

GENERAL**Operational Hours****ATS Hours:** H24**AD OPS Hours:** 2100-1300**Airport Information****RFF:** AVBL, CAT not published**Fuel:** HS**PCN:** RWY 01/19: 82/R/B/W/T

RWY 02/20: 85/R/B/X/T

Customs: 2100-1300**Operation****Traffic Note**

LDG/TOF prohibited between 1300-2100 due to NAP, except 48HR in advance.

Warnings**KSM VOR** unusable:

- R301-R044 not checked due to P518 and P73 prohibited area.
- R045-R058 beyond 17NM below 7500ft.
- R059-R072 beyond 20NM below 8000ft.
- R073-R082 beyond 19NM below 8000ft.
- R083-R092 beyond 20NM below 10000ft.
- R093-R110 beyond 13NM below 8000ft.
- R161-R235 beyond 14NM below 9000ft.
- R236-R260 beyond 22NM below 13000ft.
- R261-R300 beyond 10NM below 13000ft.

KSM DME unusable:

- R301-R044 not checked due to P518 and P73 prohibited area.
- R045-R058 beyond 20NM below 7500ft.
- R059-R072 beyond 16NM below 9000ft.
- R073-R082 beyond 16NM below 8000ft.
- R083-R092 beyond 14NM below 10500ft.
- R093-R110 beyond 11NM below 9000ft.
- R111-R160 beyond 16NM below 7000ft.
- R161-R235 beyond 24NM below 9000ft.
- R236-R260 beyond 13NM below 13000ft.
- R261-R300 beyond 7NM below 16000ft.

ARRIVAL**Communication****COM Failure****PAR Y RWY 19, 20**

If no transmissions are received for 5s on final APCH, attempt contact TWR 126.200 and proceed VFR.
If unable, proceed with KSM VOR/DME APCH and maintain 7000ft until established on APCH.

PAR Z RWY 19, 20

If no transmissions are received for 5s on final APCH, attempt contact TWR 126.200 and proceed VFR.
If unable, proceed with SOL DME APCH and maintain 7000ft until established on APCH.

PAR X RWY 19, 20

If no transmissions are received for 1min in the pattern or 5s on final APCH, attempt contact TWR 126.200 and proceed VFR.

If unable, proceed with KSM VOR/DME or SOL DME APCH and maintain 7000ft until established on APCH.

Arrival Procedure

Reverse: Do not use more than idle reverse if possible.

DEPARTURE**Take-off Minima**

RWY		19, 20	
1+2 ENG	ft - ft/SM	0 - 1.0V	All other DEP SID SEOUL 2, SID EGOBA 5: MNM climb gradient 7.4% up to 3000 SID RICOE 5: MNM climb gradient 7.4% up to 6000 SID NOROO 1: MNM climb gradient 8.3% up to 3000 SID YEOJU 1: MNM climb gradient 8.3% up to 4000
3+4 ENG		0 - 0.5V	
RWY		01, 02	
1+2 ENG	ft - ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	-
All ACFT		c300 - 1.0V	SID MEESA 1: MNM climb gradient 7.1% up to 5000
			SID SEOUL 1: MNM climb gradient 7.6% up to 5200
			SID RICOE 5: MNM climb gradient 8.1% up to 2700
	SID SEOUL 2: MNM climb gradient 8.1% up to 5500		
		SID EGOBA 5: MNM climb gradient 8.1% up to 6000	

DEPARTURE**Communication****COM Failure****SEOUL 1, SEOUL 2**

If contact is not established on RICOE TR route prior to reaching 6000ft, maintain 6000ft and attempt contact OSAN DEP CTL (127.900).

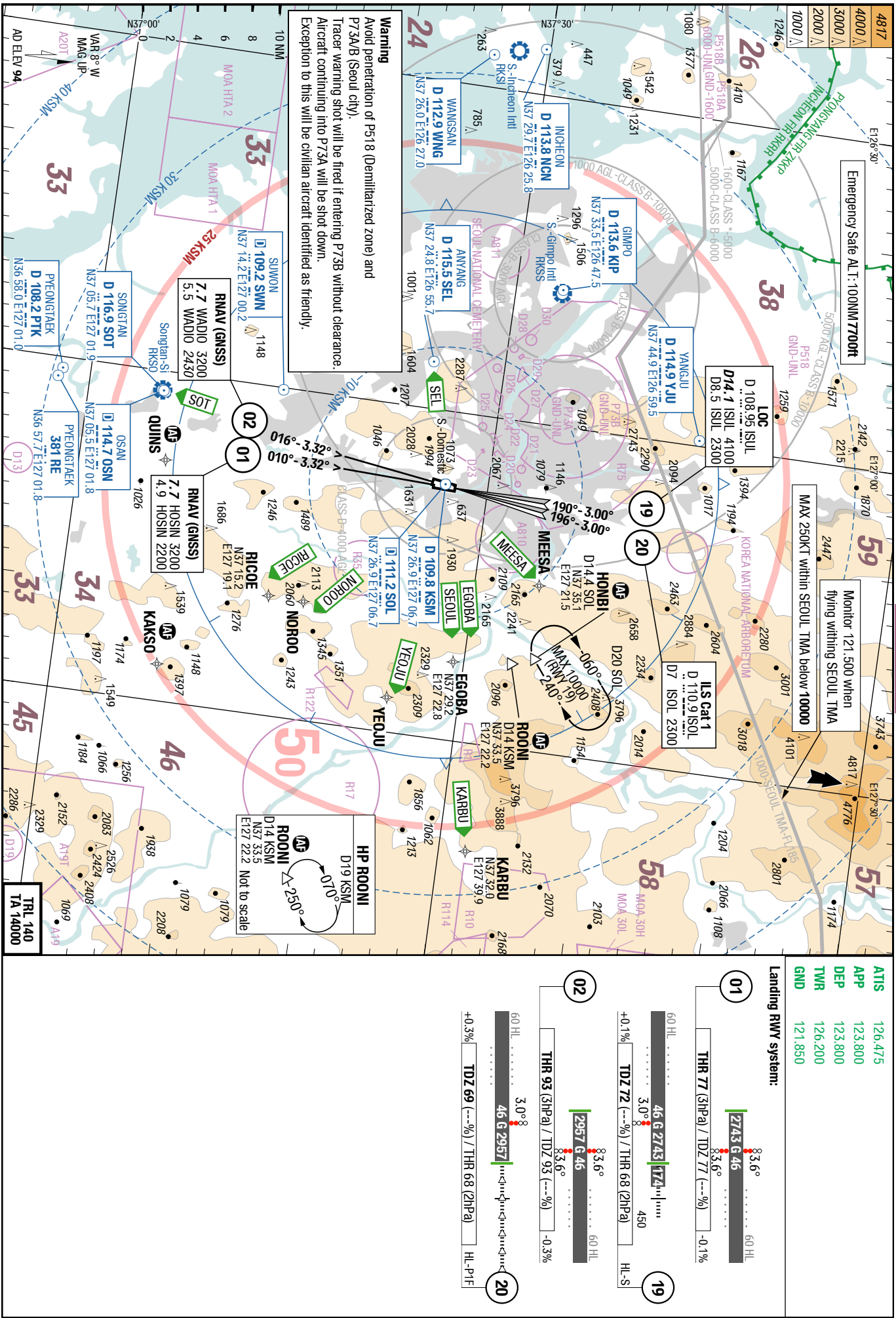
Departure Procedure**Noise Abatement Procedure**

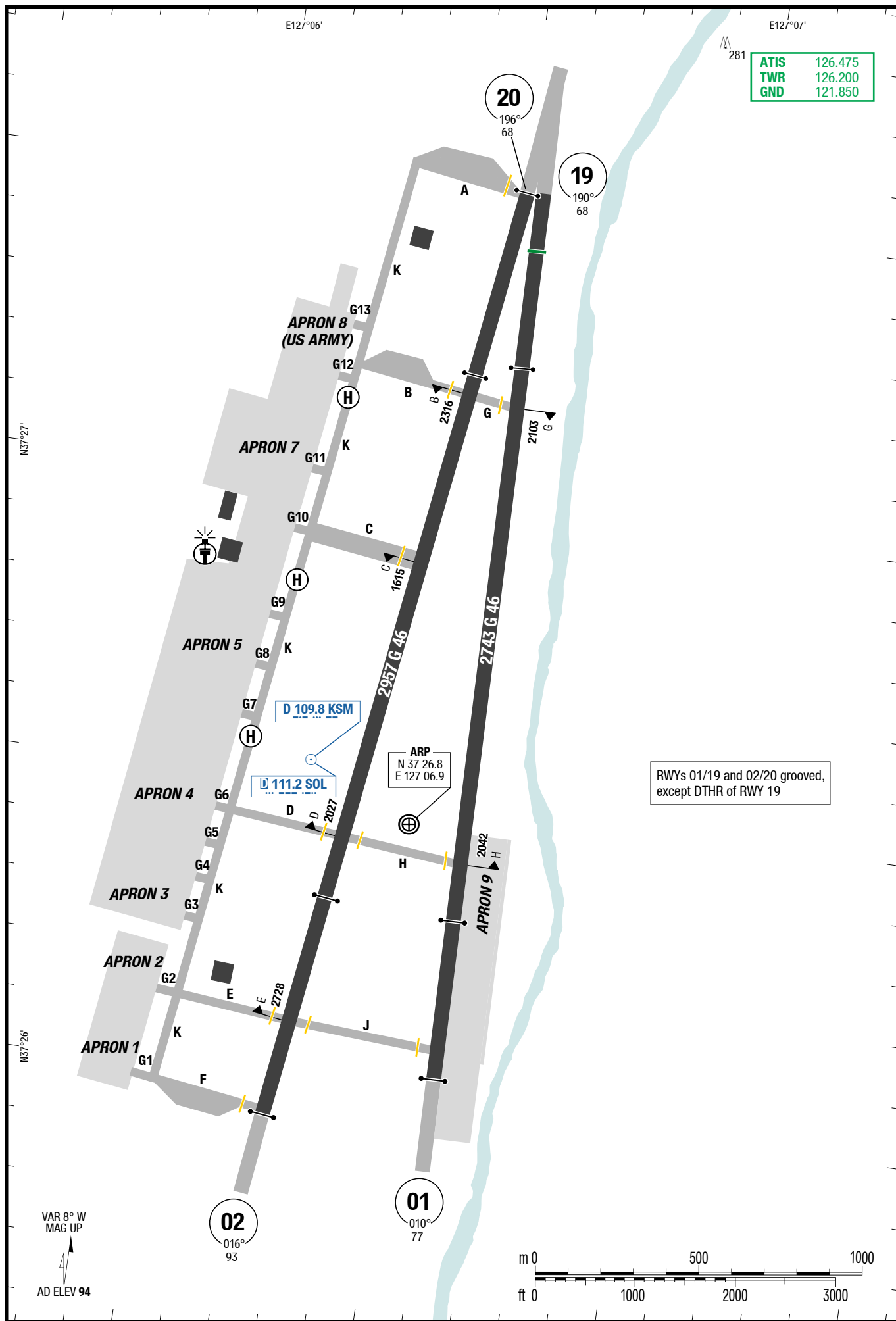
Use ICAO Standard NADP 1 including the following:

- Thrust reduction at 1500ft AAL is recommended.
- Whenever practical, climb with MAX climb gradient until reaching 3000ft AGL.

De-Icing

AVBL





SSN-RKSM

NOR00 1 RNAV

MEESA 1 RNAV

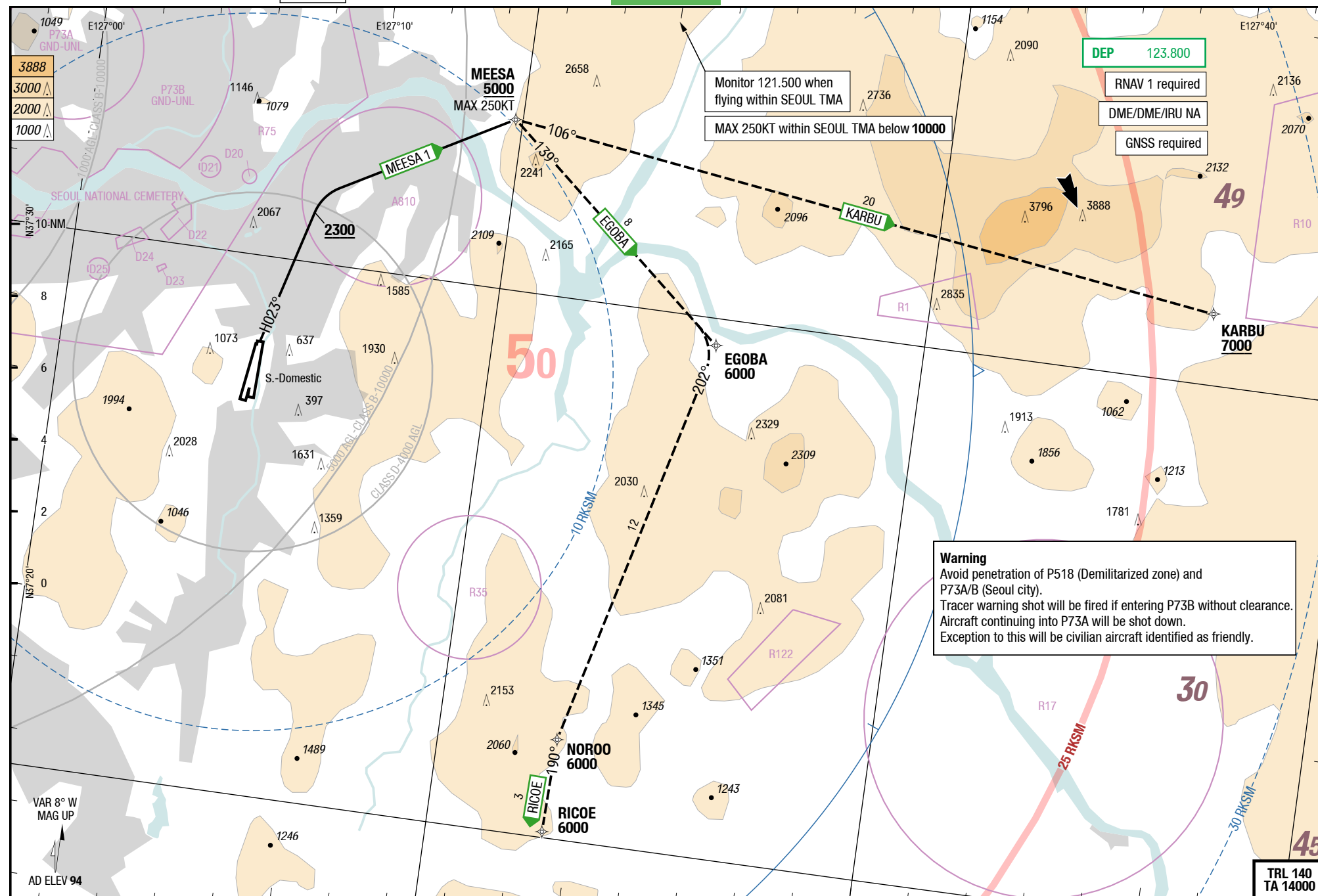
SID

SID

NOR00 1 RNAV

MEESA 1 RNAV

4-10



Changes: MGA, ALT, OBST, AD ELEV

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28-OCT-2016

SSN-RKSM

Republic of Korea **Seoul** Seoul Domestic

4-20

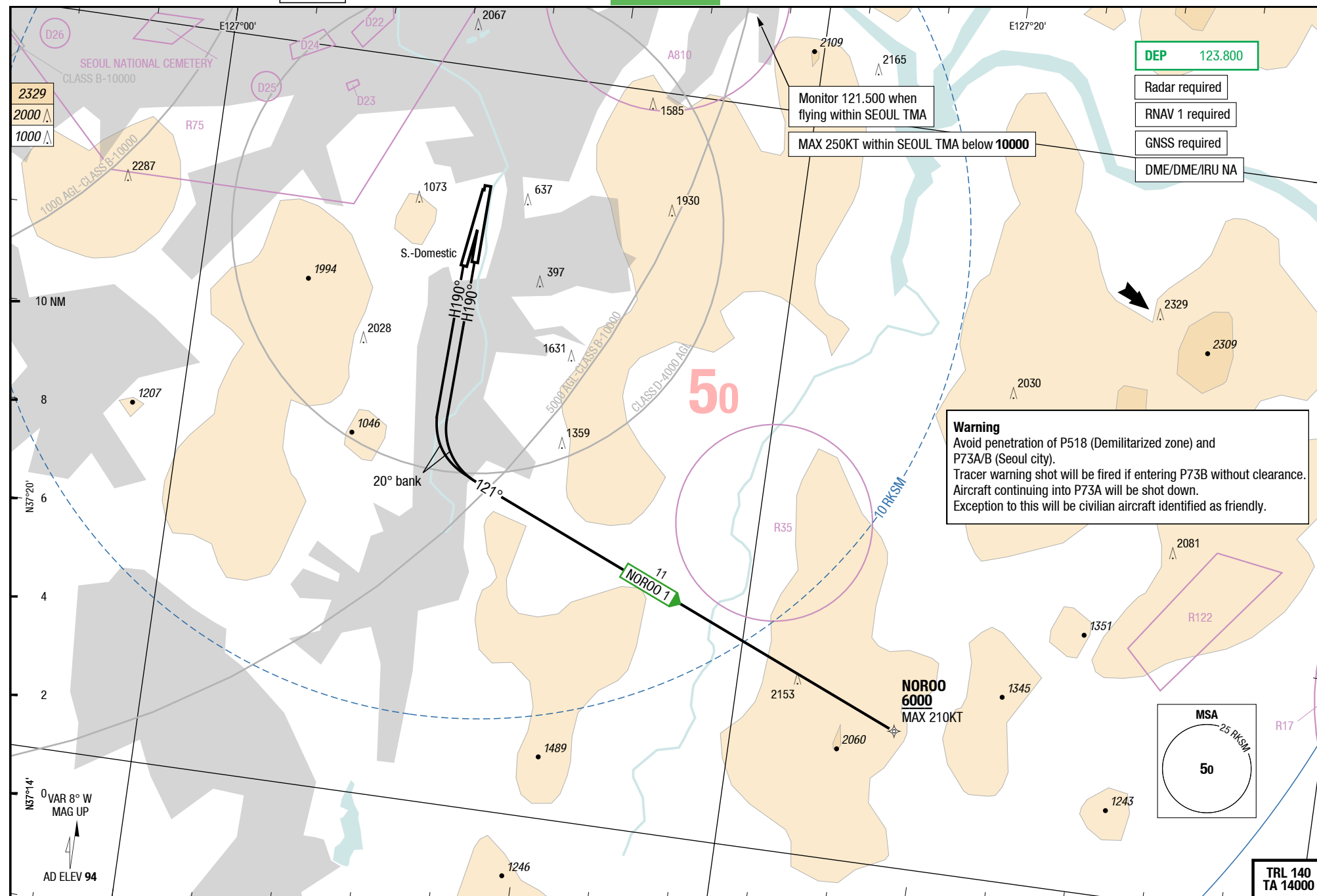
NOROO 1 RNAV

SID

SID

Seoul Domestic **Seoul** Republic of Korea

NOROO 1 RNAV



Changes: AD ELEV

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28-OCT-2016
SSN-RKSM

Republic of Korea **Seoul** Seoul Domestic

YEOJU 1 RNAV

SOT 1 RNAV

SID

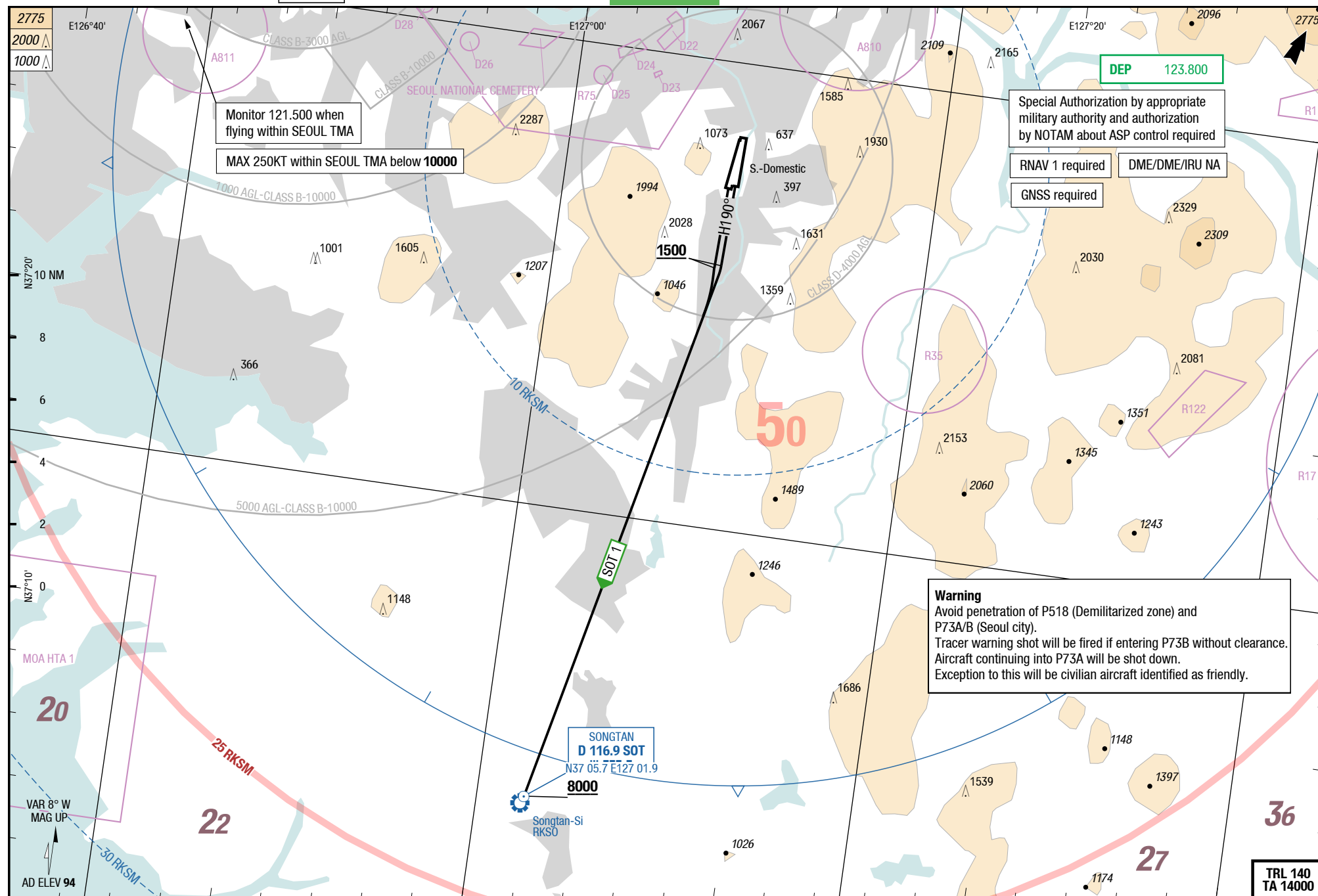
SID

Seoul Domestic **Seoul** Republic of Korea

YEOJU 1 RNAV

SOT 1 RNAV

4-30



Changes: ALT, AD ELEV

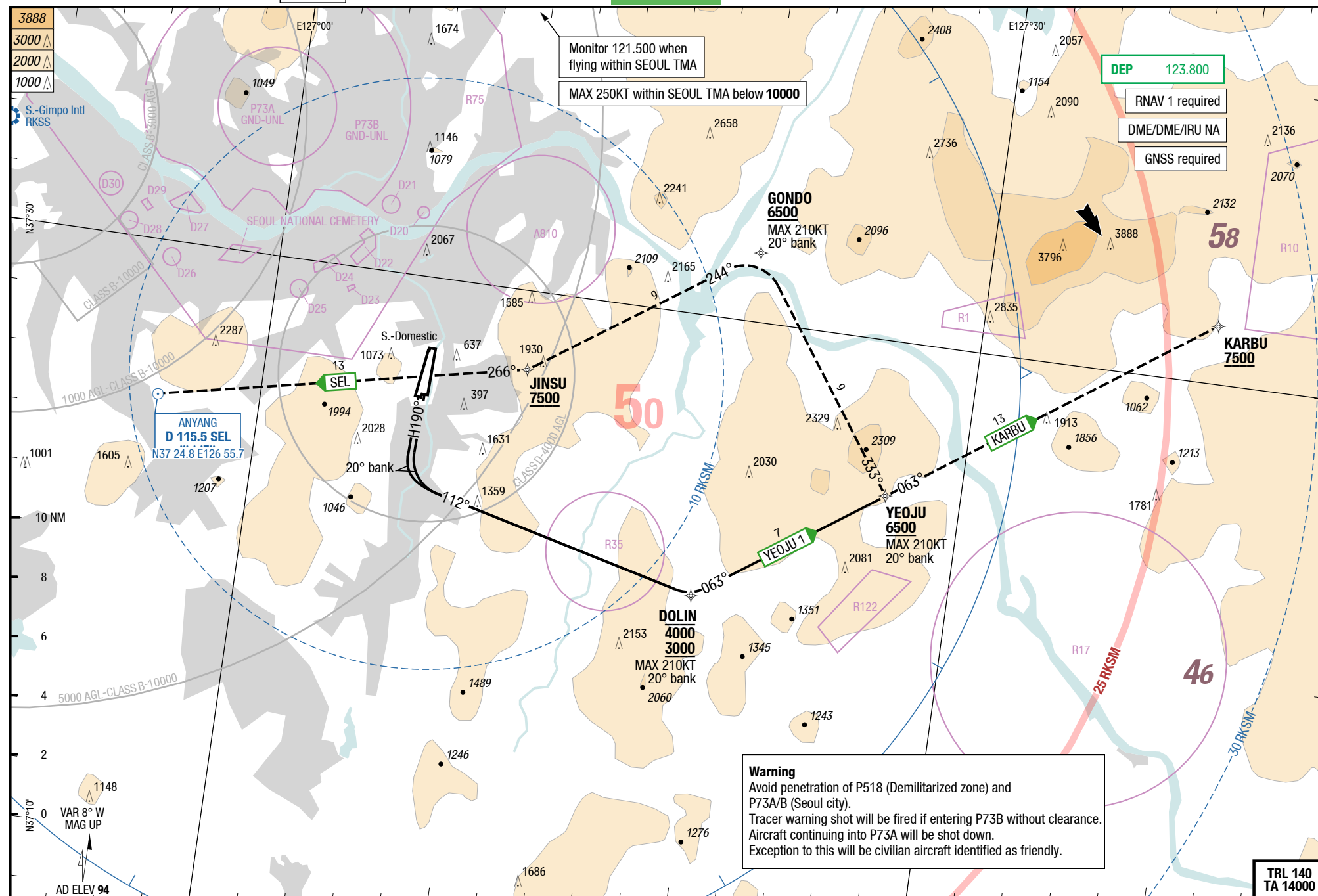
SSN-RKSM

YEOJU 1 RNAV

SID

SID

YEOJU 1 RNAV



Changes: OBST, AD ELEV

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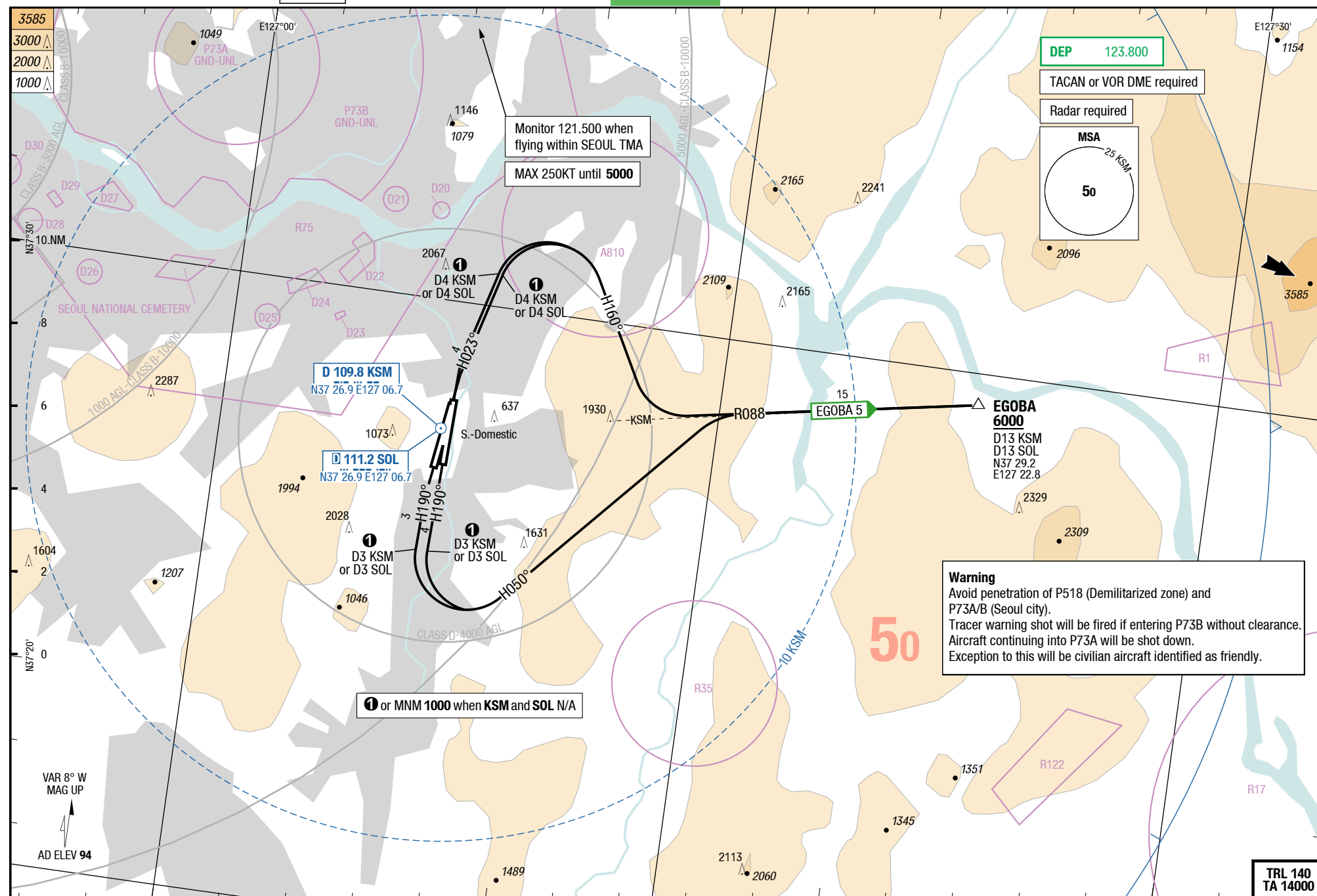
SSN-RKSM

EGOBA 5

SID

SID

EGOBA 5



Changes: Completely revised

TRL 140
TA 14000

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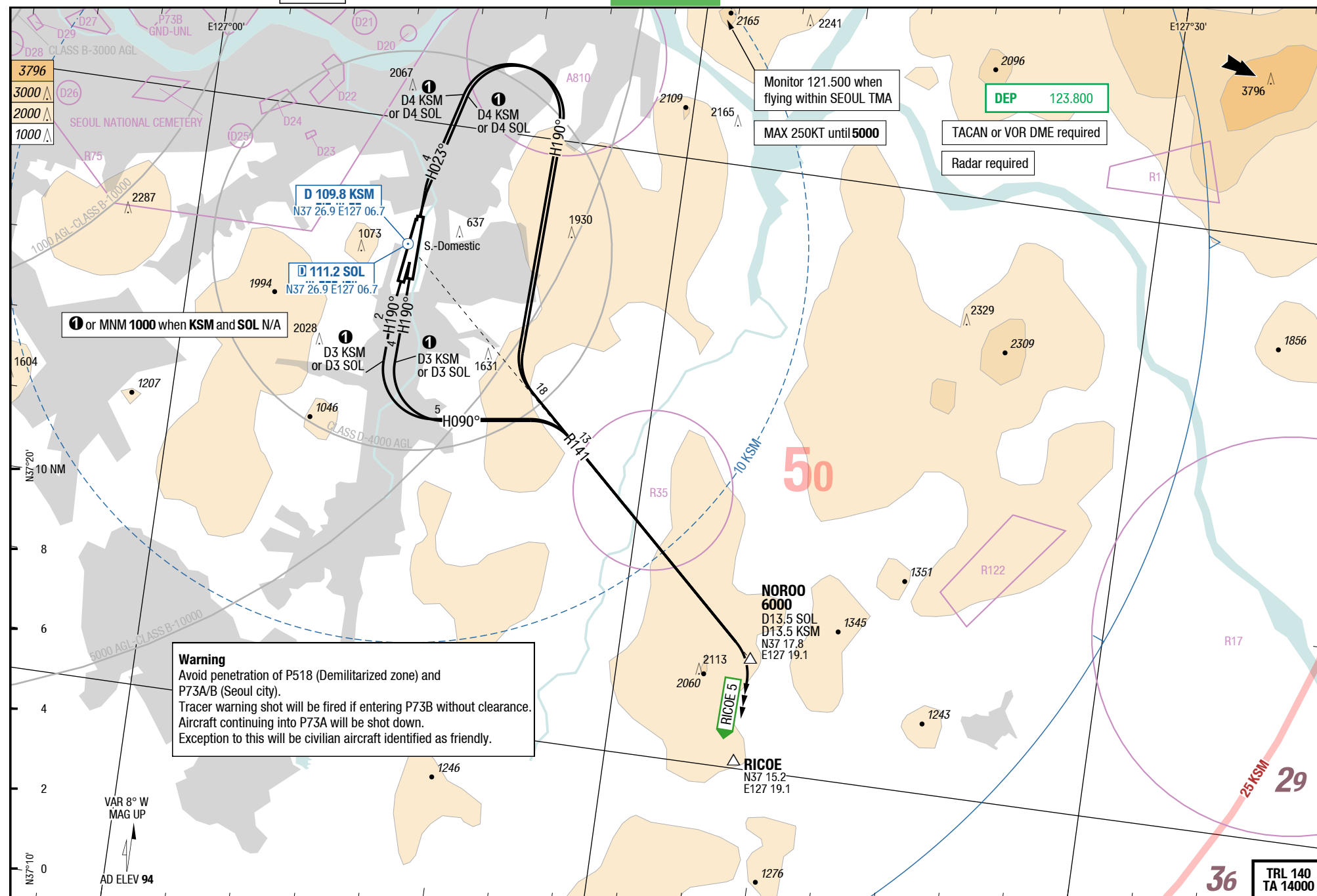
SSN-RKSM

RICOE 5

SID

SID

RICOE 5



Changes: Completely revised

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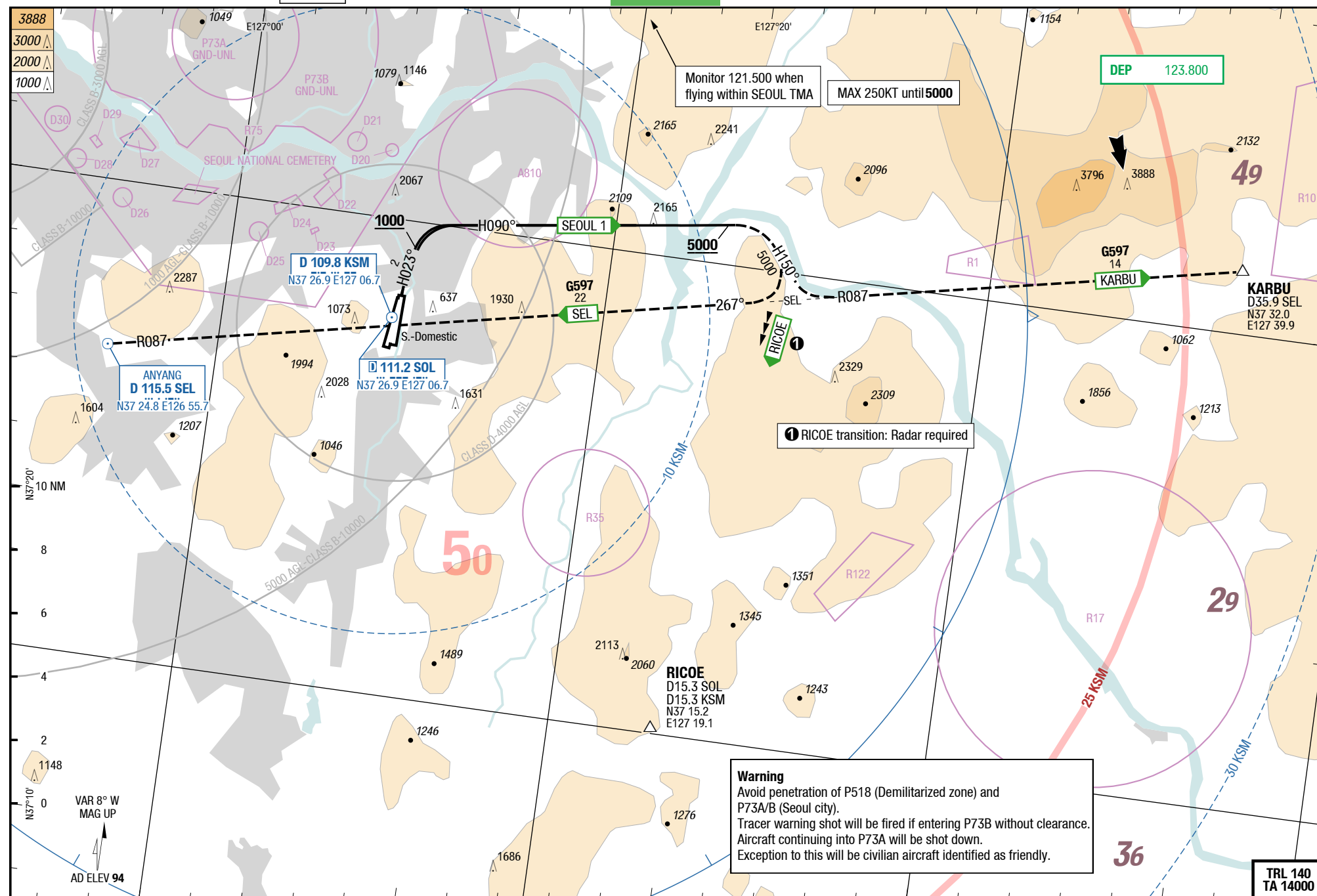
SSN-RKSM

SEOUL 1

SID

SID

SEOUL 1



Changes: Completely revised

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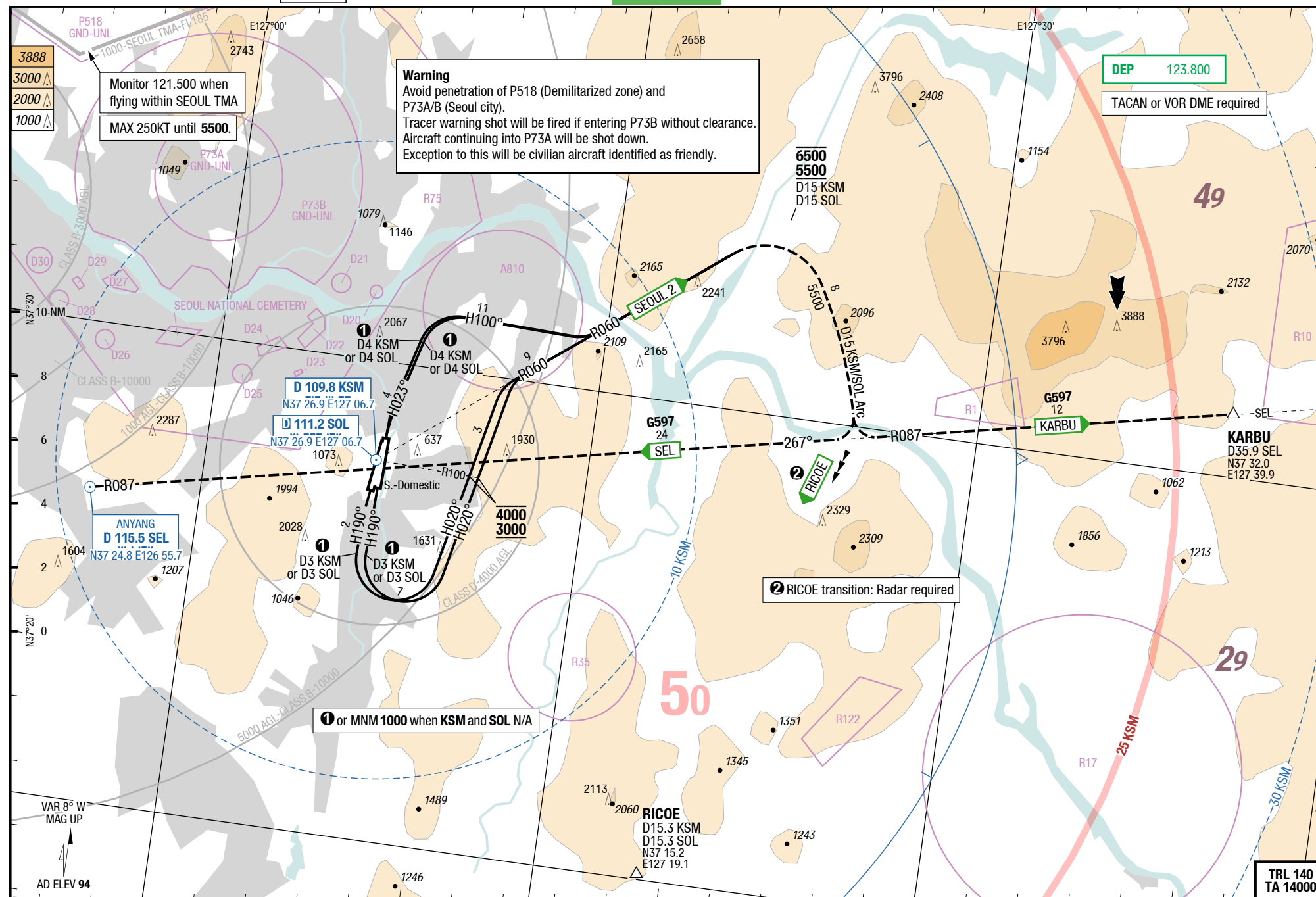
SSN-RKSM

SEOUL 2

SID

SID

SEOUL 2



Changes: Completely revised

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28-OCT-2016

Republic of Korea **Seoul** Seoul Domestic**SSN-RKSM****5-10****MEESA 1 RNAV****SIDPT****MEESA 1**

RWYs 01 (010°) / 02 (016°)

	GS	120	150	180	210	240	270
7.1%	ft/MIN	900	1100	1300	1600	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
MEESA 1 7.1% to 5000 123.800 ①③	HDG 023° - at MNM 2300 RT direct MEESA (MAX 250KT)	MEESA MNM 5000 initial climb 6000
	TRANSITION	
	EGOBA MEESA - EGOBA	EGOBA at 6000
	KARBU MEESA - KARBU	KARBU MNM 7000
	RICOE MEESA - EGOBA - NOROO - RICOE	EGOBA at 6000 NOROO at 6000 RICOE at 6000
	Runway 02	
MEESA 1 7.1% to 5000 123.800 ②③	HDG 023° - at MNM 2300 RT direct MEESA (MAX 250KT)	MEESA MNM 5000 initial climb 6000
	TRANSITION	
	EGOBA MEESA - EGOBA	EGOBA at 6000
	KARBU MEESA - KARBU	KARBU MNM 7000
	RICOE MEESA - EGOBA - NOROO - RICOE	EGOBA at 6000 NOROO at 6000 RICOE at 6000

- ① Hills, 3321ft from DER, 1411ft left of centerline, up to 230ft MSL / 161ft AGL. Terrain, 1964ft right of centerline, up to 342ft MSL / 273ft AGL.
- ② Terrain 2181ft right of centerline, up to 342ft MSL / 250ft AGL.
- ③ Expect filed ALT 10 MIN after DEP.

Changes: ALT

28-OCT-2016

Republic of Korea **Seoul** Seoul Domestic**SSN-RKSM****5-20****NOROO 1 RNAV****SIDPT****NOROO 1**

RWYs 19 (190°) / 20 (196°)

	GS	120	150	180	210	240	270
7.1%	ft/MIN	900	1100	1300	1600	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	Runway 19	
NOROO 1 7.1% to 5000 123.800 ①	HDG 190° - LT (20° bank) 121° to NOROO (MAX 210KT)	NOROO MNM 6000
	Runway 20	
NOROO 1 7.1% to 5000 123.800 ①	HDG 190° - LT (20° bank) 121° to NOROO (MAX 210KT)	NOROO MNM 6000

① If unable to comply with climb gradient, advise ATC on initial contact.

Changes: Nil

28-OCT-2016

Republic of Korea **Seoul** Seoul Domestic**SSN-RKSM****5-30****SOT 1 RNAV****SIDPT****SONGTAN 1**

RWYs 19 (190°) / 20 (196°)

	GS	120	150	180	210	240	270
8.3%	ft/MIN	1100	1300	1600	1800	2100	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 19	
SONGTAN 1 SOT 1 8.3% to 5000 123.800 ①②	HDG 190° - at MNM 1500 RT direct SOT	SOT MNM 8000
	Runway 20	
SONGTAN 1 SOT 1 8.3% to 5000 123.800 ①②	HDG 190° - at MNM 1500 RT direct SOT	SOT MNM 8000

① If unable to comply with climb gradient, advise ATC on initial contact.

② Special authorization by appropriate military authority and authorization by NOTAM about ASP control required

28-OCT-2016

Republic of Korea **Seoul** Seoul Domestic**SSN-RKSM****5-40****YEOJU 1 RNAV****SIDPT****YEOJU 1**

RWYs 19 (190°) / 20 (196°)

	GS	120	150	180	210	240	270
8.3%	ft/MIN	1100	1300	1600	1800	2100	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 19	
YEOJU 1 8.3% to 5000 123.800 ①②	HDG 190° - LT (20° bank) 112° to DOLIN (MAX 210KT) - LT (20° bank) 063° to YEOJU (MAX 210KT) DOLIN between 3000 and 4000 YEOJU MNM 6500 initial climb 6500	
	TRANSITION	
	ANYANG (SEL) YEOJU - GONDO (MAX 210KT) - JINSU - SEL GONDO MNM 6500 JINSU MNM 7500	
	KARBU YEOJU - KARBU KARBU MNM 7500	
	Runway 20	
YEOJU 1 8.3% to 5000 123.800 ①②	HDG 190° - LT (20° bank) 112° to DOLIN (MAX 210KT) - LT (20° bank) 063° to YEOJU (MAX 210KT) DOLIN between 3000 and 4000 YEOJU MNM 6500 initial climb 6500	
	TRANSITION	
	ANYANG (SEL) YEOJU - GONDO (MAX 210KT) - JINSU - SEL GONDO MNM 6500 JINSU MNM 7500	
	KARBU YEOJU - KARBU KARBU MNM 7500	

① Expect filed ALT 10 MIN after DEP.

② If unable to comply with climb gradient, advise ATC on initial contact.

Changes: PROC

EGOBA 5

RWYs 01 (010°) / 02 (016°) / 19 (190°) / 20 (196°)

	GS	120	150	180	210	240	270
7.4%	ft/MIN	900	1200	1400	1600	1800	2100
8.1%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
EGOBA 5 8.1% to 6000 123.800 ①⑤⑥	HDG 023° - at D4 KSM (or D4 SOL) - RT HDG 160° - intercept R088 KSM to EGOBA	EGOBA MNM 6000 initial climb 6000
	Runway 02	
EGOBA 5 8.1% to 6000 123.800 ②⑤⑥	HDG 023° - at D4 KSM (or D4 SOL) - RT HDG 160° - intercept R088 KSM to EGOBA	EGOBA MNM 6000 initial climb 6000
	Runway 19	
EGOBA 5 7.4% to 3000 123.800 ③⑤⑥	HDG 190° - at D3 KSM (or D3 SOL) - LT HDG 050° - intercept R088 KSM to EGOBA	EGOBA MNM 6000 initial climb 6000
	Runway 20	
EGOBA 5 7.4% to 3000 123.800 ④⑤⑥	HDG 190° - at D3 KSM (or D3 SOL) - LT HDG 050° - intercept R088 KSM to EGOBA	EGOBA MNM 6000 initial climb 6000

- ① Hills 3293ft from DER, 1382ft left of centerline, up to 237ft MSL / 169ft AGL. Hills 4183ft from DER, 1240ft left of centerline, up to 217ft MSL / 149ft AGL.
- ② Hills 3171ft from DER, 1584ft left of centerline, up to 237ft MSL / 169ft AGL. Hills 4051ft from DER, 1505ft left of centerline, up to 217ft MSL / 149ft AGL.
- ③ Hills 3842ft from DER, 522ft right of centerline, up to 187ft MSL / 110ft AGL. Hills 5981ft from DER, 341ft right of centerline, up to 277ft MSL / 200ft AGL. Hills 7535ft from DER, 2340ft right of centerline, up to 356ft MSL / 279ft AGL.
- ④ Hills 3092ft from DER, 1078ft right of centerline, up to 187ft MSL / 94ft AGL. Hills 5199ft from DER, 1494ft left of centerline, up to 277ft MSL / 184ft AGL. Hills 6962ft from DER, 321ft right of centerline, up to 356ft MSL / 263ft AGL.
- ⑤ When KSM and SOL N/A, turn at MNM 1000.
- ⑥ If unable to comply with climb gradient advise ATC on initial contact.

RICOE 5

RWYs 01 (010°) / 02 (016°) / 19 (190°) / 20 (196°)

	GS	120	150	180	210	240	270
7.4%	ft/MIN	900	1200	1400	1600	1800	2100
8.1%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
RICOE 5 8.1% to 2700 123.800 ①③⑥	HDG 023° - at D4 KSM (or D4 SOL) - RT HDG 190° - intercept R141 KSM to NOR00 - expect radar vectors to RICOE or filed en-route fix	NOR00 at 6000 initial climb 6000
	Runway 02	
RICOE 5 8.1% to 2700 123.800 ②③⑥	HDG 023° - at D4 KSM (or D4 SOL) - RT HDG 190° - intercept R141 KSM to NOR00 - expect radar vectors to RICOE or filed en-route fix	NOR00 at 6000 initial climb 6000
	Runway 19	
RICOE 5 7.4% to 6000 123.800 ③④⑥	HDG 190° - at D3 KSM (or D3 SOL) - LT HDG 090° - intercept R141 KSM to NOR00 - expect radar vectors to RICOE or filed en-route fix	NOR00 at 6000 initial climb 6000
	Runway 20	
RICOE 5 7.4% to 6000 123.800 ③⑤⑥	HDG 190° - at D3 KSM (or D3 SOL) - LT HDG 090° - intercept R141 KSM to NOR00 - expect radar vectors to RICOE or filed en-route fix	NOR00 at 6000 initial climb 6000

- ① Hills 3293ft from DER, 1382ft left of centerline, up to 237ft MSL / 169ft AGL. Hills 4183ft from DER, 1240ft left of centerline, up to 217ft MSL / 149ft AGL.
- ② Hills 3171ft from DER, 1584ft left of centerline, up to 237ft MSL / 169ft AGL. Hills 4051ft from DER, 1505ft left of centerline, up to 217ft MSL / 149ft AGL.
- ③ When KSM and SOL N/A, turn at MNM 1000.
- ④ Hills 3842ft from DER, 522ft right of centerline, up to 187ft MSL / 110ft AGL. Hills 5981ft from DER, 341ft right of centerline, up to 277ft MSL / 200ft AGL. Hills 7535ft from DER, 2340ft right of centerline, up to 356ft MSL / 279ft AGL.
- ⑤ Hills 3092ft from DER, 1078ft right of centerline, up to 187ft MSL / 94ft AGL. Hills 5199ft from DER, 1494ft left of centerline, up to 277ft MSL / 184ft AGL. Hills 6962ft from DER, 321ft right of centerline, up to 356ft MSL / 263ft AGL.
- ⑥ If unable to comply with climb gradient advise ATC on initial contact.

SEOUL 1

RWYs 01 (010°) / 02 (016°)

	GS	120	150	180	210	240	270
6.4%	ft/MIN	800	1000	1200	1400	1600	1800

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
SEOUL 1 6.4% to 5200 123.800 ①③	HDG 023° - at MNM 1000 RT HDG 090° to MNM 5000	initial climb 5000
	TRANSITION	
	ANYANG (SEL) at MNM 5000 RT direct SEL and climb to assigned ALT	
	KARBU at MNM 5000 RT HDG 150° - LT join AWY G597 (R087 SEL) to KARBU and climb to assigned ALT	
	RICOE expect radar vectors to RICOE	
	Runway 02	
SEOUL 1 6.4% to 5200 123.800 ②③	HDG 023° - at MNM 1000 RT HDG 090° to MNM 5000	initial climb 5000
	TRANSITION	
	ANYANG (SEL) at MNM 5000 RT direct SEL and climb to assigned ALT	
	KARBU at MNM 5000 RT HDG 150° - LT join AWY G597 (R087 SEL) to KARBU and climb to assigned ALT	
	RICOE expect radar vectors to RICOE	

① Hills 3293ft from DER, 1382ft left of centerline, up to 237ft MSL / 169ft AGL. Hills 4183ft from DER, 1240ft left of centerline, up to 217ft MSL / 149ft AGL.

② Hills 3171ft from DER, 1584ft left of centerline, up to 237ft MSL / 169ft AGL. Hills 4051ft from DER, 1505ft left of centerline, up to 217ft MSL / 149ft AGL.

③ If unable to comply with climb gradient advise ATC on initial contact.

SEOUL 2

RWYs 01 (010°) / 02 (016°)

	GS	120	150	180	210	240	270
8.1%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
SEOUL 2 8.1% to 5500 123.800 ①③④	HDG 023° - at D4 KSM (or D4 SOL) RT HDG 100° - intercept R060 KSM to D15 KSM	R060/D15 KSM between 5500 and 6500 initial climb 5500
	TRANSITION	
	ANYANG (SEL) join D15 KSM/SOL arc - RT join AWY G597 to SEL and climb to assigned ALT	
	KARBU join D15 KSM/SOL arc - LT join AWY G597 (R087 SEL) to KARBU and climb to assigned ALT	
	RICOE expect radar vectors to RICOE	
	Runway 02	
SEOUL 2 8.1% to 5500 123.800 ②③④	HDG 023° - at D4 KSM (or D4 SOL) RT HDG 100° - intercept R060 KSM to D15 KSM	R060/D15 KSM between 5500 and 6500 initial climb 5500
	TRANSITION	
	ANYANG (SEL) join D15 KSM/SOL arc - RT join AWY G597 to SEL and climb to assigned ALT	
	KARBU join D15 KSM/SOL arc - LT join AWY G597 (R087 SEL) to KARBU and climb to assigned ALT	
	RICOE expect radar vectors to RICOE	

- ① Hills 3293ft from DER, 1382ft left of centerline, up to 237ft MSL / 169 AGL. Hills 4183ft from DER, 1240ft left of centerline, up to 217ft MSL / 149 AGL.
- ② Hills 3171ft from DER, 1584ft left of centerline, up to 237ft MSL / 169 AGL. Hills 4051ft from DER, 1505ft left of centerline, up to 217ft MSL / 149 AGL.
- ③ If unable to comply with climb gradient advise ATC on initial contact.
- ④ When **KSM** or **SOL** N/A, turn at **MNM 1000**

SSN-RKSM

5-90

SEOUL 2**SEOUL 2**

RWYs 19 (190°) / 20 (196°)

	GS	120	150	180	210	240	270
7.4%	ft/MIN	900	1200	1400	1600	1800	2100

DESIGNATOR	ROUTING	ALTITUDES
	Runway 19	
SEOUL 2 7.4% to 3000 123.800 ①③④	HDG 190° - at D3 KSM (or D3 SOL) - LT HDG 020° - intercept R060 KSM to D15 KSM	R100 KSM between 3000 and 4000 R060/D15 KSM between 5500 and 6500 initial climb 5500
	TRANSITION	
	ANYANG (SEL) join D15 KSM/SOL arc - RT join AWY G597 to SEL and climb to assigned ALT	
	KARBU join D15 KSM/SOL arc - LT join AWY G597 (R087 SEL) to KARBU and climb to assigned ALT	
	RICOE expect radar vectors to RICOE	
	Runway 20	
SEOUL 2 7.4% to 3000 123.800 ②③④	HDG 190° - at D3 KSM (or D3 SOL) - LT HDG 020° - intercept R060 KSM to D15 KSM	R100 KSM between 3000 and 4000 R060/D15 KSM between 5500 and 6500 initial climb 5500
	TRANSITION	
	ANYANG (SEL) join D15 KSM/SOL arc - RT join AWY G597 to SEL and climb to assigned ALT	

① Hills 3842ft from DER, 522ft right of centerline, up to 187ft MSL / 110 AGL. Hills 5981ft from DER, 341ft right of centerline, up to 277ft MSL / 200 AGL. Hills 7535ft from DER, 2340ft right of centerline, up to 356ft MSL / 279 AGL.

② Hills 3092ft from DER, 1078ft right of centerline, up to 187ft MSL / 94 AGL. Hills 5199ft from DER, 1494ft left of centerline, up to 277ft MSL / 184 AGL. Hills 6962ft from DER, 321ft right of centerline, up to 356ft MSL / 263 AGL.

③ If unable to comply with climb gradient advise ATC on initial contact.

④ When KSM or SOL N/A, turn at MNM 1000

SEOUL 2

RWY 20 (196°)

	GS	120	150	180	210	240	270
7.4%	ft/MIN	900	1200	1400	1600	1800	2100

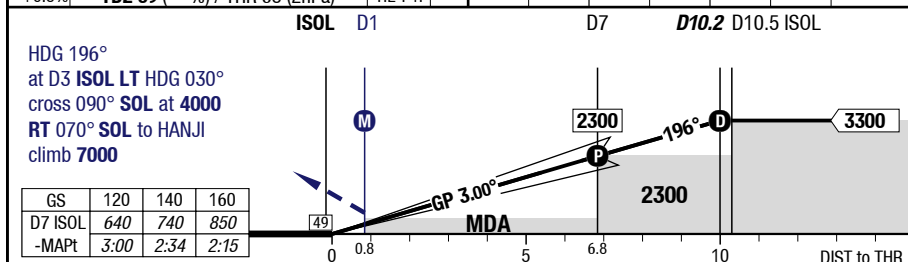
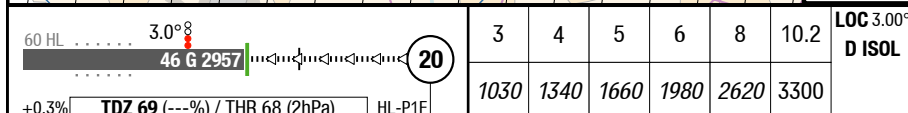
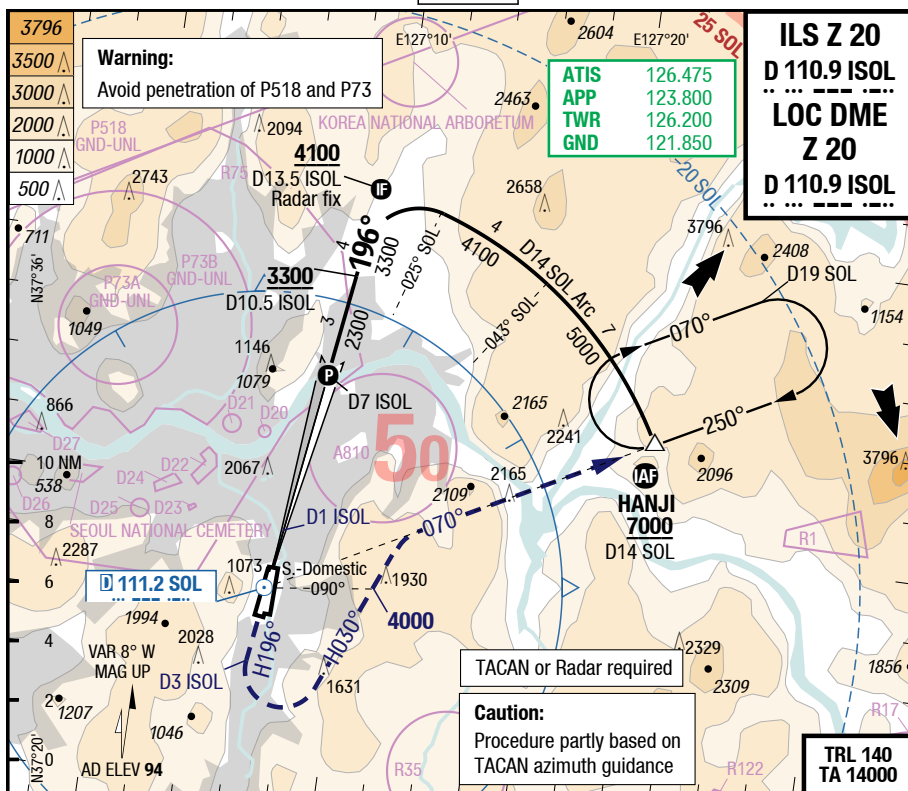
DESIGNATOR	ROUTING	ALTITUDES
	Runway 20	
	TRANSITION	
SEOUL 2 7.4% to 3000 123.800 ①②③	KARBU join D15 KSM/SOL arc - LT join AWY G597 (R087 SEL) to KARBU and climb to assigned ALT	
	RICOE expect radar vectors to RICOE	

- ① Hills 3092ft from DER, 1078ft right of centerline, up to 187ft MSL / 94 AGL. Hills 5199ft from DER, 1494ft left of centerline, up to 277ft MSL / 184 AGL. Hills 6962ft from DER, 321ft right of centerline, up to 356ft MSL / 263 AGL.
- ② If unable to comply with climb gradient advise ATC on initial contact.
- ③ When KSM or SOL N/A, turn at MNM 1000

SSN-RKSM

7-10

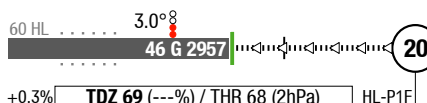
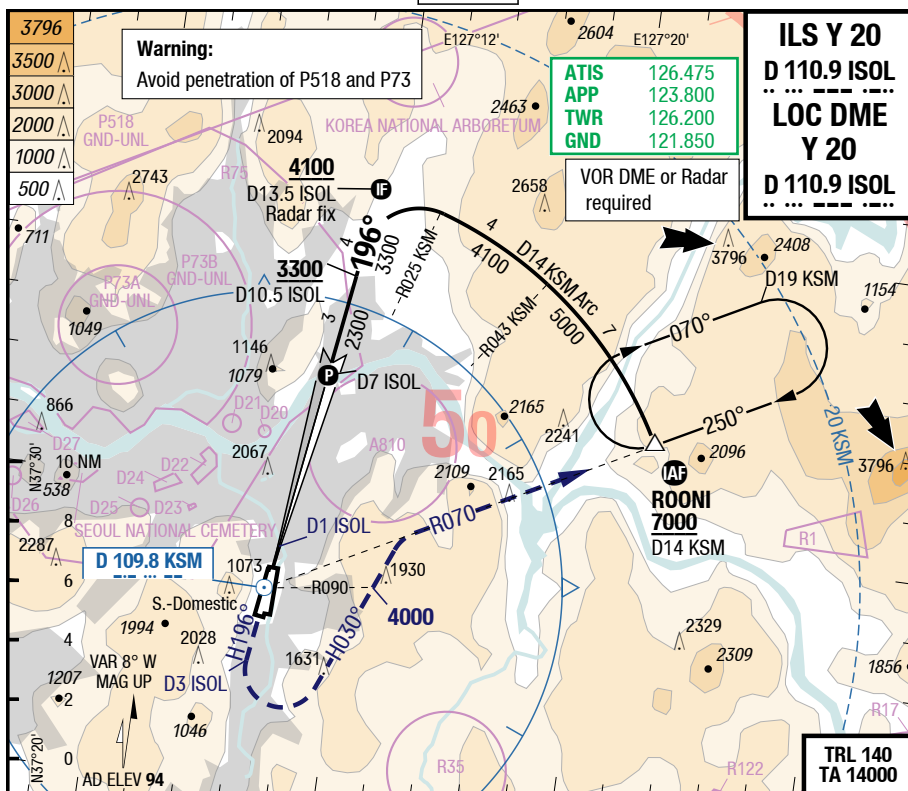
ILS Z 20 / LOC DME Z 20



<div> <div>TERPs</div> <div>20</div> </div>		Cat 1 DME	Cat 1 DME	LOC DME	Circling ⁶⁾	Circling ^{7) 8)}
		GA 5.8% 1) 2) 3)	GA 5.8% APL U/S 1) 3) 4)	GA 7.3% 5)	TERPS	TERPS
C	ft - ft/SM ft	410 - 4500/0.88V 480	410 - 1,38V 480	460 - 4500R/0.88V 520	Not authorized	1470 - 3.0V 1560
D	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480	460 - 4500R/0.88V 520	Not authorized	2170 - 3.0V 2260

1) Autopilot coupled APCH NA below DA 2) With EVS RVR 3000ft/ VIS 0.63SM 3) Up to 3000 ft 4) With EVS VIS 1.0SM 5) Up to 4000 ft
6) ILS 7) LOC 8) E of RWY 02/20 only

Changes: MIN, ALT, Track, APL, Profile, HLDG

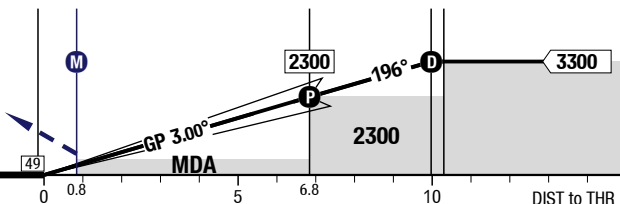
SSN-RKSM**7-20****ILS Y 20 / LOC DME Y 20**

3	4	5	6	8	10.2	LOC 3.00° D ISOL
1030	1340	1660	1980	2620	3300	

HDG 196°
at D3 ISOL LT HDG 030°
cross R090 KSM at 4000
intercept R070 KSM to ROONI
climb 7000

GS	120	140	160
D7 ISOL	640	740	850
-MAPt	3:00	2:34	2:15

ISOL D1 D7 D10.2 D10.5 ISOL



20		Cat 1 DME GA 5.8% 1) 2) 3)	Cat 1 DME GA 5.8% APL U/S 1) 3) 4)	LOC DME GA 7.3% 5)	Circling 6)	Circling 7) 8)
TERPS		TERPS			TERPS	
C	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480	460 - 4500R/0.88V 520	Not authorized	1470 - 3.0V 1560
D	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480	460 - 4500R/0.88V 520	Not authorized	2170 - 3.0V 2260

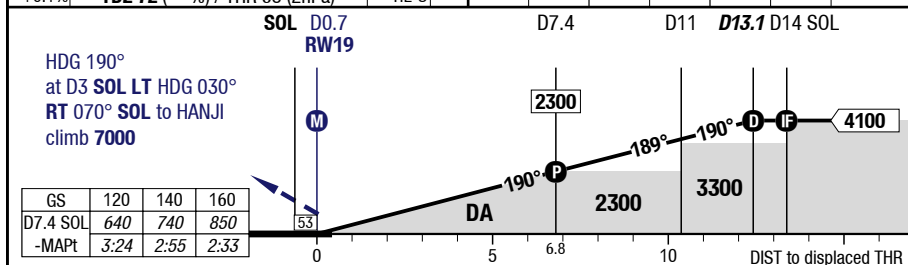
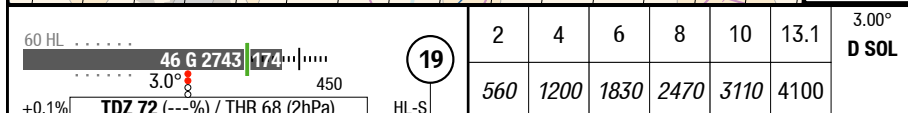
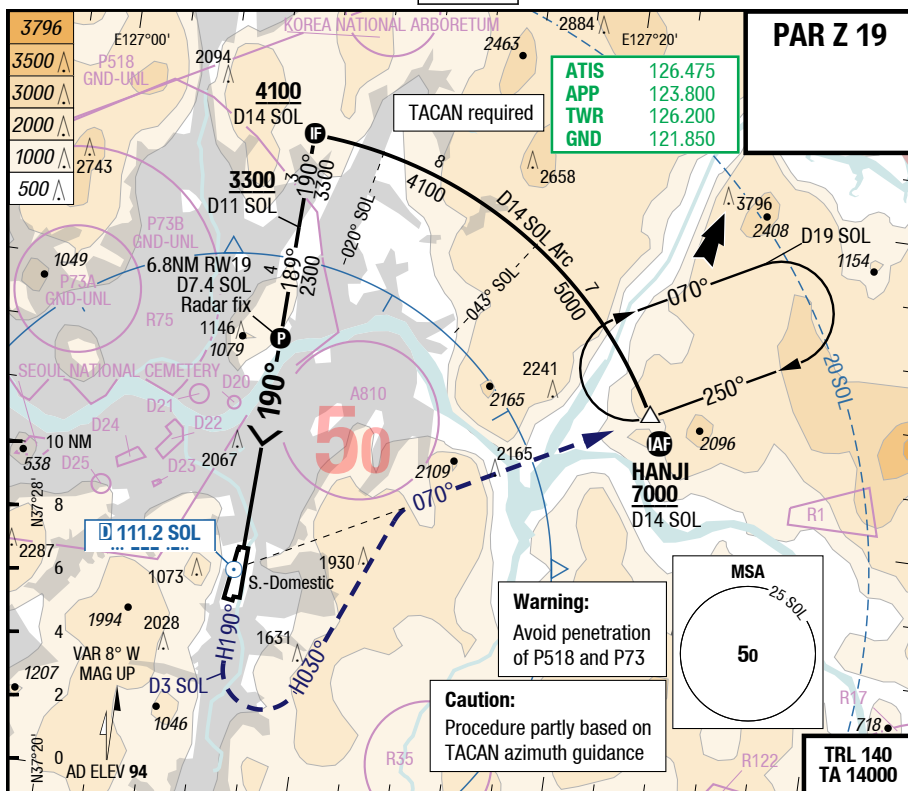
1) Autopilot coupled APCH NA below DA 2) With EVS RVR 3000ft/ VIS 0.63SM 3) Up to 3000 ft 4) With EVS VIS 1.0SM 5) Up to 4000 ft
6) ILS 7) LOC 8) E of RWY 02/20 only

Changes: MIN, ALT, APL, Profile, OBST

SSN-RKSM

7-30

PAR Z 19



19		PAR	PAR	Circling	
TERPS		GA 6.1% 1) 2)	GA 6.1% APL U/S 2) 3)	TERPS	
C	ft - ft/SM ft	400 - 5500R/1.0V 470	400 - 1.25V 470	Not authorized	
D	ft - ft/SM ft	400 - 5500R/1.0V 470	400 - 1.25V 470	Not authorized	

1) With EVS RVR 3700ft/ VIS 0.63SM

3) With EVS VIS 0.88SM

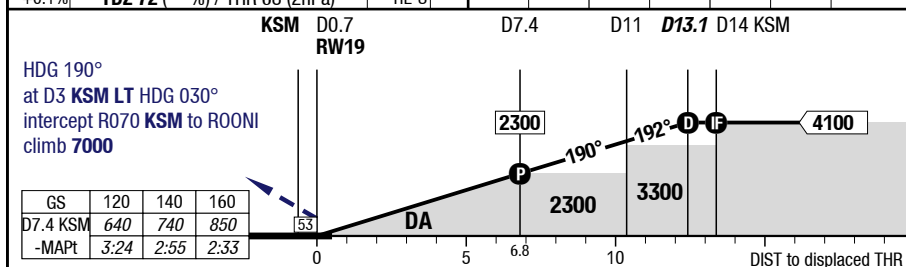
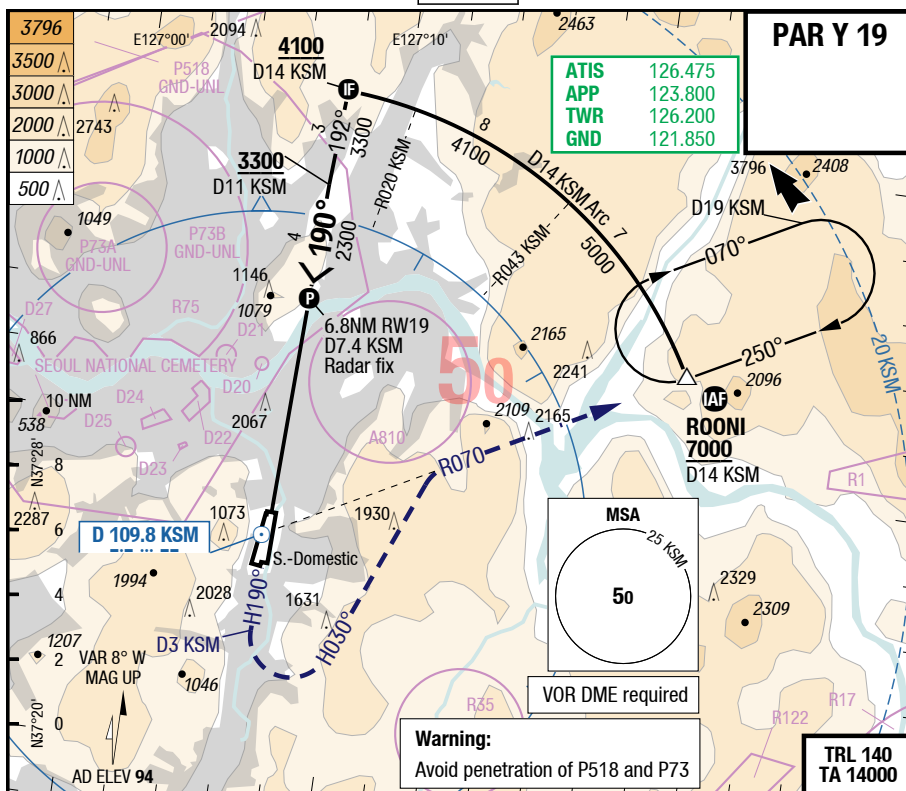
2) Up to 3000 ft

Changes: MIN, ALT, OBST, Track, APL, Profile

SSN-RKSM

7-40

PAR Y 19



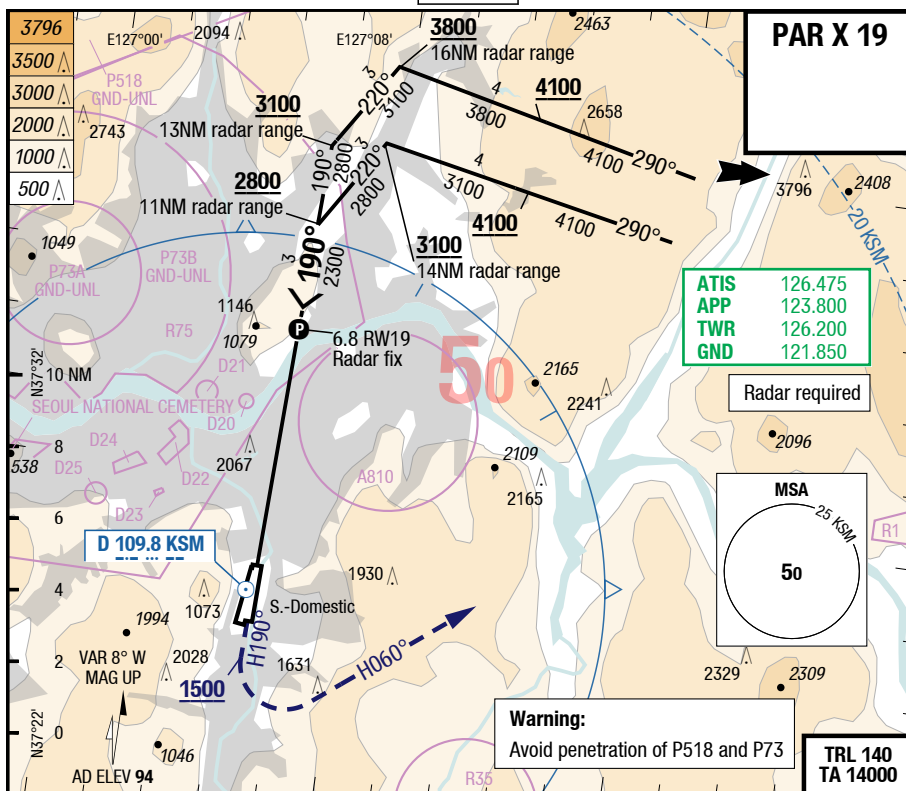
<div> <div>TERPS</div> <div>19</div> </div>		PAR	PAR				Circling
		GA 6.1% 1) 2)	GA 6.1% APL U/S 2) 3)				TERPS
C	ft - ft/SM ft	400 - 5500R/1.0V 470	400 - 1.25V 470				Not authorized
D	ft - ft/SM ft	400 - 5500R/1.0V 470	400 - 1.25V 470				Not authorized

1) With EVS RVR 3700ft/ VIS 0.63SM

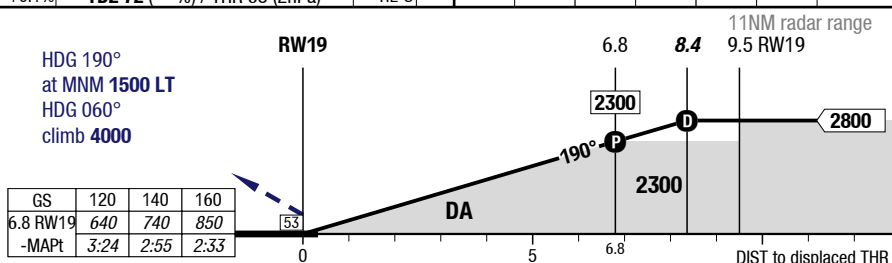
3) With EVS VIS 0.88SM

2) Up to 3000 ft

Changes: MIN, ALT, APL, OBST, Profile

SSN-RKSM**7-50****PAR X 19**

60 HL	46 G 2743	174	19	2	3	4	5	6	8.4	3.00°
TDZ 72 (---%) / THR 68 (2hPa)	3.0°	450	HL-S	770	1090	1410	1730	2050	2800	RW19



TERPS	19	PAR GA 6.1% 1) 2)	PAR GA 6.1% APL U/S 2) 3)	Circling TERPS
C	ft - ft/SM ft	400 - 5500R/1.0V 470	400 - 1,25V 470	Not authorized
D	ft - ft/SM ft	400 - 5500R/1.0V 470	400 - 1,25V 470	Not authorized

1) With EVS RVR 3700ft/ VIS 0.63SM

3) With EVS VIS 0.88SM

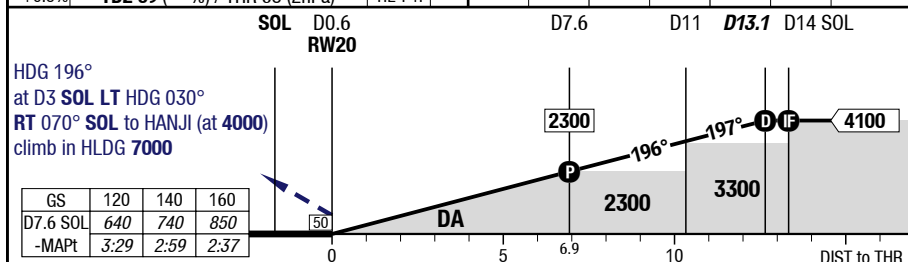
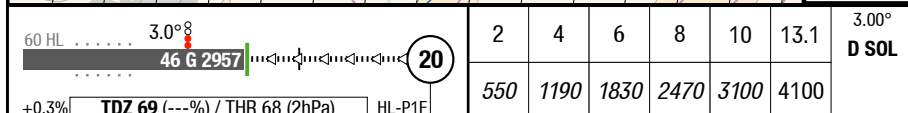
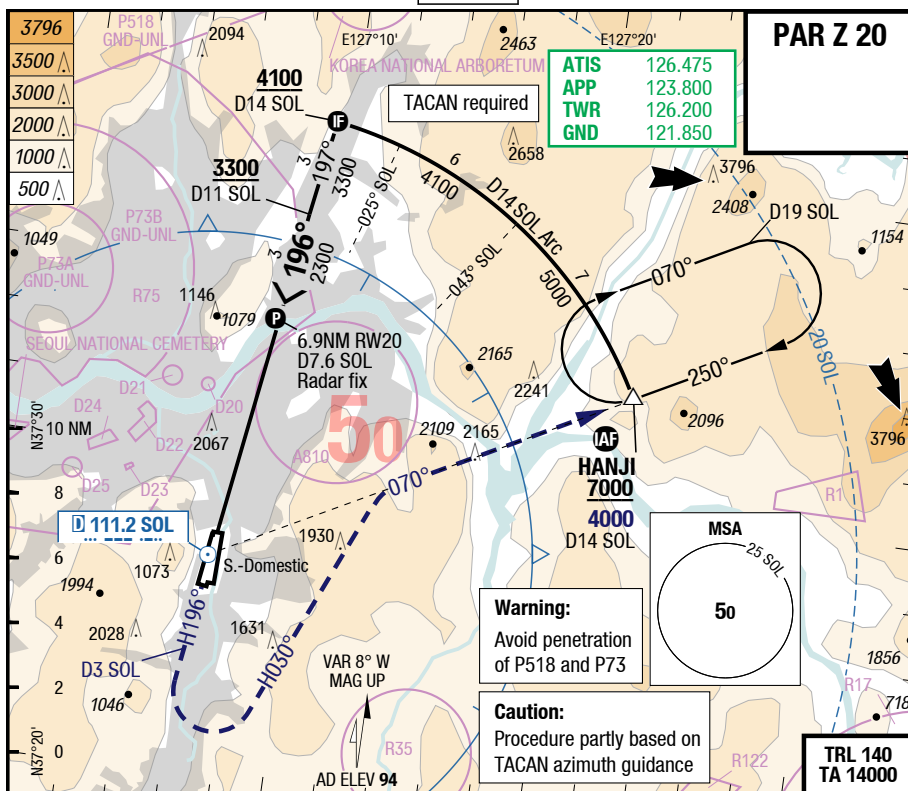
2) Up to 3000 ft

Changes: Completely revised

SSN-RKSM

7-60

PAR Z 20



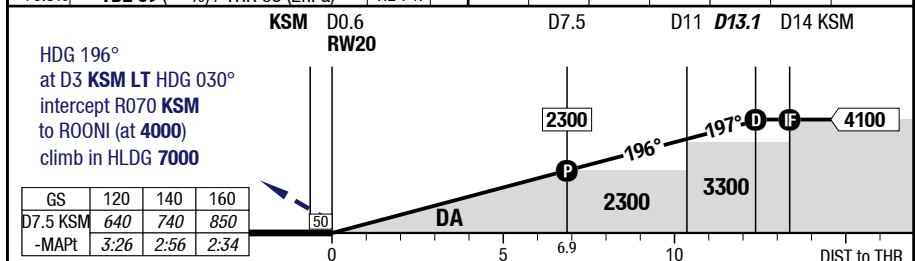
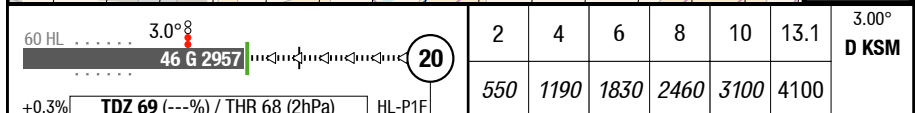
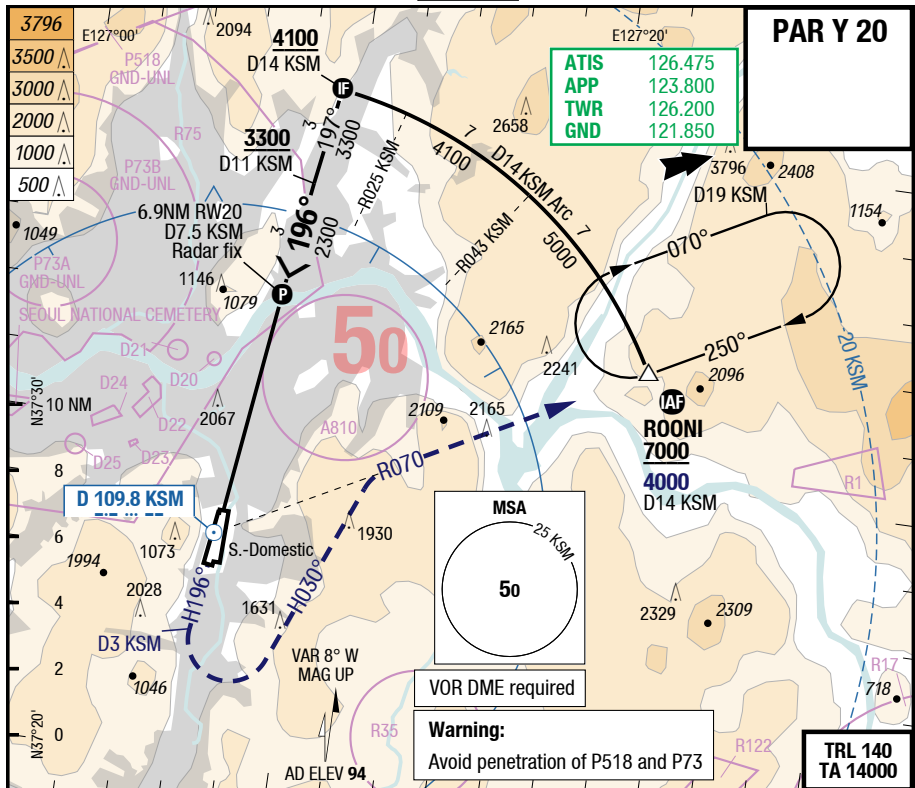
20		PAR	PAR	Circling	
TERPS		GA 5.8% 1) 2)	GA 5.8% APL U/S 2) 3)	TERPS	
C	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480	Not authorized	
D	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480	Not authorized	

1) With EVS RVR 3000ft/ VIS 0.63SM

3) With EVS VIS 1.0SM

2) Up to 3000 ft

Changes: MIN, ALT, APL, OBST, Profile

SSN-RKSM**7-70****PAR Y 20**

20		PAR	PAR	Circling	
TERPS		GA 5.8% 1) 2)	GA 5.8% APL U/S 2) 3)	TERPS	
C	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480	Not authorized	
D	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480	Not authorized	

1) With EVS RVR 3000ft/ VIS 0.63SM

3) With EVS VIS 1.0SM

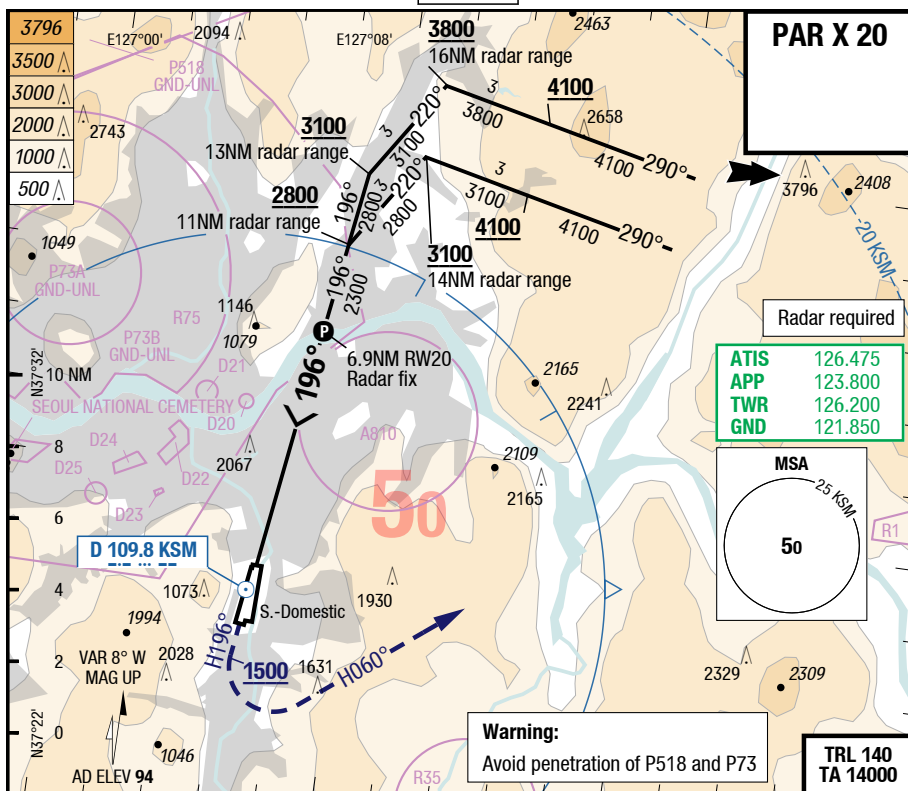
2) Up to 3000 ft

Changes: MIN, ALT, Track, APL, Profile, OBST

SSN-RKSM

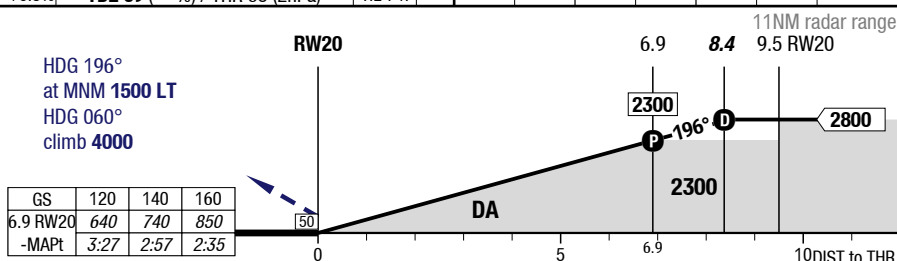
7-80

PAR X 20



60 HL 3.0° 8
 46 G 2957
 +0.3% **TDZ 69** (---%) / THR 68 (2hPa) HL-P1F

2	3	4	5	6	8.4	3.00°
750	1070	1390	1700	2020	2800	RW20



20		PAR GA 5.8% 1) 2)	PAR GA 5.8% APL U/S 2) 3)	Circling TERPS	
C	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480		Not authorized
D	ft - ft/SM ft	410 - 4500R/0.88V 480	410 - 1,38V 480		Not authorized

1) With EVS RVR 3000ft/ VIS 0.63SM

3) With EVS VIS 1.0SM

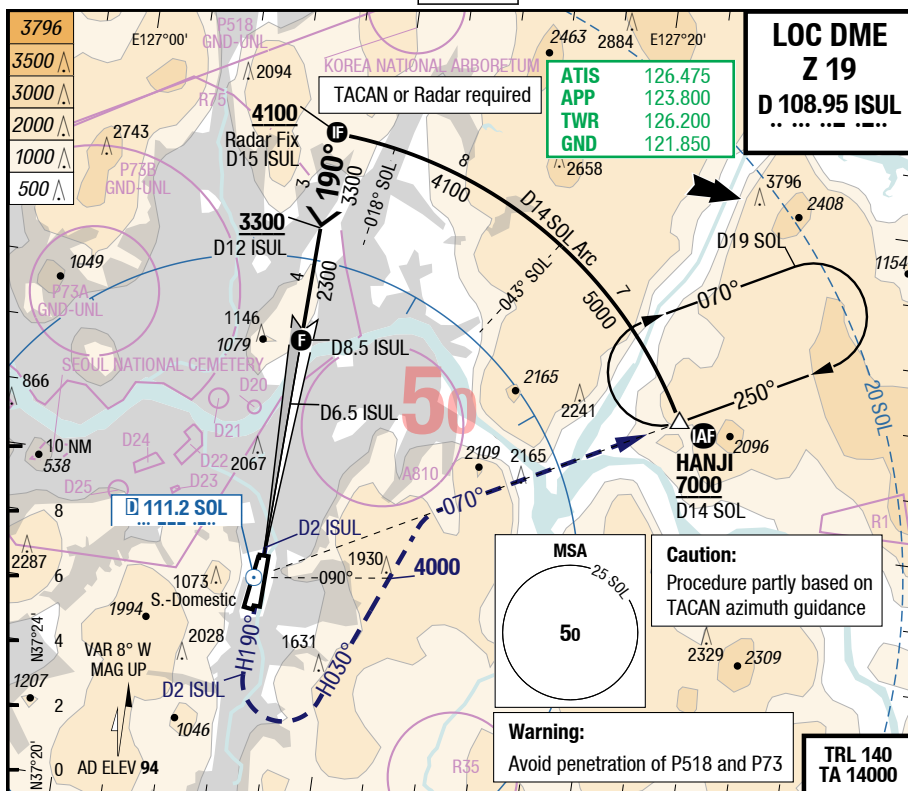
2) Up to 3000 ft

Changes: Completely revised

07-DEC-2017

Korea, Republic of **Seoul** Seoul Domestic**SSN-RKSM****7-90****LOC DME Z 19**

IAC



60 HL
46 G 2743 174
3.0°
+0.1% TDZ 72 (---%) / THR 68 (2hPa)

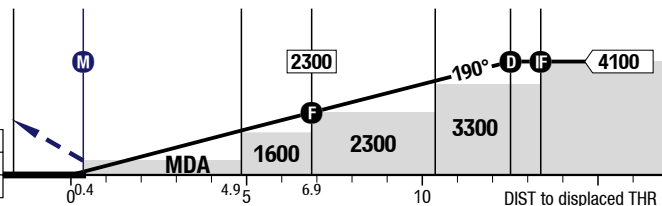
19

4	6	8	10	13	14.1	3.00° D ISUL
880	1520	2150	2790	3740	4100	

ISUL D2 D6.5 D8.5 D12 **D14.1** D15 ISUL

HDG 190°
at D2 ISUL LT HDG 030°
cross 090° SOL at 4000
RT 070° SOL to HANJI
climb 7000

GS	120	140	160
D8.5 ISUL	640	740	850
-MAPt	3:15	2:47	2:26



19	LOC DME GA 5.3% 1)					Circling 2) TERPS
C	ft - ft/SM ft	530 - 1.25V 600				1470 - 3.0V 1560
D	ft - ft/SM ft	530 - 1.25V 600				2170 - 3.0V 2260

1) Up to 3000 ft

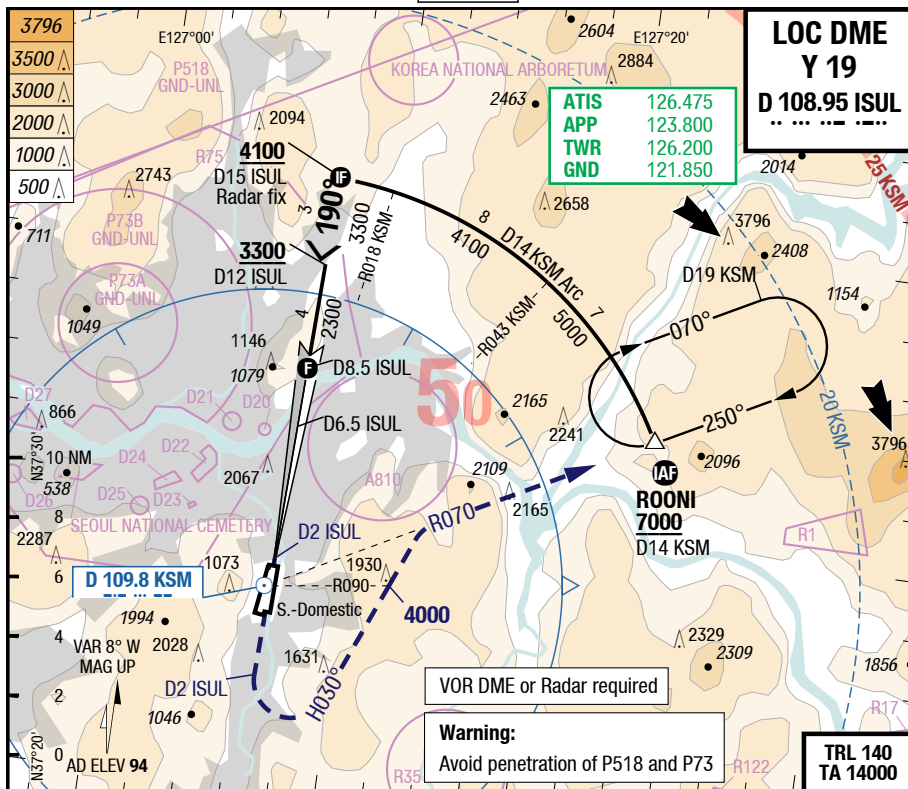
2) E of RWY 01/19 only

Changes: Nil

07-DEC-2017

Korea, Republic of **Seoul** Seoul Domestic

IAC

SSN-RKSM**7-100****LOC DME Y 19**

19		LOC DME		Circling 2)	
T _{Enr}		GA 5.3% 1)		TERPS	
C	ft - ft/SM ft	530 - 1.25V 600		1470 - 3.0V 1560	
D	ft - ft/SM ft	530 - 1.25V 600		2170 - 3.0V 2260	

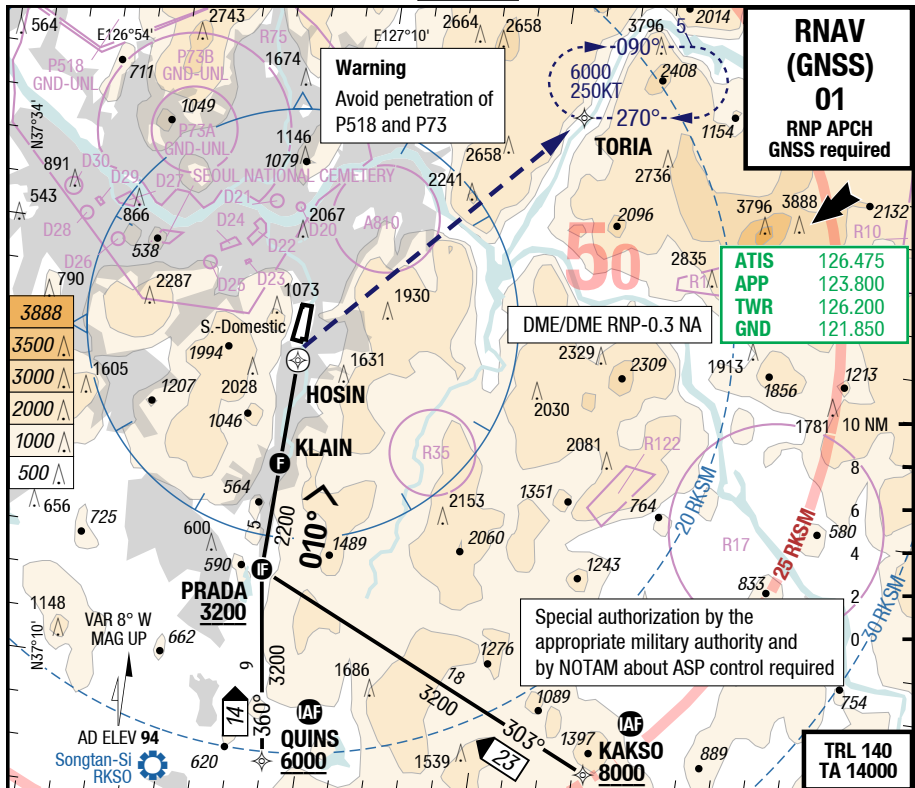
1) Up to 3000 ft
2) E of RWY 01/19 only

Changes: MIN

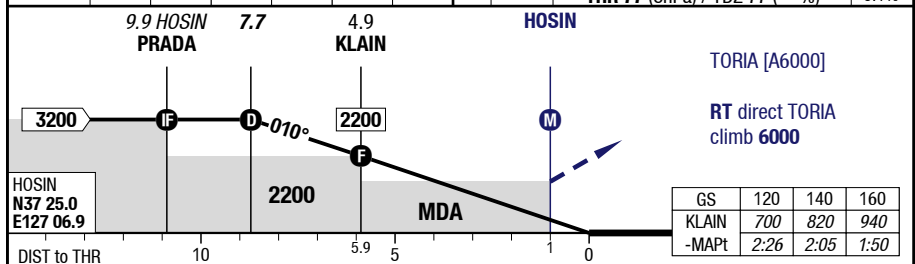
SSN-RKSM

7-110

RNAV (GNSS) 01



3.32° HOSIN	7.7	7	6	5	4	3	01	83.6° 2743 G 46	60 HL
	3200	2950	2600	2250	1890	1540		83.6°	



<div>01</div> <div>TERPS</div>		RNAV GNSS LNAV GA 5.0% ¹⁾					Circling
							TERPS
C	ft - ft/SM ft	1430 - 3.0V 1500					Not authorized
D	ft - ft/SM ft	1430 - 3.0V 1500					Not authorized

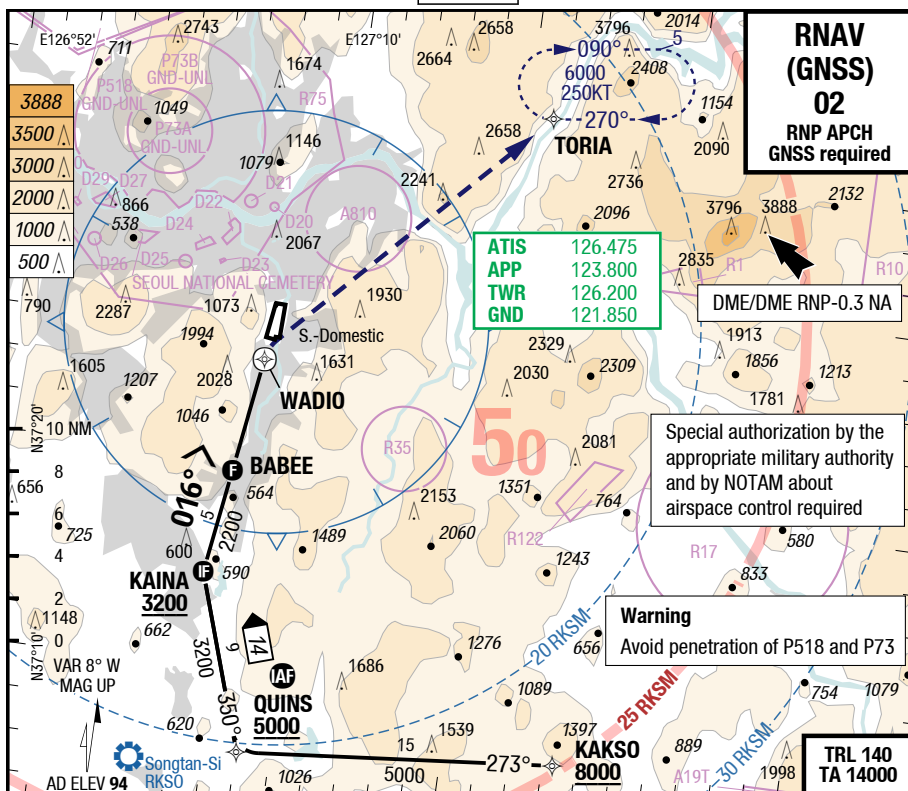
1) Up to 2200 ft

Changes: APL

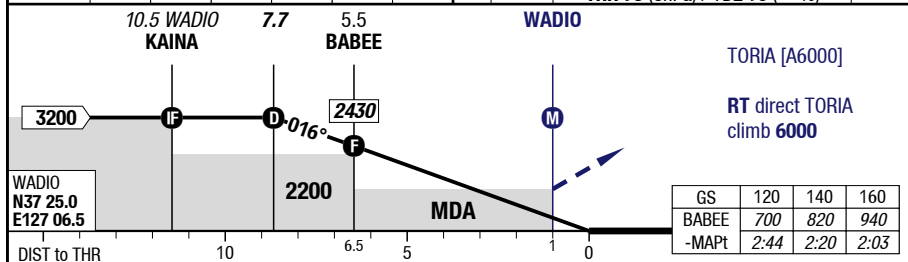
SSN-RKSM

7-120

RNAV (GNSS) 02



3.32°	7.7	7	6	5	4	3	02	83.6°	60 HL
WADW	3200	2970	2620	2260	1910	1560		2957 G 46	
								83.6°	
								THR 93 (3hPa) / TDZ 93 (---%)	-0.3%



02	RNAV GNSS					Circling
TERPS	LNNAV	GA 6.5% 1)				TERPS
C	ft - ft/SM	1150 - 3.0V				Not authorized
D	ft - ft/SM	1150 - 3.0V				Not authorized

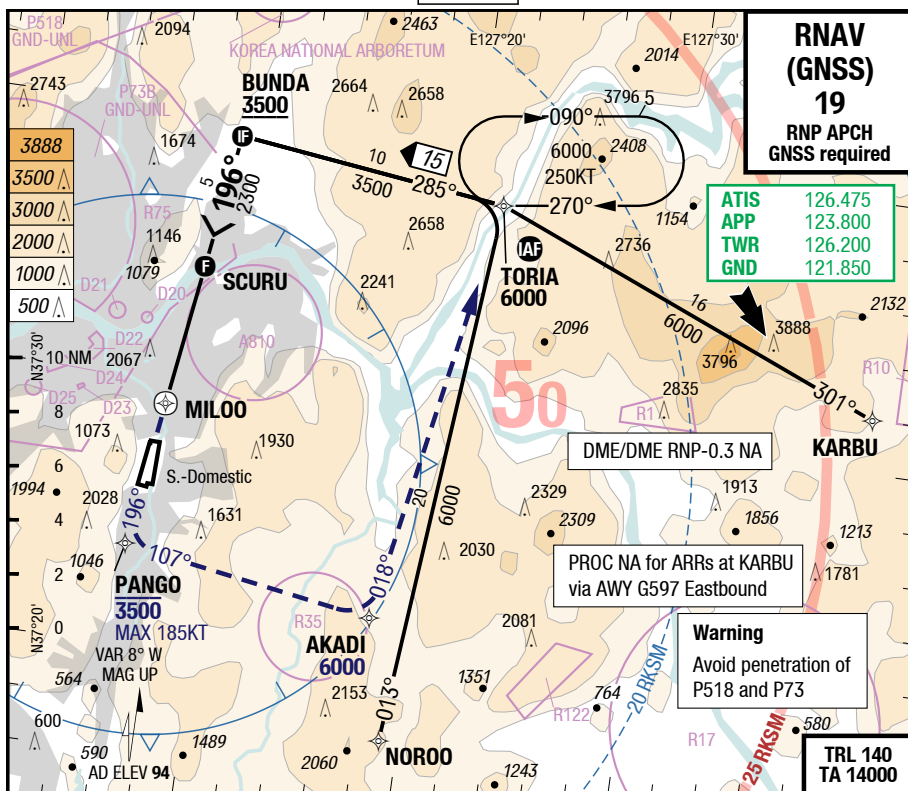
1) Up to 2300 ft

Changes: APL

SSN-RKSM

7-130

RNAV (GNSS) 19



60 HL

46 G 2743 174

3.0° 450

+0.1% TDZ 72 (---%) / THR 68 (2hPa) HL-S

19

2	3	4	6	7	9.1	3.00°
1260	1570	1890	2530	2850	3500	MILOO 196° RWY 190°

PANGO [A3500-; K185-] -
AKADI [A6000] - TORIA [A6000]

196° to PANGO

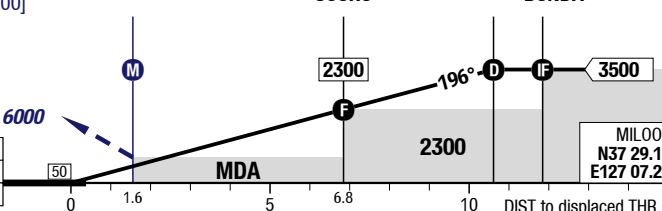
(MAX 3500, MAX 185KT)

LT 107° to AKADI (at 6000)

LT 1018° to TORIA - maintain 6000

GS	120	140	160
SCURU	640	740	850
-MAPt	2:39	2:16	1:59

MILOO 5.3 SCURU 9.1 10.3 MILOO
BUNDA



19		RNAV GNSS VNAV	RNAV GNSS LNAV	Circling	
TERPS		GA 6.5% 1) 2) 3) 4)	GA 6.5% 4)	TERPS	
C	ft - ft/SM ft	640 - 2.5V 720	790 - 2.5V 860		1470 - 3.0V 1560
D	ft - ft/SM ft	640 - 2.5V 720	790 - 2.5V 860		2170 - 3.0V 2260

1) Uncompensated BARO VNAV NA below -19°C (-2°F)

2) SBAS-VNAV not authorized

3) With EVS VIS 1.66SM

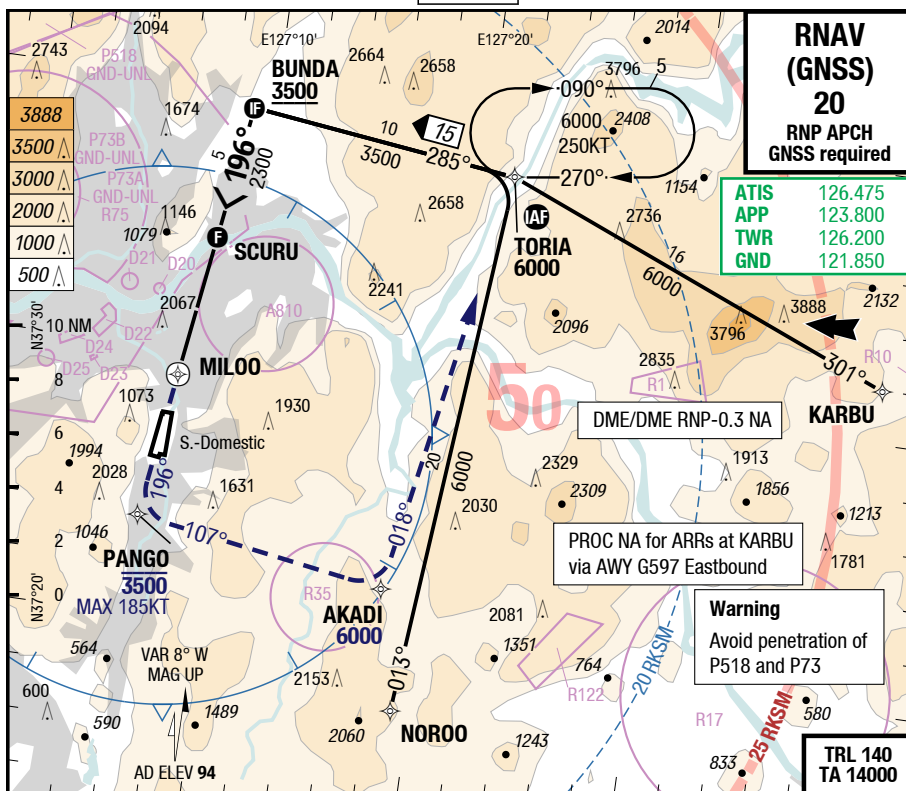
4) Up to 3000 ft

Changes: MIN, APL

SSN-RKSM

7-140

RNAV (GNSS) 20



60 HL	3.0°8	46 G 2957	20	2	3	4	6	7	9.1	3.00°
+0.3%	TDZ 69 (---%) / THR 68 (2hPa)	HL -P1E		1260	1570	1890	2530	2850	3500	MIL00

PANGO [A3500-; K185-] -
AKADI [A6000] - TORIA [A6000]

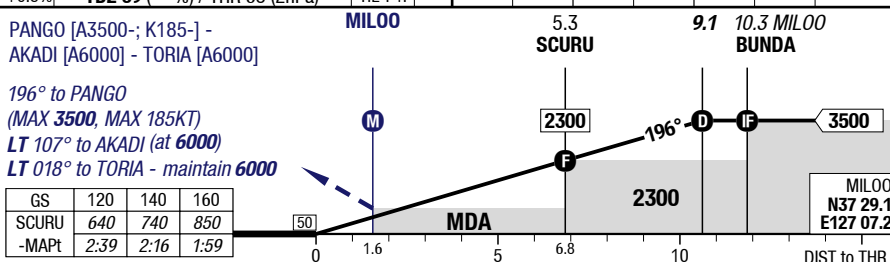
196° to PANGO

(MAX 3500, MAX 185KT)

LT 107° to AKADI (at 6000)

LT 018° to TORIA - maintain 6000

GS	120	140	160
SCURU	640	740	850
-MAPt	2:39	2:16	1:59



TERPS	20		RNAV GNSS VNAV GA 6.5% 1) 2) 3) 4)	RNAV GNSS LNAV GA 6.5% 4)			Circling
							TERPS
C	ft - ft/SM ft	650 - 2.5V 720	800 - 2.5V 860				1470 - 3.0V 1560
D	ft - ft/SM ft	650 - 2.5V 720	800 - 2.5V 860				2170 - 3.0V 2260

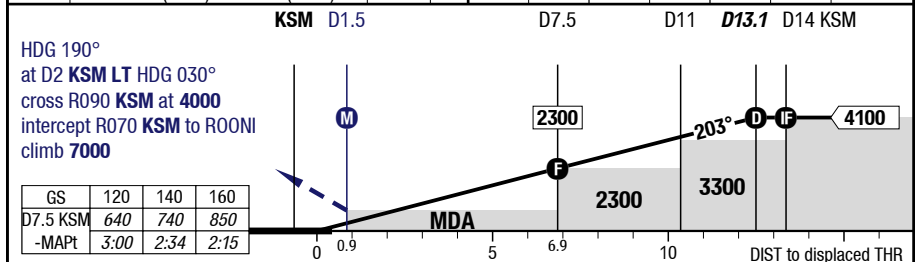
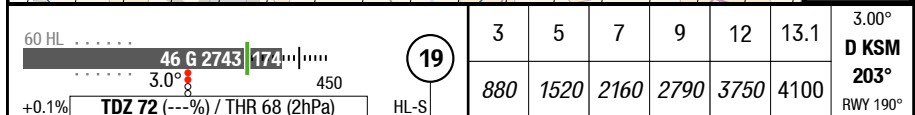
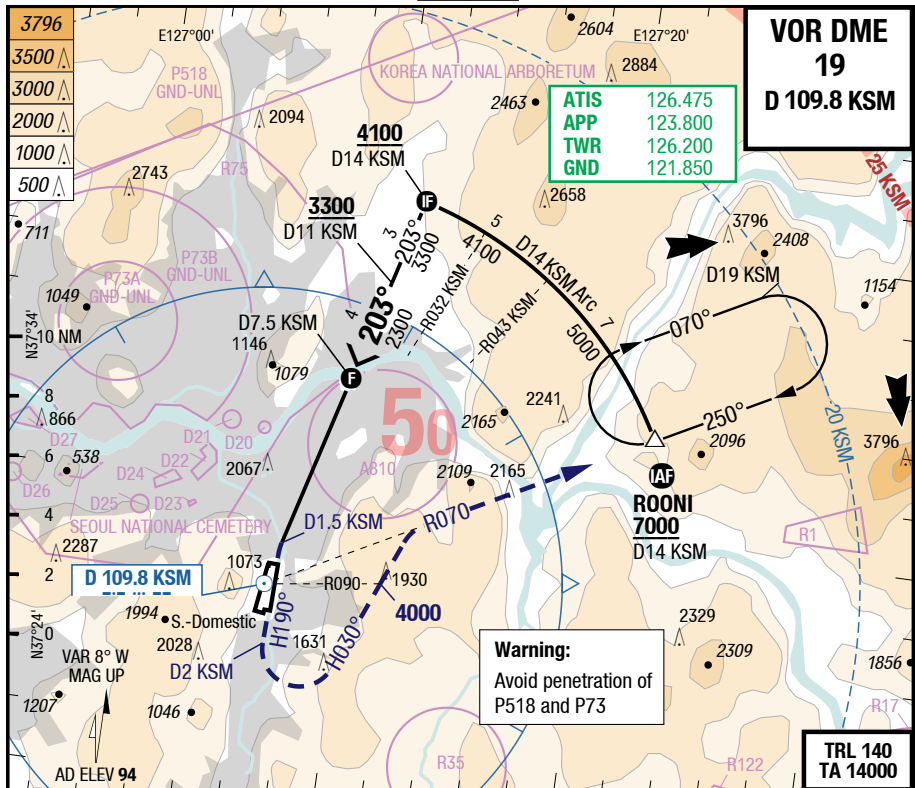
- 1) Uncompensated BARO VNAV NA below -19°C (-2°F)
2) SBAS-VNAV not authorized

- 3) With EVS VIS 1.66SM
4) Up to 3000 ft

SSN-RKSM

7-150

VOR DME 19



19		VOR DME GA 6.5% ¹⁾					Circling ²⁾ TERPS
C	ft - ft/SM ft	750 - 2.0V 820					1470 - 3.0V 1560
D	ft - ft/SM ft	750 - 2.0V 820					2170 - 3.0V 2260

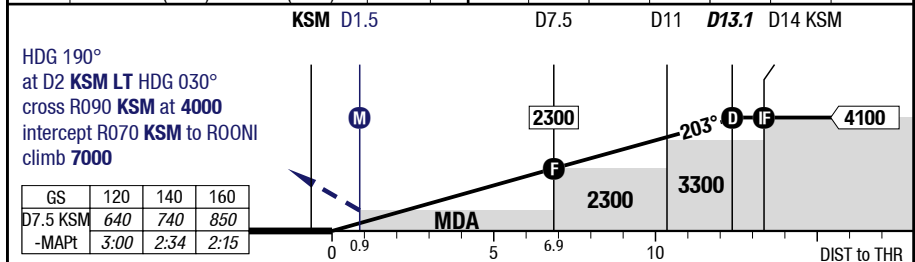
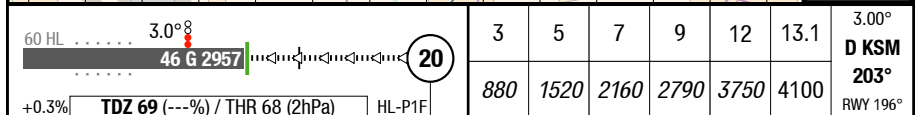
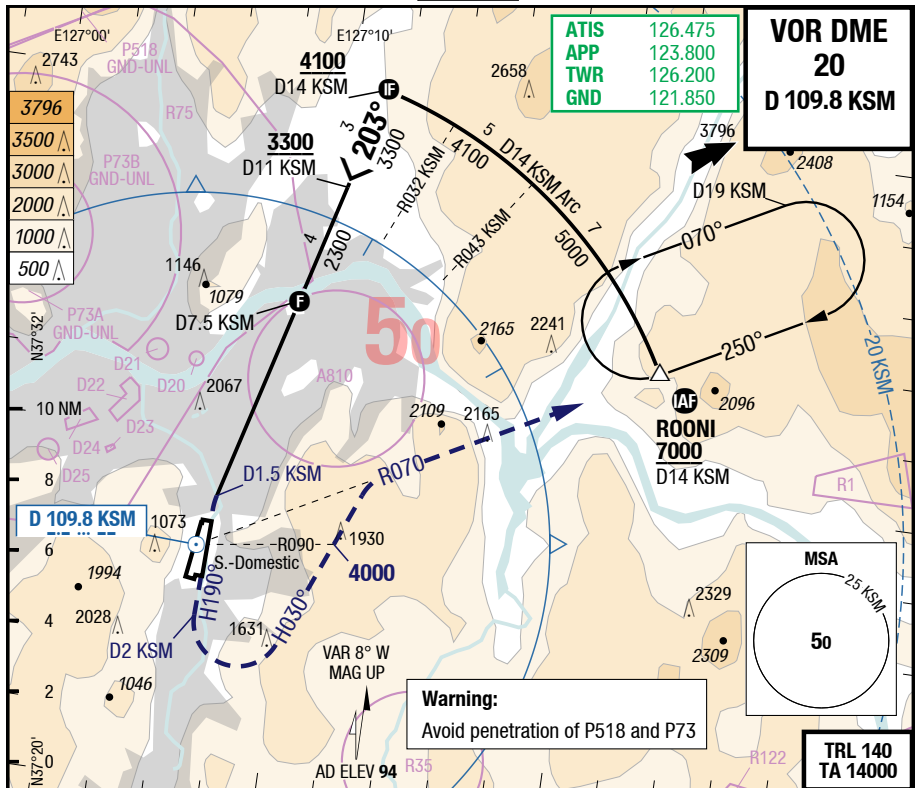
1) Up to 3000 ft
2) E of RWY 01/19 only

Changes: Completely revised

SSN-RKSM

7-160

VOR DME 20



TERP	20		VOR DME GA 6.5% ¹⁾					Circling ²⁾ TERPS
	C	ft - ft/SM ft	760 - 1.75V 820					1470 - 3.0V 1560
	D	ft - ft/SM ft	760 - 1.75V 820					2170 - 3.0V 2260

1) Up to 3000 ft	
2) E of RWY 02/20 only	

Changes: MIN, ALT, Track, APL, Profile, OBST