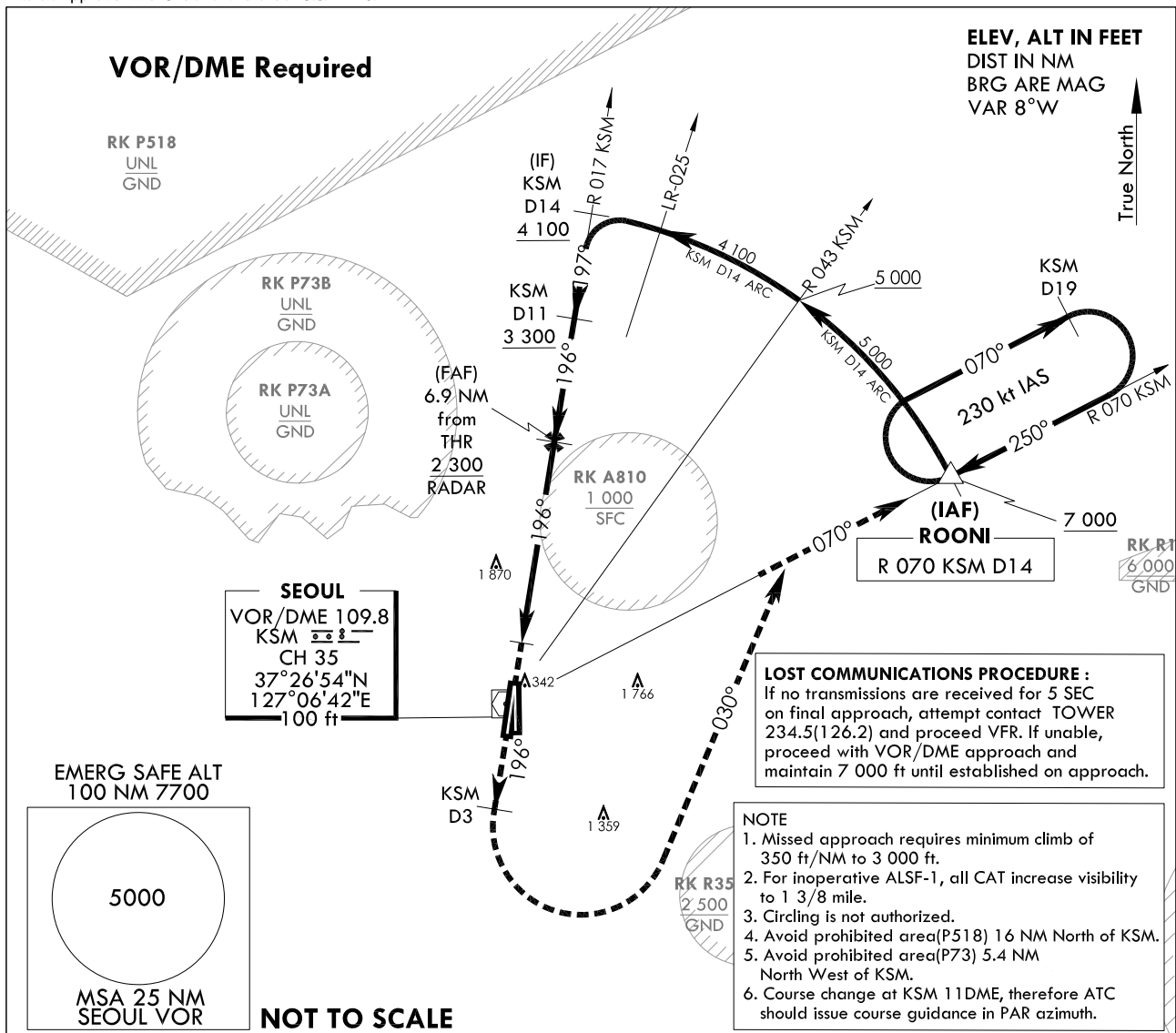
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

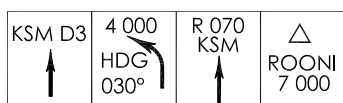
SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
PAR Y
RWY 20

Note : Approach and Circle to land under U.S. TERPS.

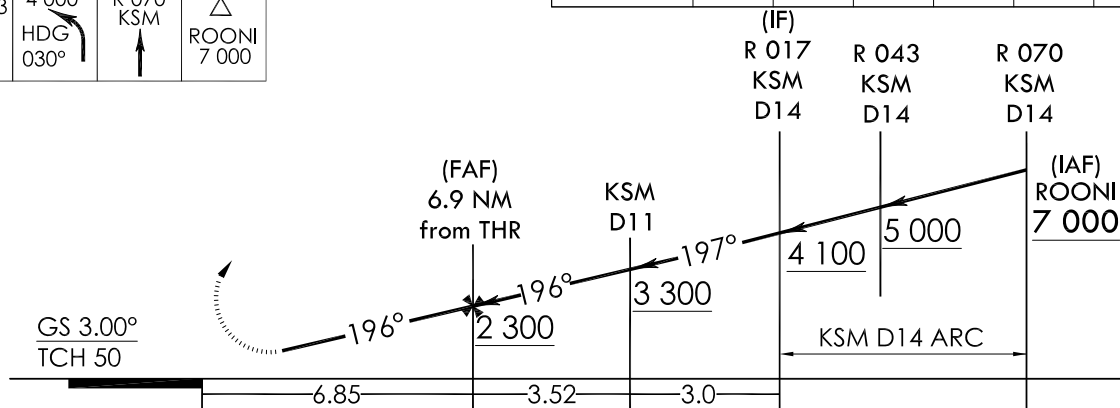


TRANSITION ALT 14 000
TRANSITION LVL FL 140



Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	350	700	1 050	1 400	1 750	3 000



NOTE : VGSI and PAR glidepath not coincident : (VGSI Angle 3.00° / TCH 61).

MISSED APPROACH

Climb to 4 000 ft via HDG 196° to KSM 3DME and climbing left turn HDG 030° to intercept R 070 KSM, then climb to 7 000 ft on R 070 KSM to ROONI and hold, continue climb-in-holding to 7 000 ft.

CATEGORY	A	B	C	D	E
S-PAR RWY 20	473 / 45	404 (400 - $\frac{7}{8}$)			N/A

Change : Amended coordinate and radial format.

INTENTIONALLY

LEFT

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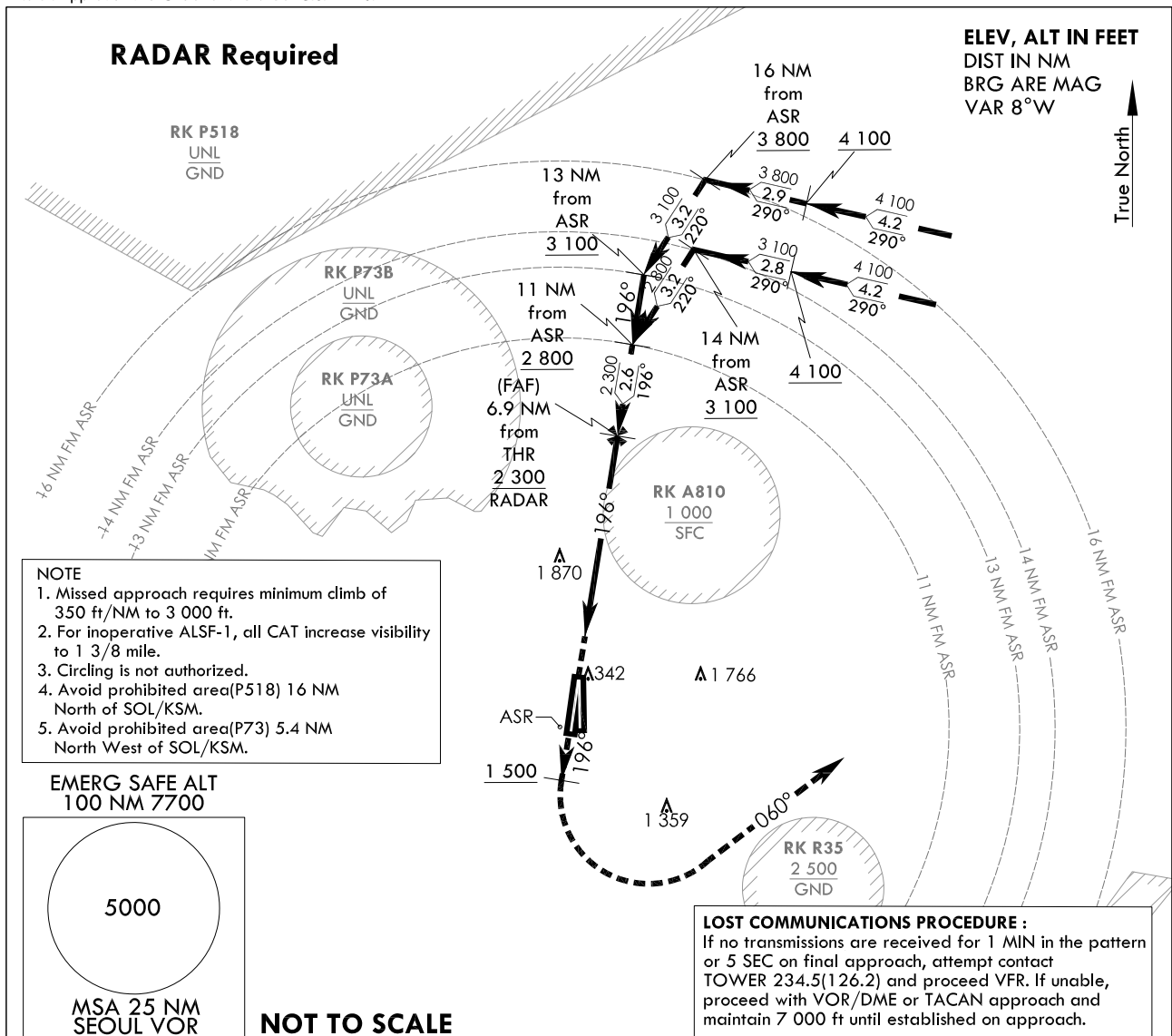
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV **68 ft**
HIGHEST ELEV TDZ 69 ft

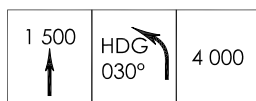
SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
PAR X
RWY 20

Note : Approach and Circle to land under U.S. TERPS.

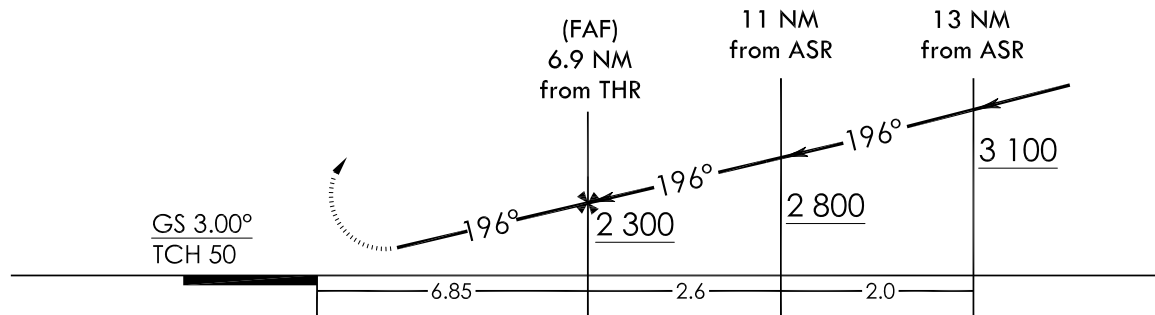


TRANSITION ALT 14 000
TRANSITION LVL FL 140



Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	350	700	1 050	1 400	1 750	3 000



NOTE : VGSI and PAR glidepath not coincident : (VGSI Angle 3.00° / TCH 61).

CATEGORY	A	B	C	D	E
S-PAR RWY 20		473 / 45	404 (400 - $\frac{7}{8}$)		

MISSED APPROACH

Climb HDG 196° to 1 500 ft and climbing left turn HDG 060° to 4 000 ft and directed by ATC.

Change : Information of procedure.

INTENTIONALLY

LEFT

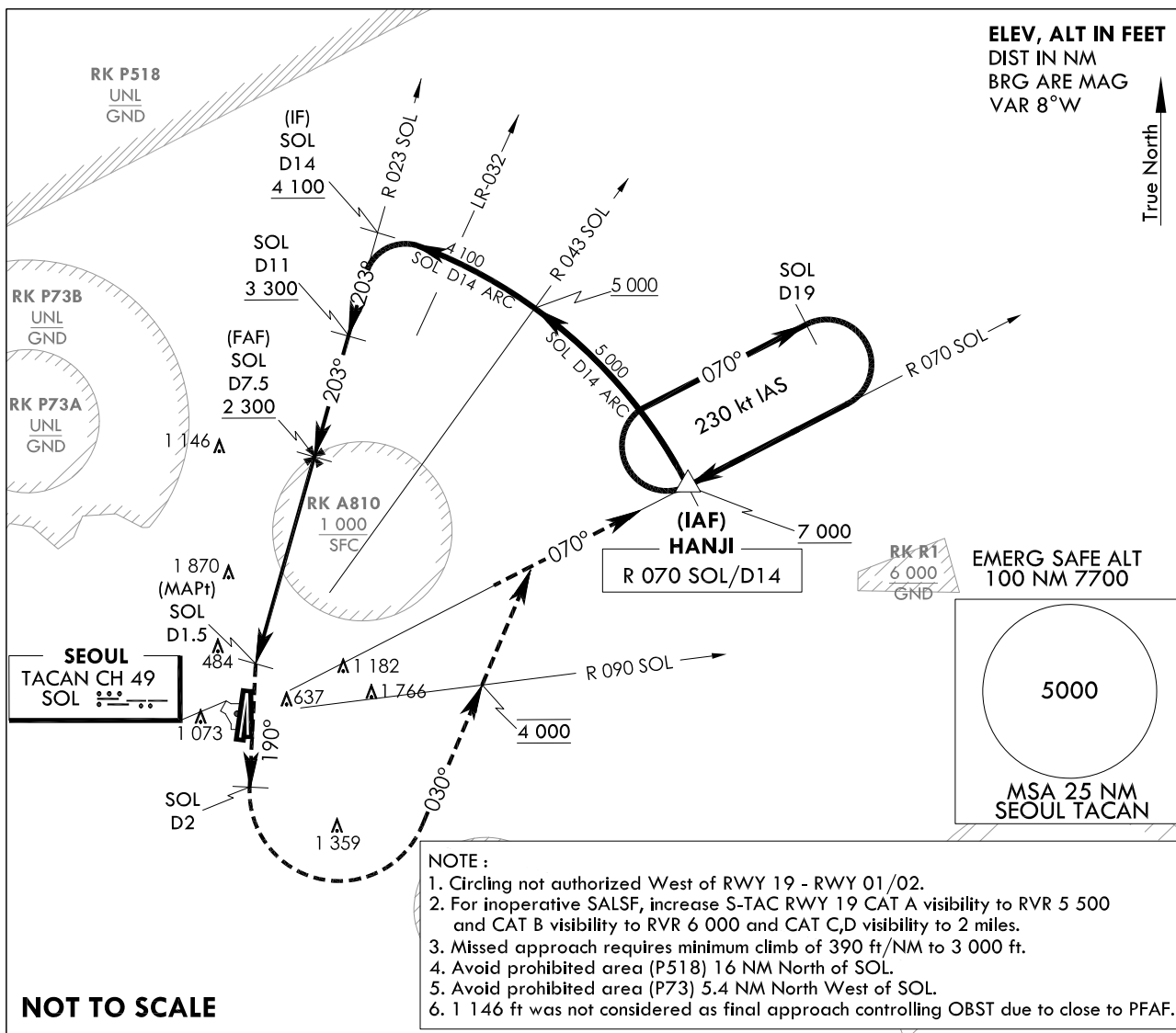
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**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 68 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

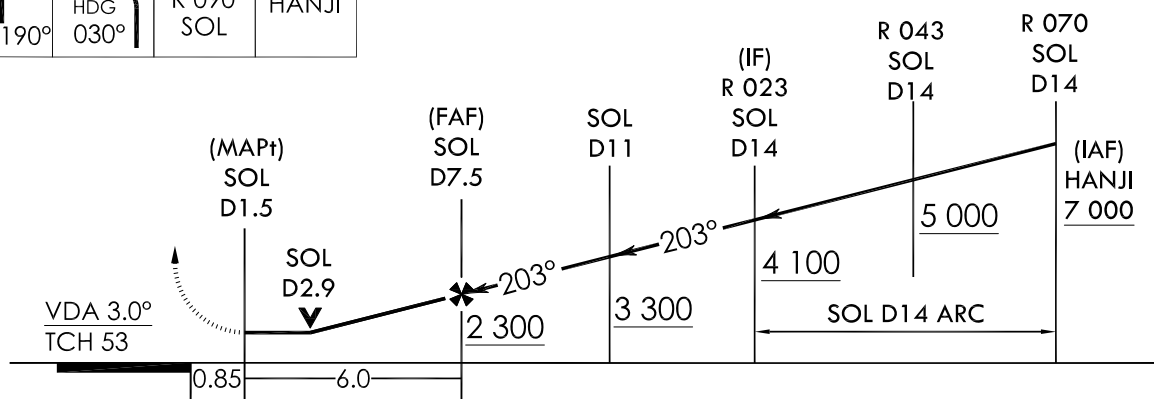
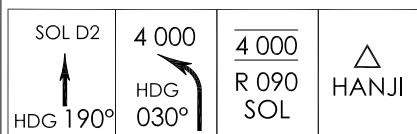
SEOUL/Seoul(RKSM)
TACAN
RWY 19



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	390	770	1 150	1 530	1 910	3 000



CATEGORY	A	B	C	D	E
S-TAC RWY 19	820 / 40 748 (800 - 3/4)	820 / 55 748 (800 - 1)	820 - 1 7/8 748 (800 - 1 7/8)		N/A
Circling	1 020 - 1 1/4 927 (1 000 - 1 1/4)		1 560 - 3 1 467 (1 500 - 3)	2 260 - 3 2 167 (2 200 - 3)	N/A

MISSED APPROACH:
Climb HDG 190° to SOL 2 DME and climbing left turn HDG 030° to cross R 090 SOL at 4 000 ft, then R 070 SOL to HANJI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended coordinate and radial format.

INTENTIONALLY

LEFT

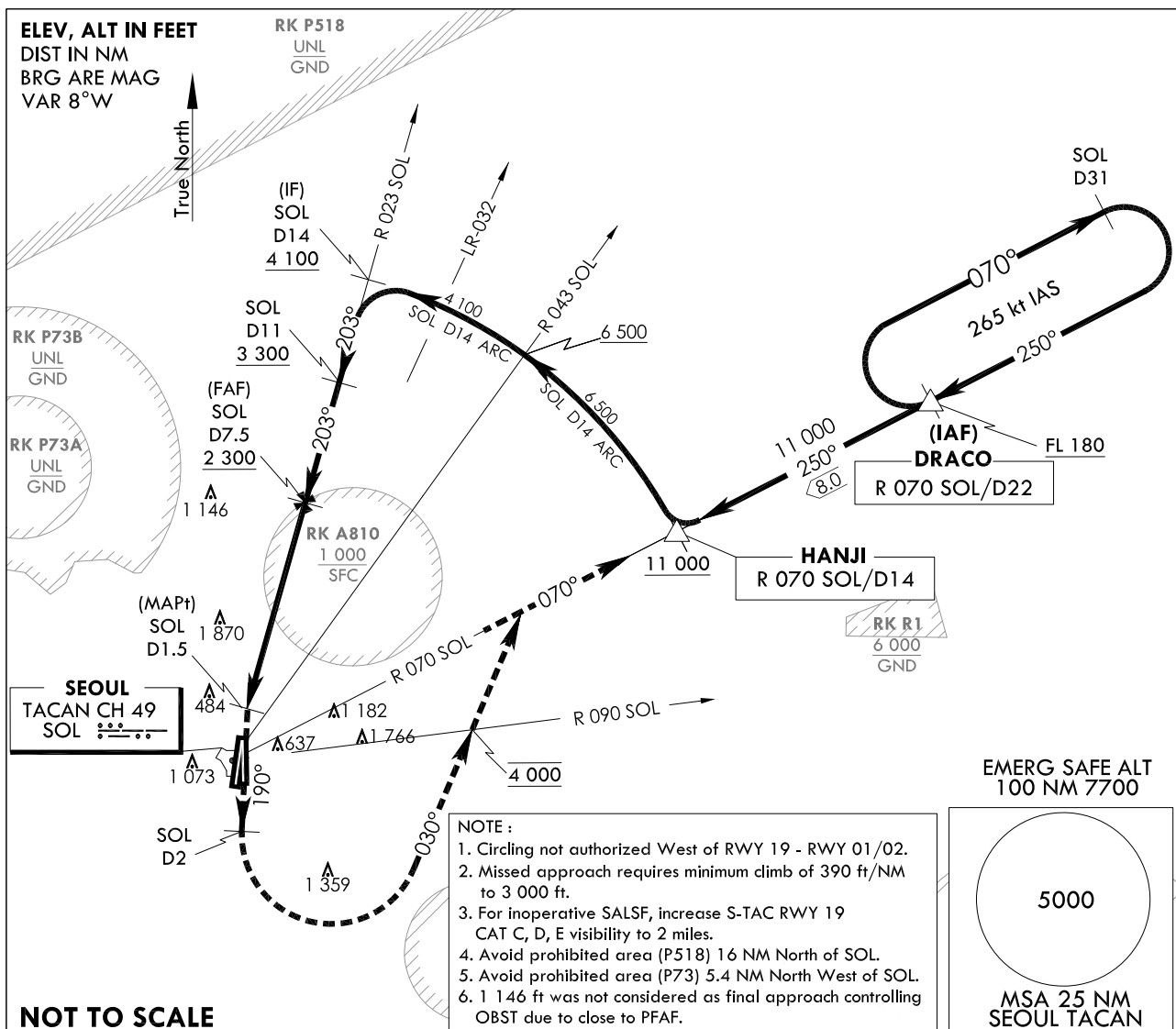
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**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 68 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
HI-TACAN
RWY 19

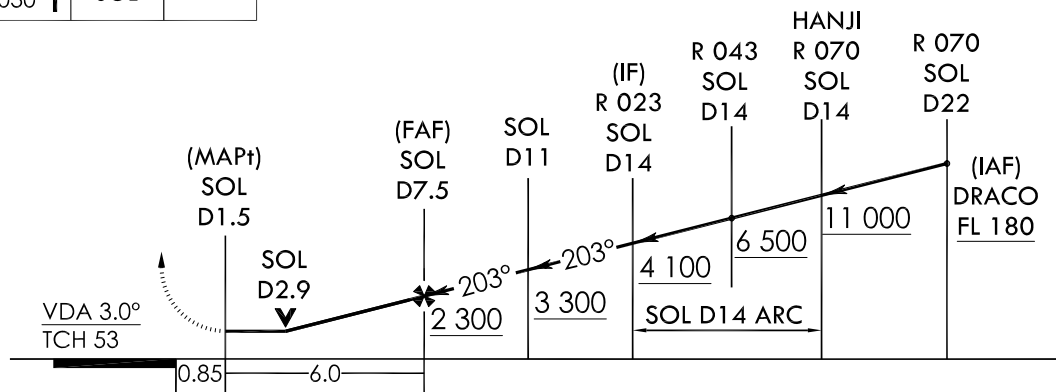


NOT TO SCALE

TRANSITION ALT 14 000 TRANSITION LVL FL 140			
SOL D2 ↑ HDG 190°	4 000 HDG 030°	4 000 R 090 SOL	△ DRACO

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	390	770	1 150	1 530	1 910	3 000



CATEGORY	A	B	C	D	E
S-TAC RWY 19	N/A			820 - 1 $\frac{7}{8}$ 748 (800 - 1 $\frac{7}{8}$)	
Circling	N/A		1 560 - 3 1 467(1 500-3)	2 260 - 3 2 167(2 200-3)	

MISSED APPROACH

Climb HDG 190° to SOL 2 DME and climbing left turn HDG 030° to cross R 090 SOL at 4 000 ft, then R 070 SOL to DRACO and hold, continue climb-in-holding to FL 180.

Change : Amended radial format.

INTENTIONALLY

LEFT

BLANK

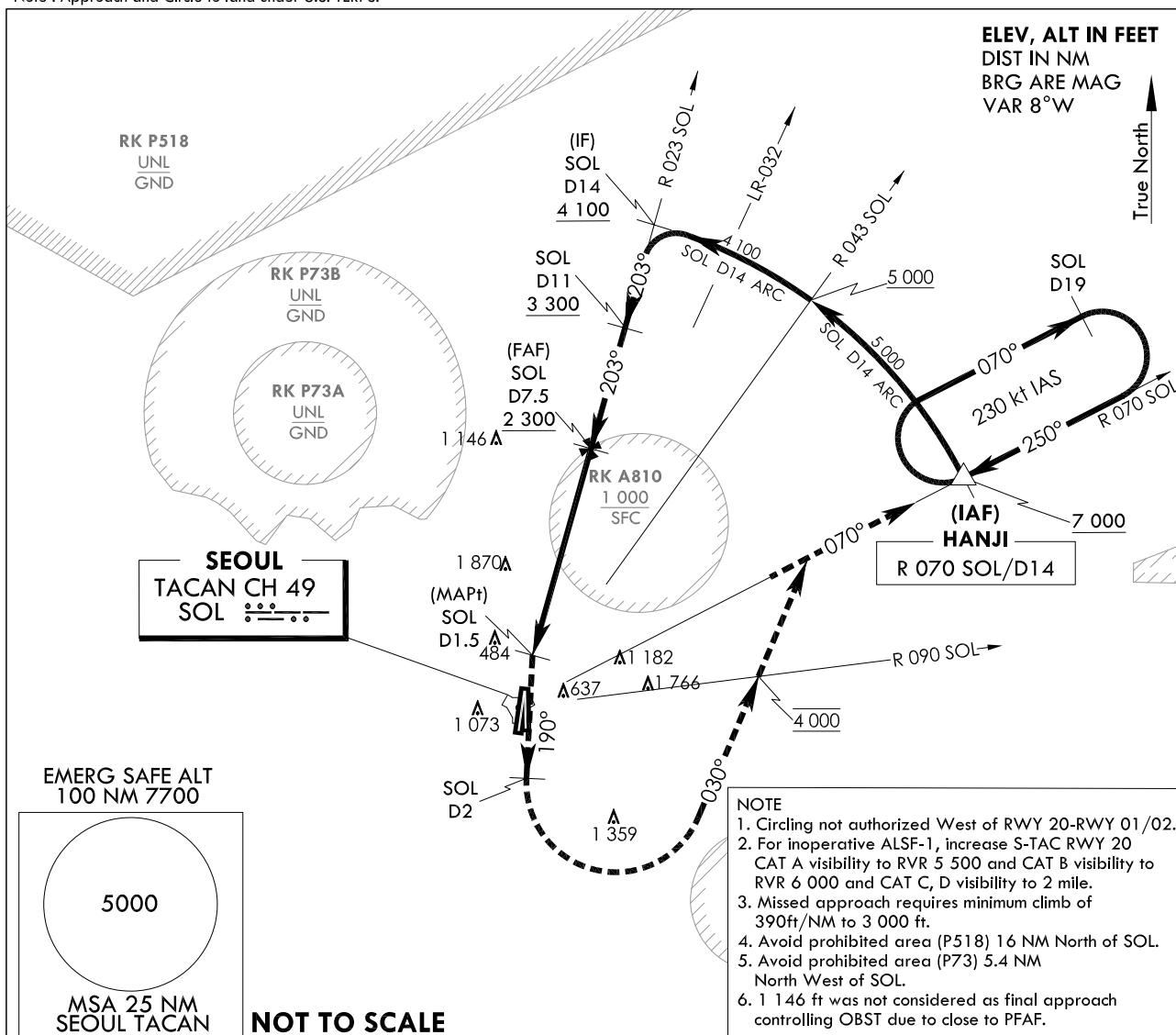
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

**SEOUL/Seoul(RKSM)
TACAN
RWY 20**

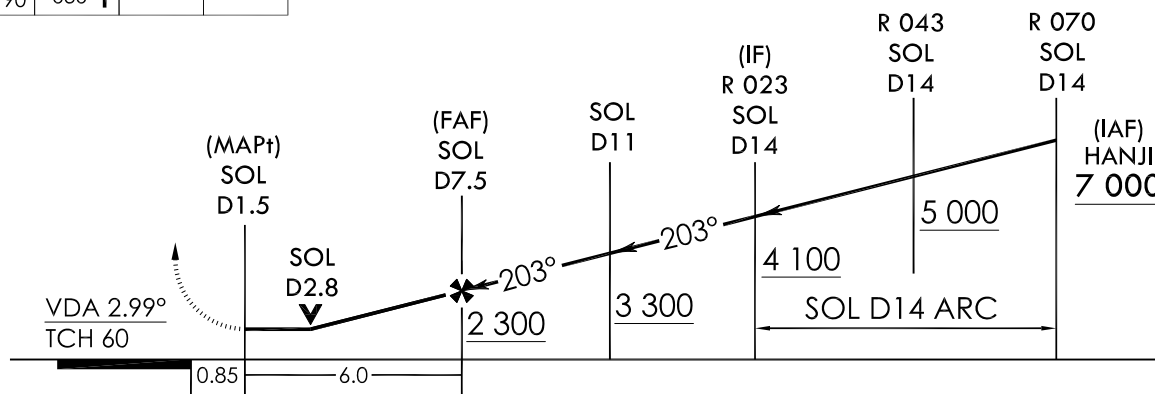
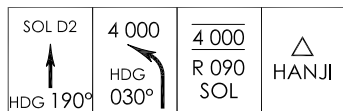
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	390	770	1 150	1 530	1 910	3 000



CATEGORY	A	B	C	D	E
S-TAC RWY 20	820 / 35 751 (800 - 3/8)	820 / 40 751 (800 - 3/4)	820 - 1 3/4 751 (800 - 1 3/4)		N/A
Circling	1 020 - 1 1/4 927 (1 000 - 1 1/4)		1 560 - 3 1 467 (1 500 - 3)	2 260 - 3 2 167 (2 200 - 3)	N/A

MISSED APPROACH

Climb HDG 190° to SOL 2DME and climbing left turn HDG 030° to cross R 090 SOL at 4 000 ft, then R 070 SOL to HANJI and hold, continue climb-in-holding to 7 000 ft.

Change : Amended radial format.

INTENTIONALLY

LEFT

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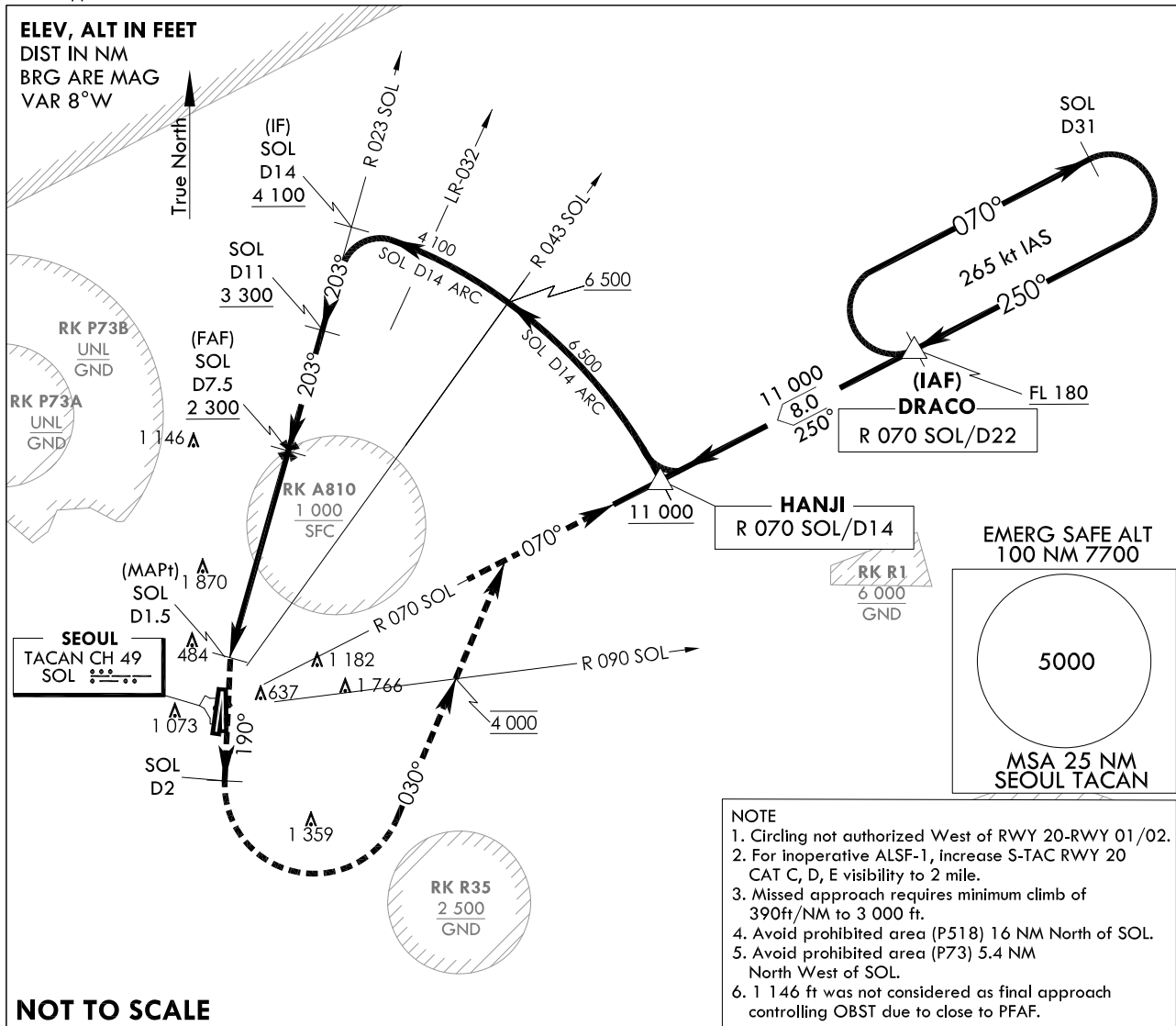
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
HI-TACAN
RWY 20

Note : Approach and Circle to land under U.S. TERPS.



INTENTIONALLY

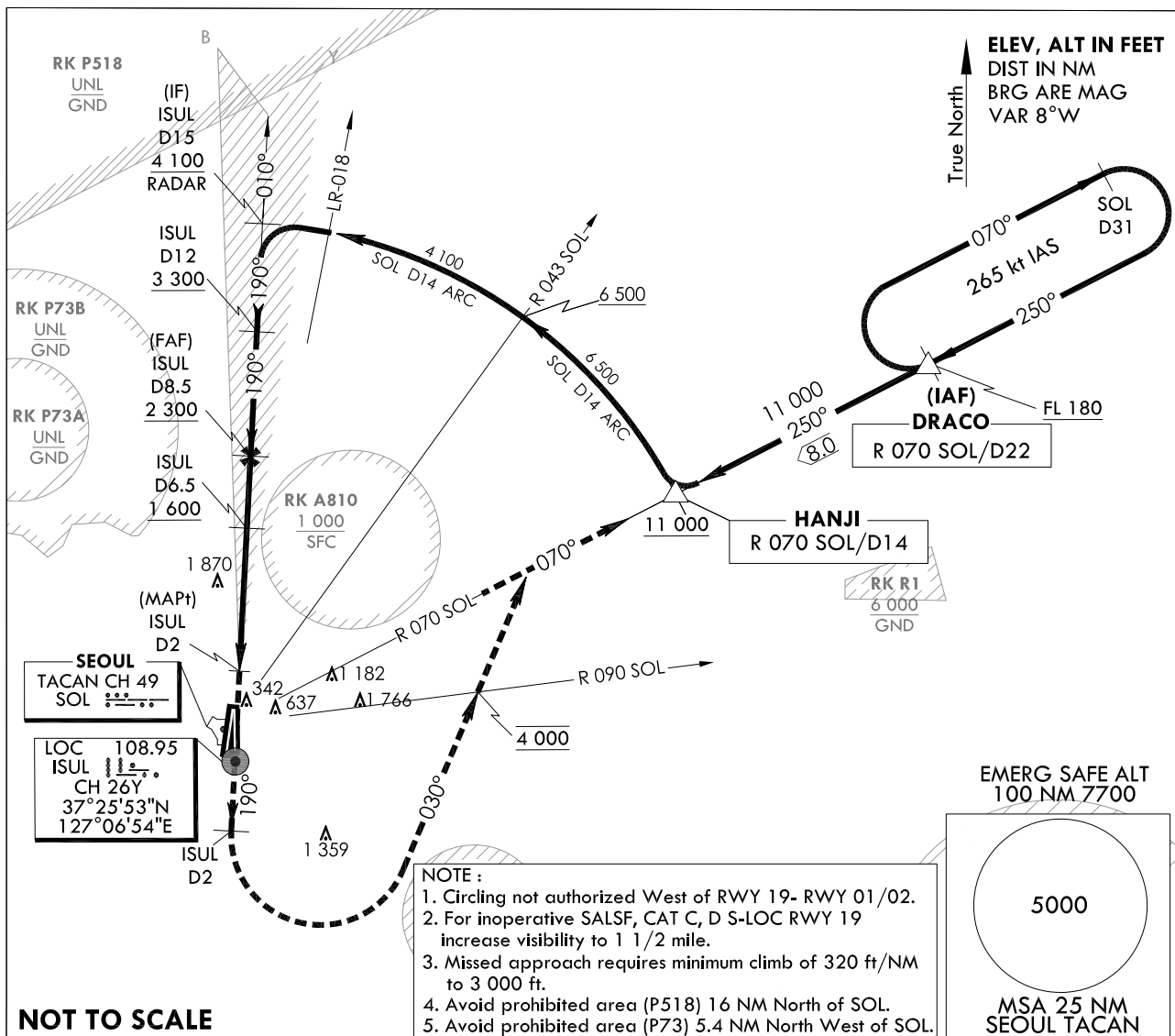
LEFT

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AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV **68 ft**

SEOUL APP	123.8	363.8
SEOUL TWR	126.2	
	234.5	236.6

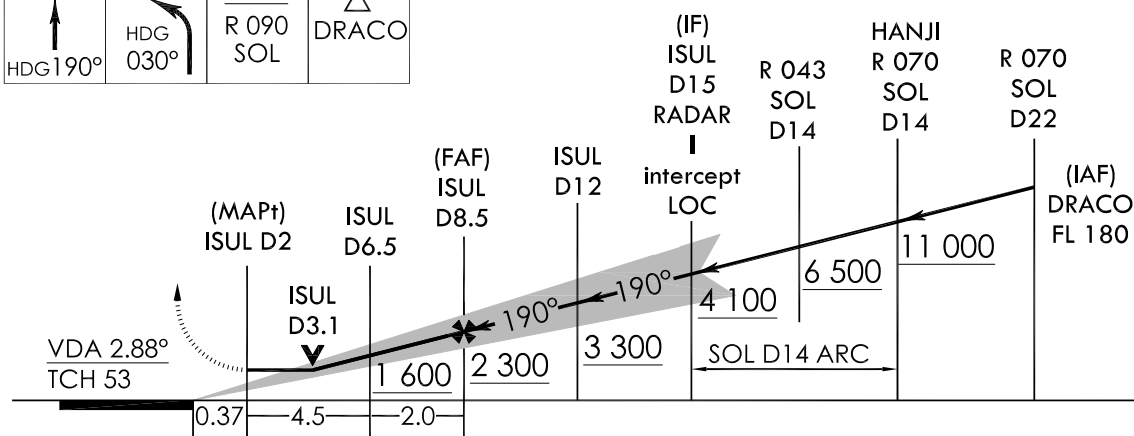
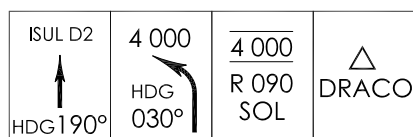
**SEOUL/Seoul(RKSM)
HI-LOC/DME
RWY 19**



TRANSITION ALT	14 000
TRANSITION LVL	FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	320	640	960	1 280	1 590	3 000



CATEGORY	A	B	C	D	E
S-LOC RWY 19	N/A		600 - 1 $\frac{1}{4}$	528 (600 - 1 $\frac{1}{4}$)	
Circling	N/A		1 560 - 3 1 467(1 500-3)	2 260 - 3 2 167(2 200-3)	

MISSED APPROACH

Climb HDG 190° to ISUL 2 DME and climbing left turn HDG 030° to cross R 090 SOL TACAN at 4 000 ft, then R 070 SOL to DRACO and hold, continue climb-in-holding to FL 180.

INTENTIONALLY

LEFT

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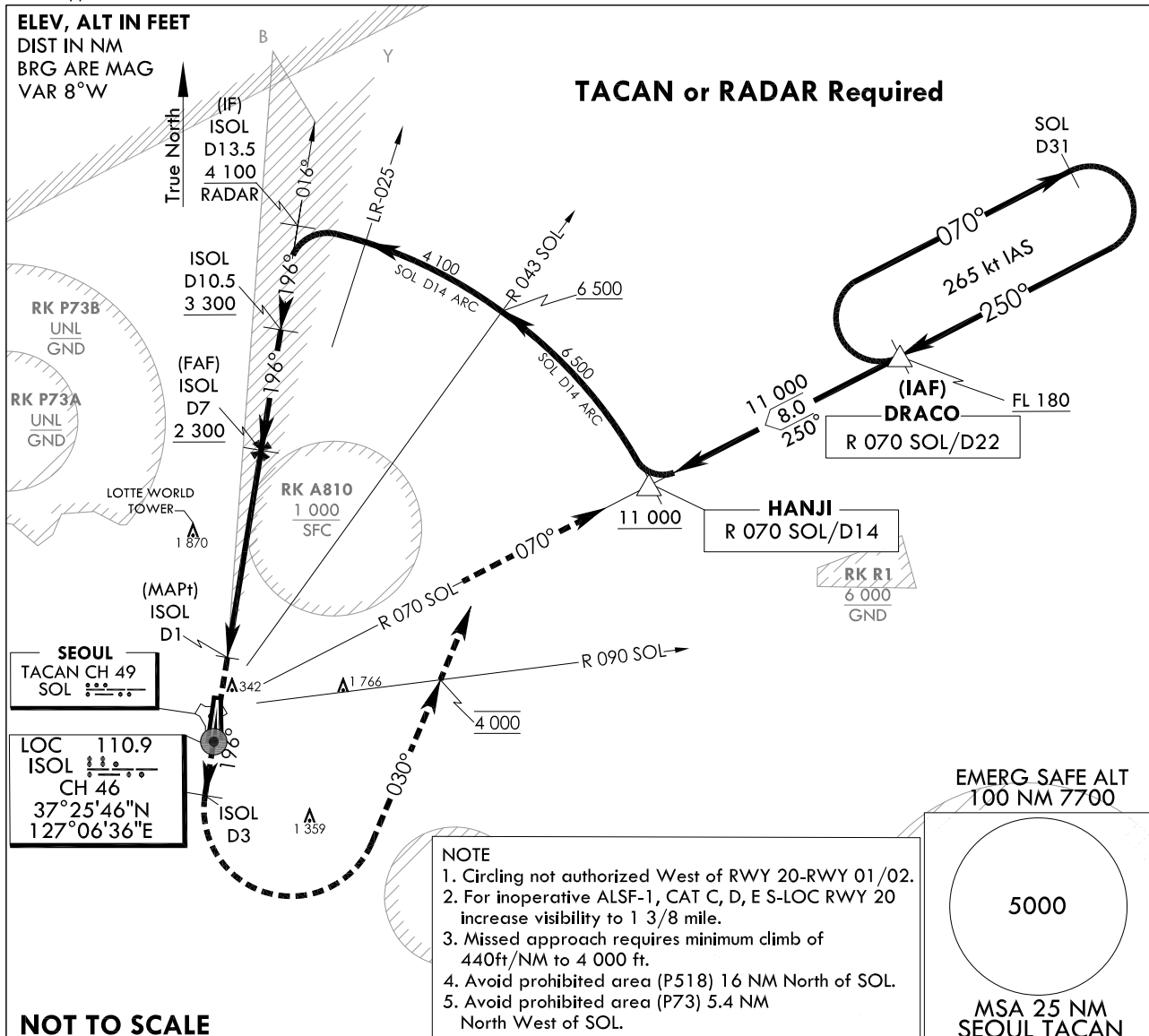
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
HI-LOC/DME
RWY 20

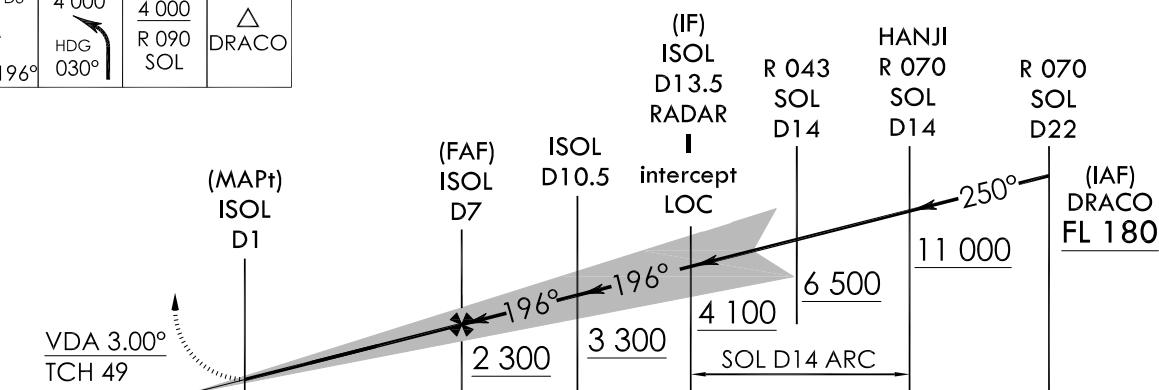
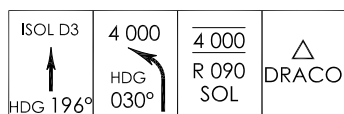
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	440	880	1 320	1 760	2 200	4 000



CATEGORY	A	B	C	D	E
S-LOC RWY 20	N/A			520/45 451 (500 - 7/8)	
Circling	N/A		1 560 - 3 1 467(1 500-3)	2 260 - 3 2 167(2 200-3)	

MISSED APPROACH
Climb HDG 196° to ISOL 3DME and climbing left turn HDG 030° to cross R 090 SOL at 4 000 ft, then R 070 SOL to DRACO and hold, continue climb-in-holding to FL 180.

Change : Amended ILS plan view symbol.

INTENTIONALLY

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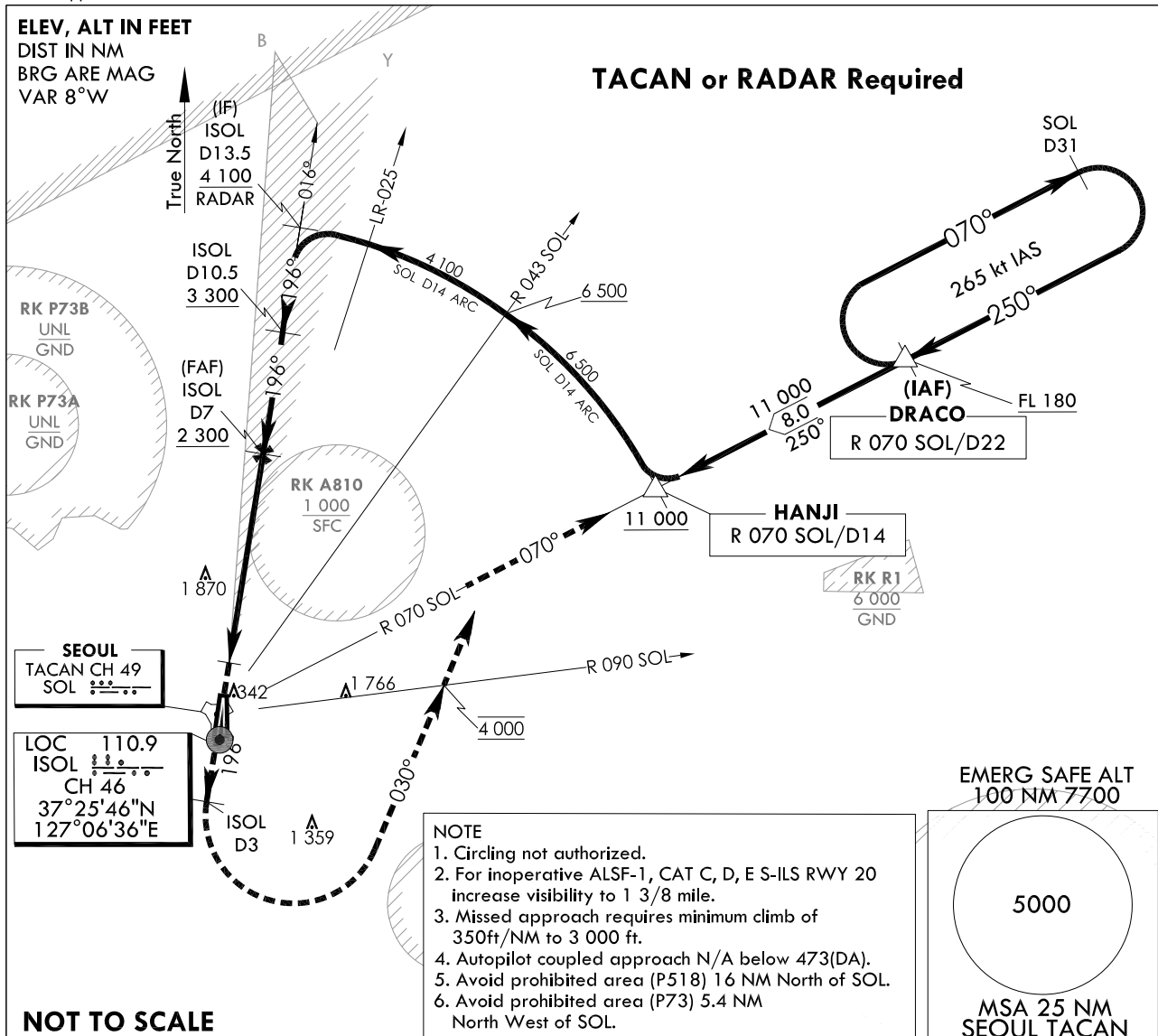
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 93 ft
HEIGHTS RELATED TO
THR RWY 20 - ELEV 68 ft
HIGHEST ELEV TDZ 69 ft

SEOUL APP 123.8 363.8
SEOUL TWR 126.2
234.5 236.6

SEOUL/Seoul(RKSM)
HI-ILS
RWY 20

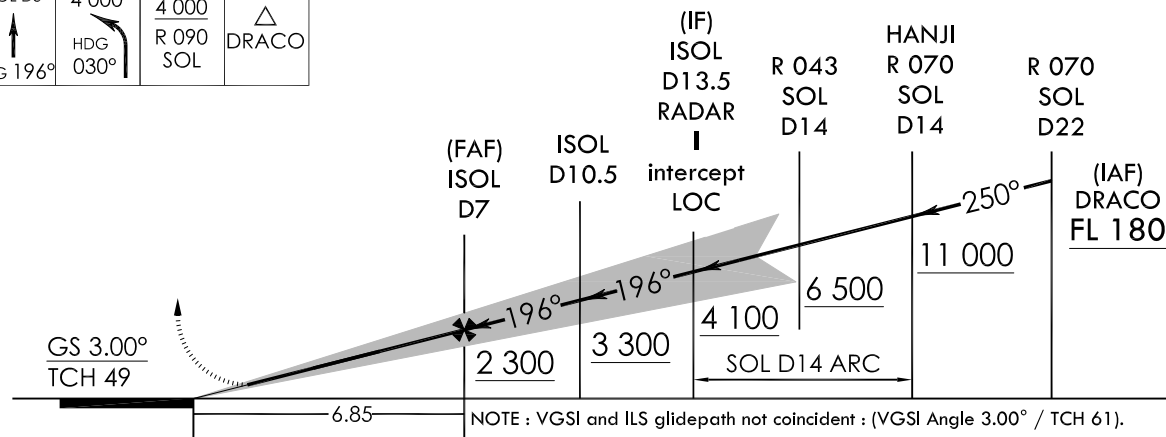
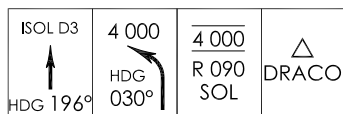
Note : Approach and Circle to land under U.S. TERPS.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

Missed Approach Climb Rate table

KNOTS	60	120	180	240	300	TO
V/V(fpm)	350	700	1 050	1 400	1 750	3 000



CATEGORY	A	B	C	D	E
S-ILS RWY 20	N/A			473/45 404 (400 - $\frac{7}{8}$)	

MISSED APPROACH

Climb HDG 196° to ISOL 3DME and climbing left turn HDG 030° to cross R 090 SOL at 4 000 ft, then R 070 SOL to DRACO and hold, continue climb-in-holding to FL 180.

Change : Amended ILS plan view symbol.

INTENTIONALLY

LEFT

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