

**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 15L - ELEV 23 ft

SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

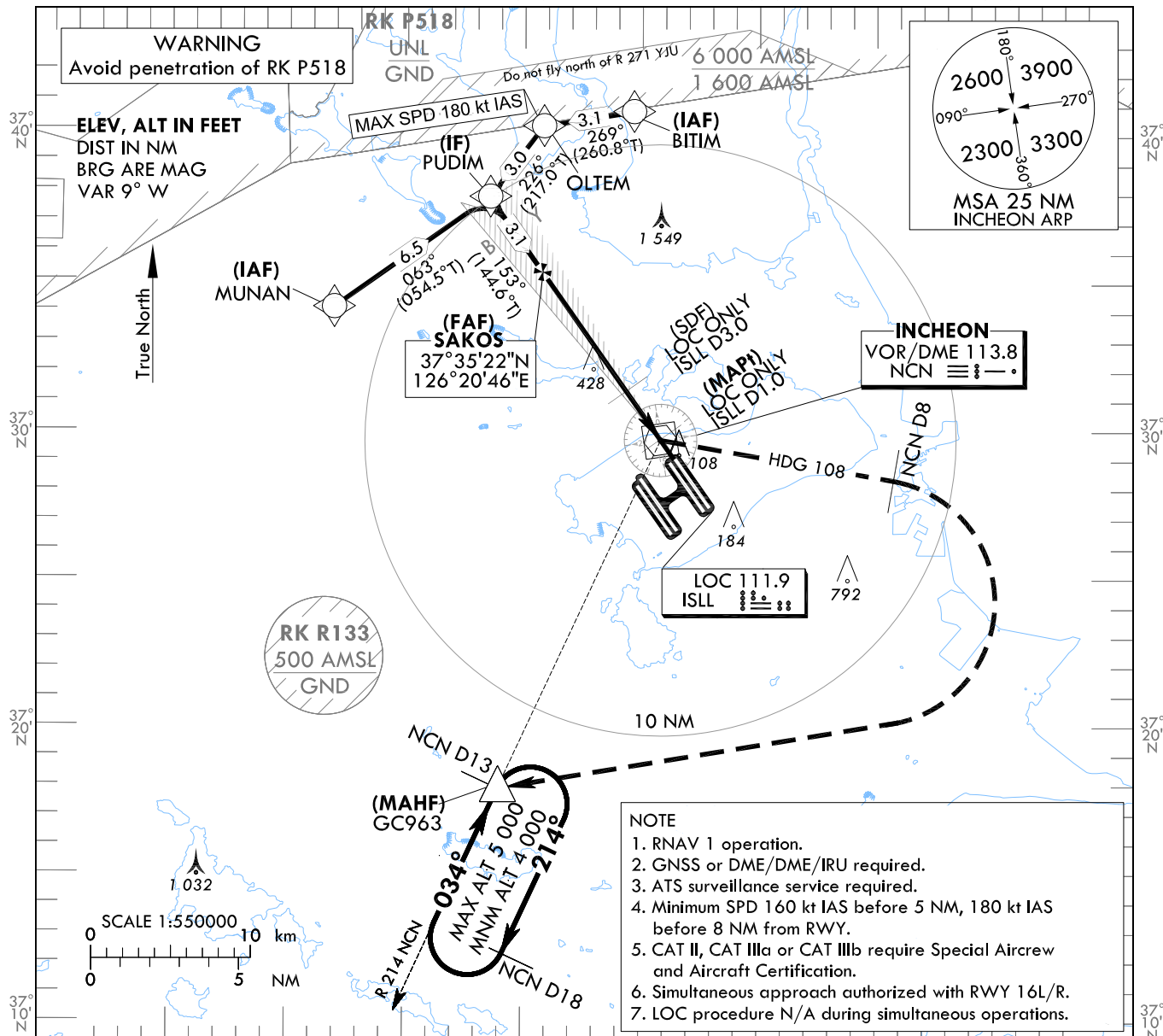
SEOUL/Incheon Intl(RKSI)
ILS Z or LOC Z RWY 15L
CAT II & III

Note : Approach under ICAO Flight Procedures.

126°20'E

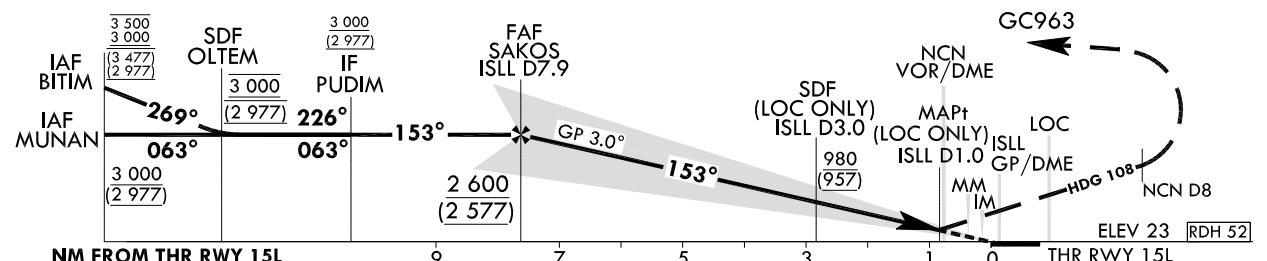
126°30'E

126°40'E



TRANSITION ALT 14 000
TRANSITION LVL FL 140

RECOMMENDED PROFILE	DME ISLL	7	6	5	4	3	2
Final Approach Gradient 5.37%, 326 ft/NM	ALT(HGT)	2 306 (2 283)	1 980 (1 957)	1 653 (1 630)	1 327 (1 304)	1 001 (978)	674 (651)



CATEGORY		DA(DH)/MDA(MDH)	A	B	C	D
Straight-in	CAT-I	FULL	223 (200)	RVR 550 m, VIS 800 m		
		ALS INOP		1 200 m		
	LOC	FULL	370 (347)	900 m		
		ALS INOP		1 600 m		
	CAT II		123(100)	300 m		300 m ¹⁾ / 350 m
	CAT IIIa		-	175 m		
	CAT IIIb		-	75 m ²⁾ / 125 m		

MISSED APPROACH

Climb to 520 ft on RWY HDG then turn left on HDG 108° to NCN 8 DME, continue climb to 4 000 ft turn right direct to GC963. Hold as published.

Do not turn before passing MAPt.

1) For CAT D aeroplane conducting an autoland.

2) Aeroplane use Fail-operational system.

* Timing Not authorized for defining MAPt.

* Circling Not authorized.

Change : Information of ALT restriction at BITIM, MUNAN, OLTEM and Establishment of ALT restriction at PUDIM.

SEOUL/Incheon Intl(RKSI)
ILS Z or LOC Z RWY 15L
CAT II & III

AERONAUTICAL DATA TABULATION

ILS Z/LOC Z Approach to RWY 15L from MUNAN to PUDIM(IF)	
Fix / Point	Coordinates
MUNAN(IAF)	37°34'09.3"N 126°11'53.0"E
PUDIM(IF)	37°37'54.2"N 126°18'30.0"E

ILS Z/LOC Z Approach to RWY 15L from BITIM to PUDIM(IF)	
Fix / Point	Coordinates
BITIM(IAF)	37°40'48.0"N 126°24'36.1"E
OLTEM(SDF)	37°40'18.2"N 126°20'46.3"E
PUDIM(IF)	37°37'54.2"N 126°18'30.0"E

ILS Z/LOC Z Approach to RWY 15L from PUDIM(IF) to MAHF	
Fix / Point	Coordinates
SAKOS(FAF) BRG 153.15°/7.92 NM ISLL	37°35'22.4"N 126°20'45.7"E
D3.0 ISLL(SDF) (LOC ONLY) BRG 153.15°/2.98 NM ISLL	37°31'20.2"N 126°24'21.7"E
D1.0 ISLL(MAPt) (LOC ONLY) BRG 153.15°/0.98 NM ISLL	37°29'42.2"N 126°25'49.0"E
NCN VOR/DME	37°29'41.7"N 126°25'49.2"E
THR RWY 15L	37°29'02.20"N 126°26'24.56"E
ISLL DME	37°28'56.4"N 126°26'35.6"E
Climb to 520 ft HDG 153	-
D8 NCN HDG 108	-
GC963 BRG 213.53°/13.00 NM NCN	37°17'53.0"N 126°18'58.0"E

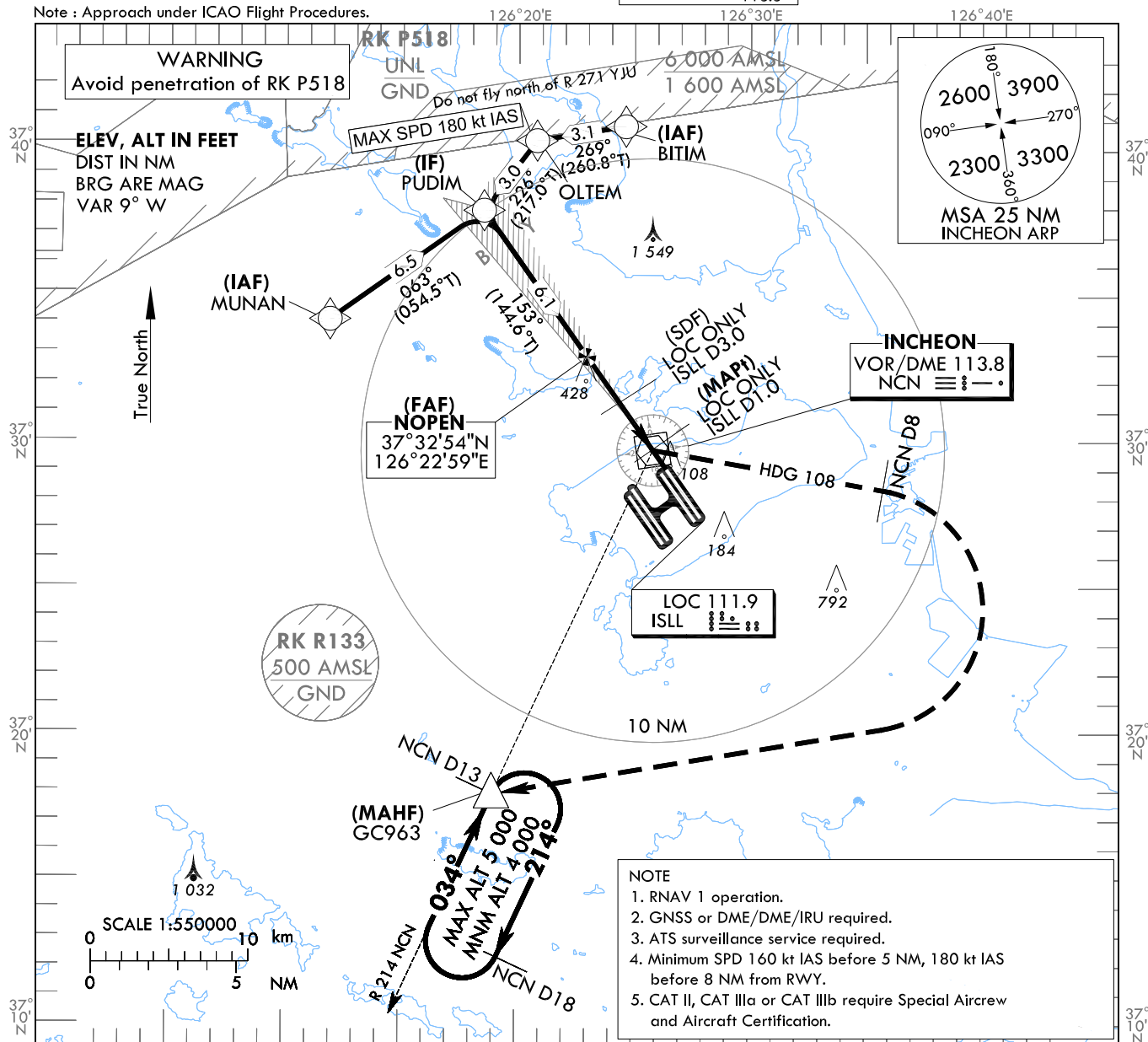
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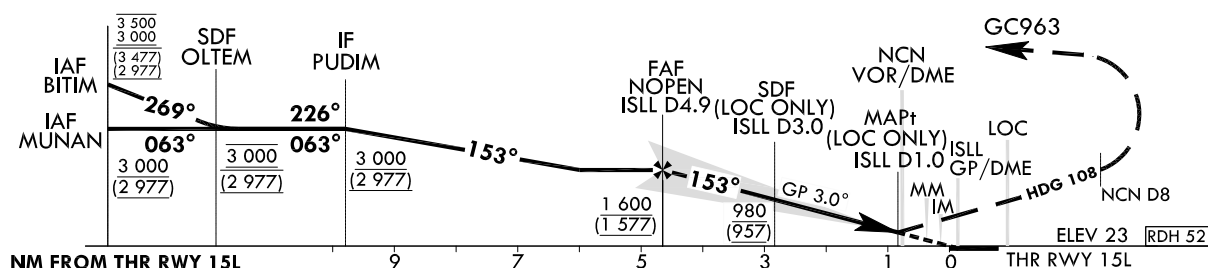
SEOUL/Incheon Intl(RKSI)
ILS Y or LOC Y RWY 15L
CAT II & III

Note : Approach under ICAO Flight Procedures.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

RECOMMENDED PROFILE	DME ISLL	4	3	2
Final Approach Gradient 5.30%, 322 ft/NM	ALT(HGT)	1 310 (1 287)	982 (965)	666 (643)



CATEGORY		DA(DH)/MDA(MDH)	A	B	C	D
Straight-in	CAT-I	FULL	223 (200)	RVR 550 m, VIS 800 m		
		ALS INOP		1 200 m		
	LOC	FULL	370 (347)	900 m		
		ALS INOP		1 600 m		
	CAT II		123(100)	300 m		300 m ¹⁾ / 350 m
	CAT IIIa		-	175 m		
	CAT IIIb		-	75 m ²⁾ / 125 m		

MISSED APPROACH

Climb to 520 ft on RWY HDG then turn left on HDG 108° to NCN 8 DME, continue climb to 4 000 ft turn right direct to GC963. Hold as published. Do not turn before passing MAPt.
1) For CAT D aeroplane conducting an autoland.
2) Aeroplane use Fail-operational system.
* Timing Not authorized for defining MAPt.
* Circling Not authorized.

Change : Information of ALT restriction at BITIM, MUNAN, OLTEM and PUDIM.

SEOUL/Incheon Intl(RKSI)
ILS Y or LOC Y RWY 15L
CAT II & III

AERONAUTICAL DATA TABULATION

ILS Y/LOC Y Approach to RWY 15L from MUNAN to PUDIM(IF)		
Fix / Point	Coordinates	
MUNAN(IAF)	37°34'09.3"N	126°11'53.0"E
PUDIM(IF)	37°37'54.2"N	126°18'30.0"E

ILS Y/LOC Y Approach to RWY 15L from BITIM to PUDIM(IF)		
Fix / Point	Coordinates	
BITIM(IAF)	37°40'48.0"N	126°24'36.1"E
OLTEM(SDF)	37°40'18.2"N	126°20'46.3"E
PUDIM(IF)	37°37'54.2"N	126°18'30.0"E

ILS Y/LOC Y Approach to RWY 15L from PUDIM(IF) to MAHF		
Fix / Point	Coordinates	
NOPEN(FAF)	BRG 153.15°/4.89 NM ISLL	37°32'53.5"N 126°22'58.5"E
D3.0 ISLL (SDF LOC ONLY)	BRG 153.15°/2.98 NM ISLL	37°31'20.2"N 126°24'21.7"E
D1.0 ISLL (MAPt LOC ONLY)	BRG 153.15°/0.98 NM ISLL	37°29'42.2"N 126°25'49.0"E
NCN VOR/DME		37°29'41.7"N 126°25'49.2"E
THR RWY 15L		37°29'02.20"N 126°26'24.56"E
ISLL DME		37°28'56.4"N 126°26'35.6"E
Climb to 520 ft	HDG 153	-
D8 NCN	HDG 108	-
GC963	BRG 213.53°/13.00 NM NCN	37°17'53.0"N 126°18'58.0"E

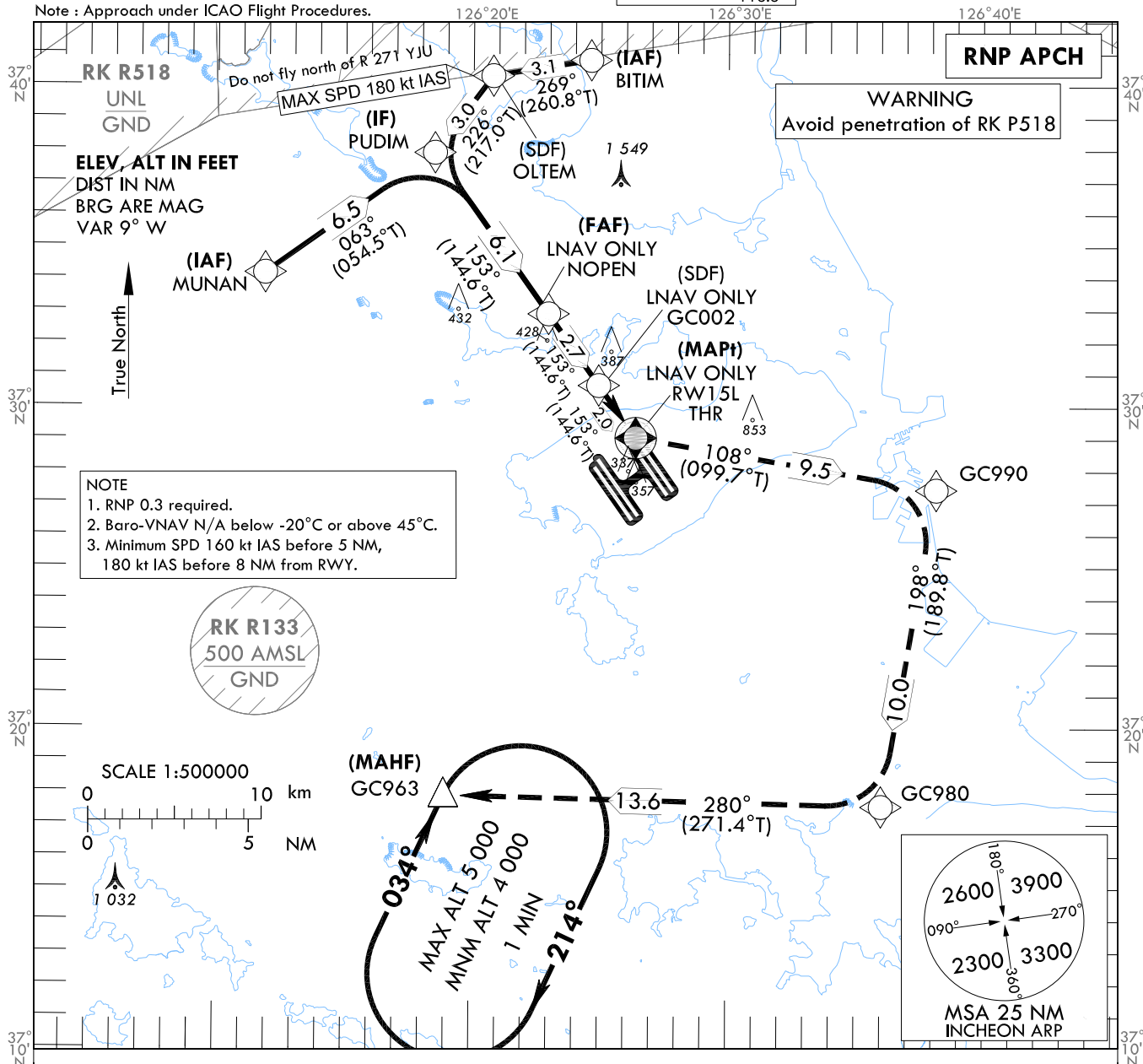
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THR RWY 15L - ELEV 23 ft

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SEOUL/Incheon Intl(RKSI)
RNP RWY 15L

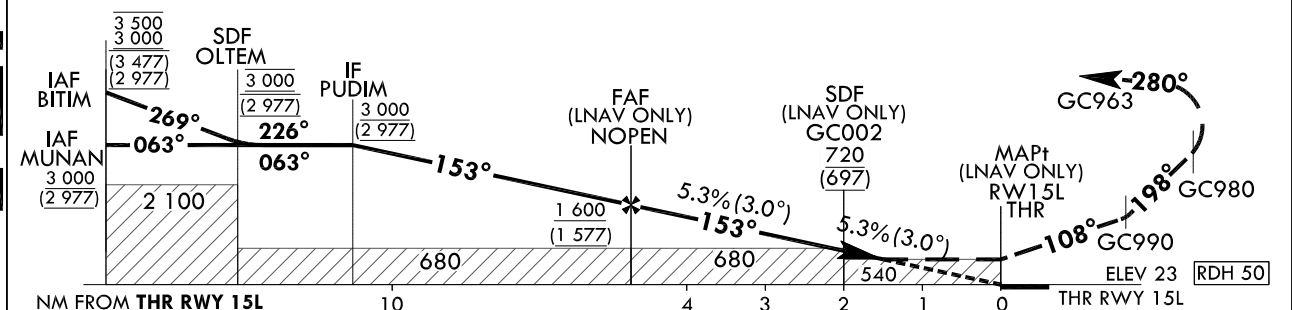
Note : Approach under ICAO Flight Procedures.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

MISSED APPROACH

Climb to 4 000 ft. Track to GC990, GC980 and GC963. Hold as published.



CATEGORY			DA(H)/ MDA(H)	A	B	C	D		Knots	60	90	120	150	180						
STA	LNNAV	FULL	540 (517)	1 600 m				Rate of descent	V/V fpm	324	485	647	809	971						
		ALS INOP	2 400 m																	
	LNNAV/VNAV	FULL	430 (407)	1 200 m				* Timing Not authorized for defining MAPt. * Circling Not authorized.												
		ALS INOP	1 900 m																	

Change : Information of ALT restriction at BITIM, MUNAN, OLTEM and PUDIM.

SEOUL/Incheon Intl(RKSI)
RNP RWY 15L

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 15L - via MUNAN(IAF) to GC963(MAHF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/RDH	Navigation specification	Remarks
001	IF	MUNAN	-	-	-	-	+3 000	-	37°34'09.3"N 126°11'53.0"E	-	RNP APCH	IAF
002	TF	PUDIM	-	063 (054.5)	6.5	-	+3 000	-	37°37'54.2"N 126°18'30.0"E	-	RNP APCH	IF
003	TF	NOPE	-	153 (144.6)	6.1	-	+1 600	-	37°32'53.5"N 126°22'58.5"E	-	RNP APCH	FAF
004	TF	GC002	-	153 (144.6)	2.7	-	+720	-	37°30'40.2"N 126°24'57.3"E	-	RNP APCH	SDF
005	TF	RW15L	Y	153 (144.6)	2.0	-	+540	-	37°29'02.20"N 126°26'24.56"E	-3.05/50	RNP APCH	MAPt
006	TF	GC990	-	108 (099.7)	9.5	-	-	-	37°27'25.8"N 126°38'10.3"E	-	RNP APCH	-
007	TF	GC980	-	198 (189.8)	10.0	-	-	-	37°17'33.8"N 126°36'02.5"E	-	RNP APCH	-
008	TF	GC963	Y	280 (271.4)	13.6	-	+4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	-
009	HM	GC963	Y	034 (025.0)	-	R	-5 000 +4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	1 min (Outbound timing)

RNP RWY 15L - via BITIM(IAF) to GC963(MAHF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/RDH	Navigation specification	Remarks
001	IF	BITIM	-	-	-	-	-3 500 +3 000	-	37°40'48.0"N 126°24'36.1"E	-	RNP APCH	IAF
002	TF	OLTEM	-	269 (260.8)	3.1	-	@3 000	-180	37°40'18.2"N 126°20'46.3"E	-	RNP APCH	SDF
003	TF	PUDIM	-	226 (217.0)	3.0	-	+3 000	-	37°37'54.2"N 126°18'30.0"E	-	RNP APCH	IF
004	TF	NOPE	-	153 (144.6)	6.1	-	+1 600	-	37°32'53.5"N 126°22'58.5"E	-	RNP APCH	FAF
005	TF	GC002	-	153 (144.6)	2.7	-	+720	-	37°30'40.2"N 126°24'57.3"E	-	RNP APCH	SDF
006	TF	RW15L	Y	153 (144.6)	2.0	-	+540	-	37°29'02.20"N 126°26'24.56"E	-3.05/50	RNP APCH	MAPt
007	TF	GC990	-	108 (099.7)	9.5	-	-	-	37°27'25.8"N 126°38'10.3"E	-	RNP APCH	-
008	TF	GC980	-	198 (189.8)	10.0	-	-	-	37°17'33.8"N 126°36'02.5"E	-	RNP APCH	-
009	TF	GC963	Y	280 (271.4)	13.6	-	+4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	-
010	HM	GC963	Y	034 (025.0)	-	R	-5 000 +4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	1 min (Outbound timing)

Change : Information of ALT restriction at BITIM, MUNAN, OLTEM and PUDIM.

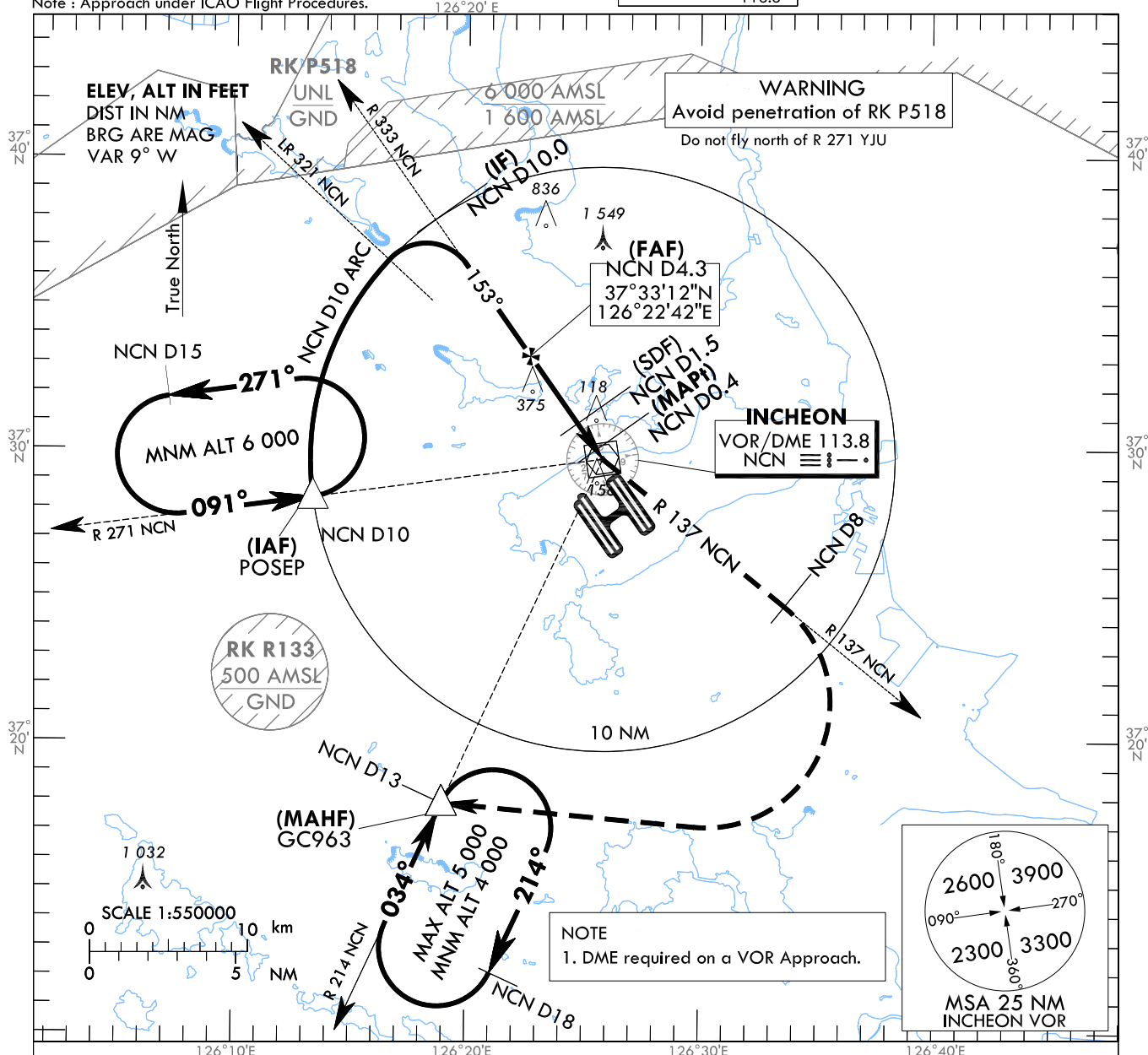
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AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 15L - ELEV 23 ft

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SEOUL/Incheon Intl(RKSI)
VOR RWY 15L

Note : Approach under ICAO Flight Procedures.

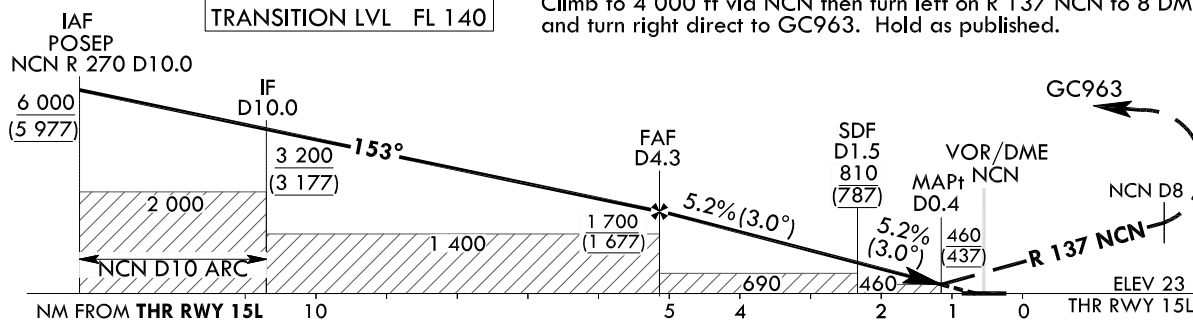


RECOMMENDED DESCENT PROFILE			
Final Approach Gradient 5.2%(317.9 ft/NM) to SDF, 5.2%(318.3 ft/NM) to THR	DME NCN	3	2
	ALT(HGT)	1 287(1 264)	969(946)

TRANSITION ALT 14 000
TRANSITION LVL FL 140

MISSED APPROACH

Climb to 4 000 ft via NCN then turn left on R 137 NCN to 8 DME and turn right direct to GC963. Hold as published.



CATEGORY		MDA(MDH)	A	B	C	D		Knots	60	90	120	150	180
Straight-in	FULL	460 (437)	1 300 m				Rate of descent	V/V fpm	318	477	636	795	954
	ALS INOP		2 000 m										

Change : Information of radial(270° → 271°).

**SEOUL/Incheon Intl(RKSI)
VOR RWY 15L**
AERONAUTICAL DATA TABULATION

VOR Approach to RWY 15L from POSEP			
Fix / Point		Coordinates	
POSEP(IAF)		37°28'21.8"N	126°13'22.0"E
D10 NCN(IF)	BRG 153.45°/10.00 NM NCN	37°37'52.4"N	126°18'33.7"E
D4.3 NCN(FAF)	BRG 153.45°/4.30 NM NCN	37°33'12.4"N	126°22'42.4"E
D1.5 NCN(SDF)	BRG 153.45°/1.50 NM NCN	37°30'55.0"N	126°24'44.2"E
D0.4 NCN(MAPt)	BRG 153.45°/0.40 NM NCN	37°30'01.0"N	126°25'32.1"E
NCN VOR/DME		37°29'41.7"N	126°25'49.2"E
THR RWY 15L	Final approach descent angle 2.99°(FAF - SDF)/3.00°(SDF - THR)	37°29'02.20"N	126°26'24.56"E
D8 NCN	R 137 NCN/8.00 NM NCN	37°24'40.1"N	126°33'39.1"E
GC963	BRG 213.53°/13.00 NM NCN	37°17'53.0"N	126°18'58.0"E

**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 15R - ELEV 23 ft

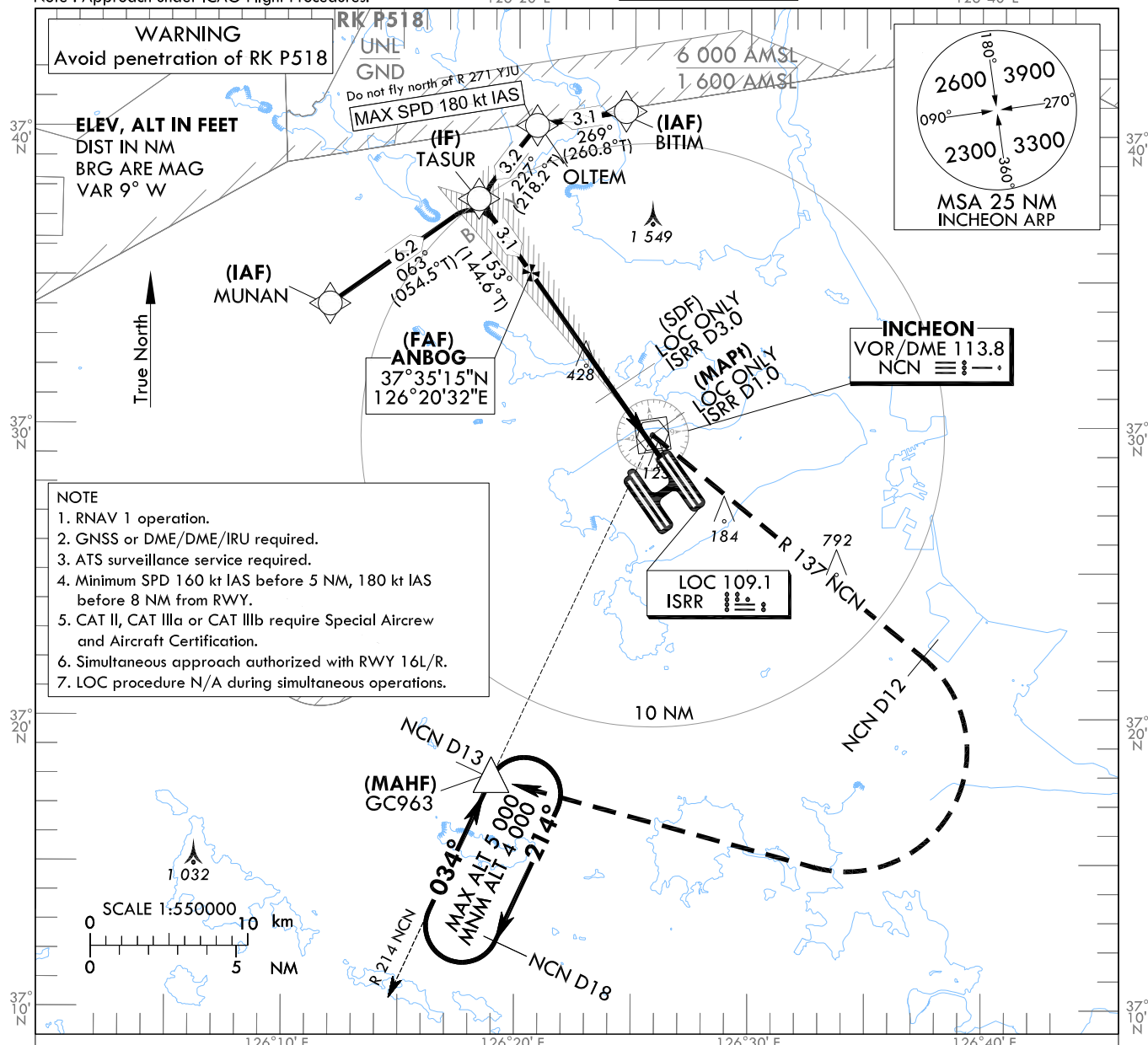
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**SEOUL/Incheon Intl(RKSI)
ILS Z or LOC Z RWY 15R
CAT II & III**

Note : Approach under ICAO Flight Procedures.

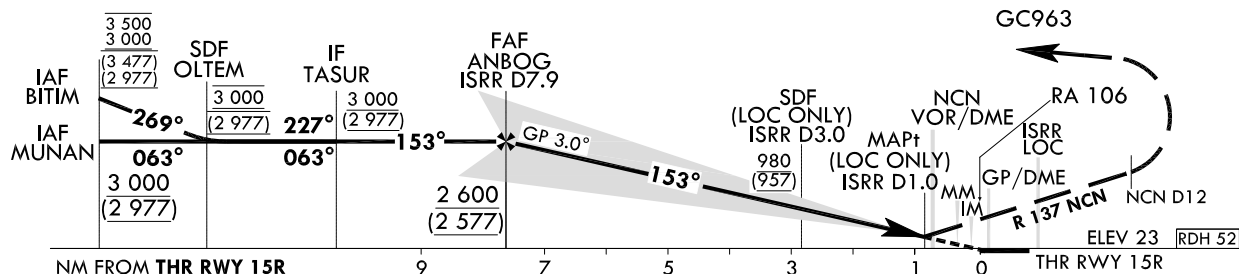
126°20' E

126°40' E



TRANSITION ALT 14 000
TRANSITION LVL FL 140

RECOMMENDED PROFILE	DME ISRR	7	6	5	4	3	2
Final Approach Gradient 5.37%, 326 ft/NM	ALT(HGT)	2 306 (2 283)	1 980 (1 957)	1 653 (1 630)	1 327 (1 304)	1 001 (978)	674 (651)



CATEGORY	DA(DH)/MDA(MDH)	A	B	C	D
Straight-in	CAT-I FULL	223 (200)	RVR 550 m, VIS 800 m		
	ALS INOP		1 200 m		
	LOC GP INOP	370 (347)	900 m		
	GP & ALS INOP		1 600 m		
	CAT II	123 (100)	300 m		300 m ¹⁾ / 350 m
CAT IIIa	-		175 m		
CAT IIIb	-		75 m ²⁾ / 125 m		

MISSED APPROACH

Climb to 520 ft on RWY HDG then turn left to intercept and follow R 137 NCN to 12 DME, continue climb to 4 000 ft turn right direct to GC963. Hold as published.
Do not turn before passing MAPt.

* Timing Not authorized for defining MAPt.
* Circling Not authorized.

1) For CAT D aeroplane conducting an autoland.
2) Aeroplane use Fail-operational system.

Change : Information of ALT restriction at BITIM, MUNAN, OLTEM and Establishment of ALT restriction at TASUR.

SEOUL/Incheon Intl(RKSI)
ILS Z or LOC Z RWY 15R
CAT II & III

AERONAUTICAL DATA TABULATION

ILS Z/LOC Z Approach to RWY 15R from MUNAN to TASUR(IF)	
Fix / Point	Coordinates
MUNAN(IAF)	37°34'09.3"N 126°11'53.0"E
TASUR(IF)	37°37'46.4"N 126°18'16.2"E

ILS Z/LOC Z Approach to RWY 15R from BITIM to TASUR(IF)	
Fix / Point	Coordinates
BITIM(IAF)	37°40'48.0"N 126°24'36.1"E
OLTEM(SDF)	37°40'18.2"N 126°20'46.3"E
TASUR(IF)	37°37'46.4"N 126°18'16.2"E

ILS Z/LOC Z Approach to RWY 15R from TASUR(IF) to MAHF		
Fix / Point		Coordinates
ANBOG(FAF)	BRG 153.15°/7.92 NM ISRR	37°35'14.6"N 126°20'31.9"E
D3.0 ISRR (SDF LOC ONLY)	BRG 153.15°/3.00 NM ISRR	37°31'13.4"N 126°24'07.1"E
D1.0 ISRR (MAPt LOC ONLY)	BRG 153.15°/1.00 NM ISRR	37°29'34.5"N 126°25'35.2"E
NCN VOR/DME		37°29'41.7"N 126°25'49.2"E
THR RWY 15R		37°28'54.44"N 126°26'10.82"E
ISRR DME		37°28'48.7"N 126°26'21.9"E
Climb to 520 ft	HDG 153	-
D12 NCN	R 137 NCN/12.00 NM NCN	37°22'06.2"N 126°37'29.9"E
GC963	BRG 213.53°/13.00 NM NCN	37°17'53.0"N 126°18'58.0"E

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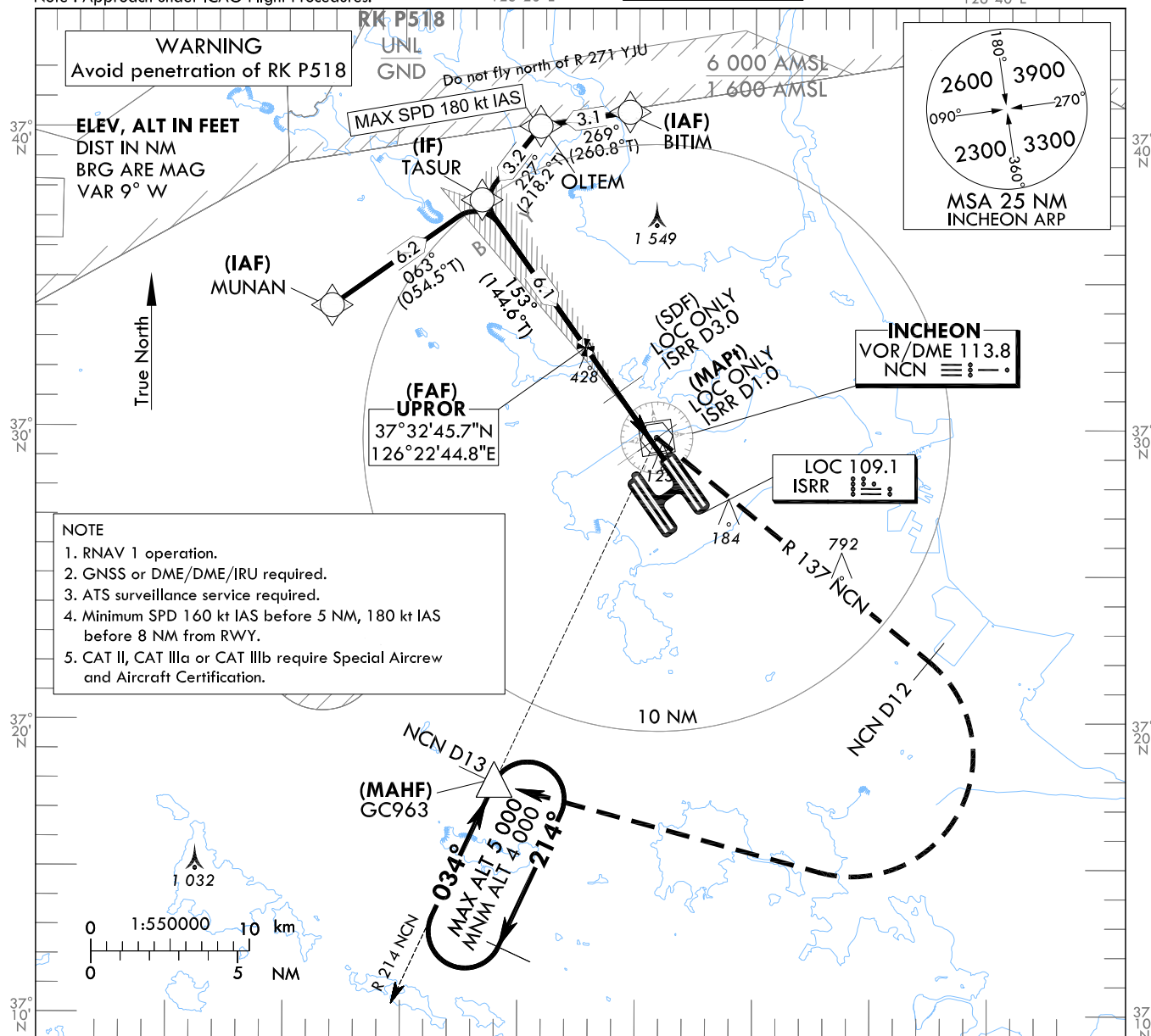
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**SEOUL/Incheon Intl(RKSI)
ILS Y or LOC Y RWY 15R
CAT II & III**

Note : Approach under ICAO Flight Procedures.

126°20' E

126°40' E



SEOUL/Incheon Intl(RKSJ)
ILS Y or LOC Y RWY 15R
CAT II & III

AERONAUTICAL DATA TABULATION

ILS Y/LOC Y Approach to RWY 15R from MUNAN to TASUR(IF)		
Fix / Point	Coordinates	
MUNAN(IAF)	37°34'09.3"N	126°11'53.0"E
TASUR(IF)	37°37'46.4"N	126°18'16.2"E

ILS Y/LOC Y Approach to RWY 15R from BITIM to TASUR(IF)		
Fix / Point	Coordinates	
BITIM(IAF)	37°40'48.0"N	126°24'36.1"E
OLTEM(SDF)	37°40'18.2"N	126°20'46.3"E
TASUR(IF)	37°37'46.4"N	126°18'16.2"E

ILS Y/LOC Y Approach to RWY 15R from TASUR(IF) to MAHF		
Fix / Point	Coordinates	
UPROR(FAF) BRG 153.15°/4.89 NM ISRR	37°32'45.7"N	126°22'44.8"E
D3.0 ISRR (SDF LOC ONLY) BRG 153.15°/3.00 NM ISRR	37°31'13.4"N	126°24'07.1"E
D1.0 ISRR (MAPt LOC ONLY) BRG 153.15°/1.00 NM ISRR	37°29'35.3"N	126°25'34.4"E
NCN VOR/DME	37°29'41.7"N	126°25'49.2"E
THR RWY 15R	37°28'54.44"N	126°26'10.82"E
ISRR DME	37°28'48.7"N	126°26'21.9"E
Climb to 520 ft HDG 153	-	
D12 NCN R 137 NCN/12.00 NM NCN	37°22'06.2"N	126°37'29.9"E
GC963 BRG 213.53°/13.00 NM NCN	37°17'53.0"N	126°18'58.0"E

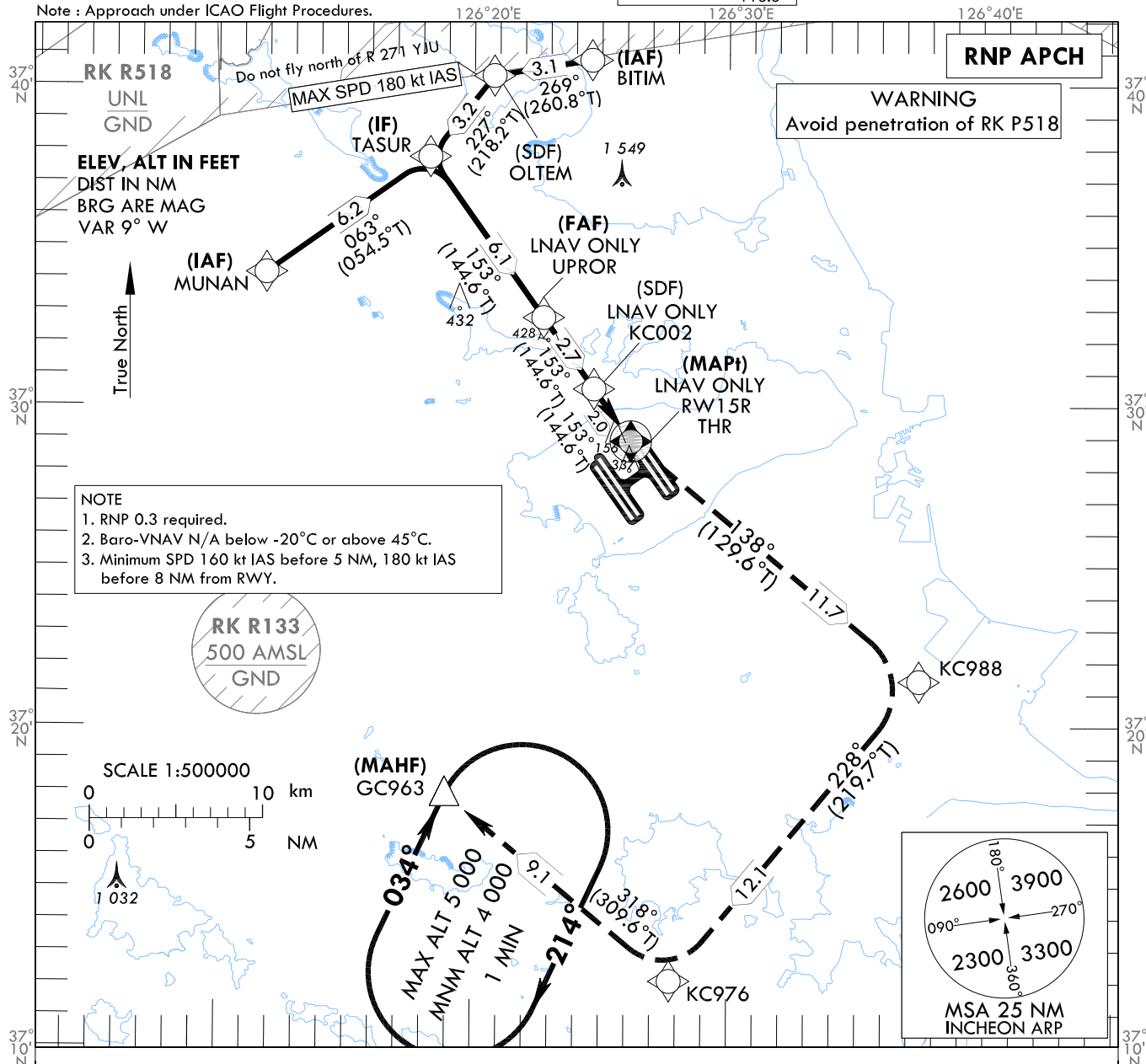
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SEOUL/Incheon Intl(RKSI)
RNP RWY 15R

Note : Approach under ICAO Flight Procedures.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

MISSED APPROACH

Climb to 4 000 ft. Track to KC988, KC976 and GC963. Hold as published.

3 500
3 000
(3 477)
(2 977)

SDF OLTEM

IF TASUR

3 000
(2 977)

3 000
(2 977)

269°

063°

227°

063°

153°

5.3%(3.0°)

153°

5.3%(3.0°)

5.3%(3.0°)

318°

GC963

228°

KC976

138°

KC988

ELEV 23

RDH 50

THR RWY 15R

2 100

700

1 600
(1 577)

690

540
(517)

540
(517)

4 000

3 000

2 000

1 000

0

NM FROM THR RWY 15R

10

4

3

2

1

0

CATEGORY		DA(H)/MDA(H)	A	B	C	D	Knots												
STA	LNAV	FULL	540 (517)	1 600 m			Rate of descent	V/V fpm	60	90	120	150	180						
		ALS INOP		2 400 m															
	LNAV/VNAV	FULL	430 (407)	1 200 m			* Timing Not authorized for defining MAPt. * Circling Not authorized.												
		ALS INOP		1 900 m															

Change : Information of ALT restriction at BITIM, MUNAN, OLTEM and TASUR.

SEOUL/Incheon Intl(RKSI)
RNP RWY 15R

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 15R - via MUNAN(IAF) to GC963(MAHF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
001	IF	MUNAN	-	-	-	-	+3 000	-	37°34'09.3"N 126°11'53.0"E	-	RNP APCH	IAF
002	TF	TASUR	-	063 (054.5)	6.2	-	+3 000	-	37°37'46.4"N 126°18'16.2"E	-	RNP APCH	IF
003	TF	UPROR	-	153 (144.6)	6.1	-	+1 600	-	37°32'45.7"N 126°22'44.8"E	-	RNP APCH	FAF
004	TF	KC002	-	153 (144.6)	2.7	-	+720	-	37°30'32.4"N 126°24'43.6"E	-	RNP APCH	SDF
005	TF	RW15R	Y	153 (144.6)	2.0	-	+540	-	37°28'54.44"N 126°26'10.82"E	-3.05/50	RNP APCH	MAPt
006	TF	KC988	-	138 (129.6)	11.7	-	-	-	37°21'25.5"N 126°37'29.3"E	-	RNP APCH	-
007	TF	KC976	-	228 (219.7)	12.1	-	-	-	37°12'03.9"N 126°27'45.9"E	-	RNP APCH	-
008	TF	GC963	Y	318 (309.6)	9.1	-	+4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	-
009	HM	GC963	Y	034 (025.0)	-	R	-5 000 +4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	1 min (Outbound timing)

RNP RWY 15R - via BITIM(IAF) to GC963(MAHF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
001	IF	BITIM	-	-	-	-	-3 500 +3 000	-	37°40'48.0"N 126°24'36.1"E	-	RNP APCH	IAF
002	TF	OLTEM	-	269 (260.8)	3.1	-	@3 000	-180	37°40'18.2"N 126°20'46.3"E	-	RNP APCH	SDF
003	TF	TASUR	-	227 (218.2)	3.2	-	+3 000	-	37°37'46.4"N 126°18'16.2"E	-	RNP APCH	IF
004	TF	UPROR	-	153 (144.6)	6.1	-	+1 600	-	37°32'45.7"N 126°22'44.8"E	-	RNP APCH	FAF
005	TF	KC002	-	153 (144.6)	2.7	-	+720	-	37°30'32.4"N 126°24'43.6"E	-	RNP APCH	SDF
006	TF	RW15R	Y	153 (144.6)	2.0	-	+540	-	37°28'54.44"N 126°26'10.82"E	-3.05/50	RNP APCH	MAPt
007	TF	KC988	-	138 (129.6)	11.7	-	-	-	37°21'25.5"N 126°37'29.3"E	-	RNP APCH	-
008	TF	KC976	-	228 (219.7)	12.1	-	-	-	37°12'03.9"N 126°27'45.9"E	-	RNP APCH	-
009	TF	GC963	Y	318 (309.6)	9.1	-	+4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	-
010	HM	GC963	Y	034 (025.0)	-	R	-5 000 +4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	1 min (Outbound timing)

Change : Information of ALT restriction at BITIM, MUNAN, OLTEM and TASUR.

**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 16L - ELEV 23 ft

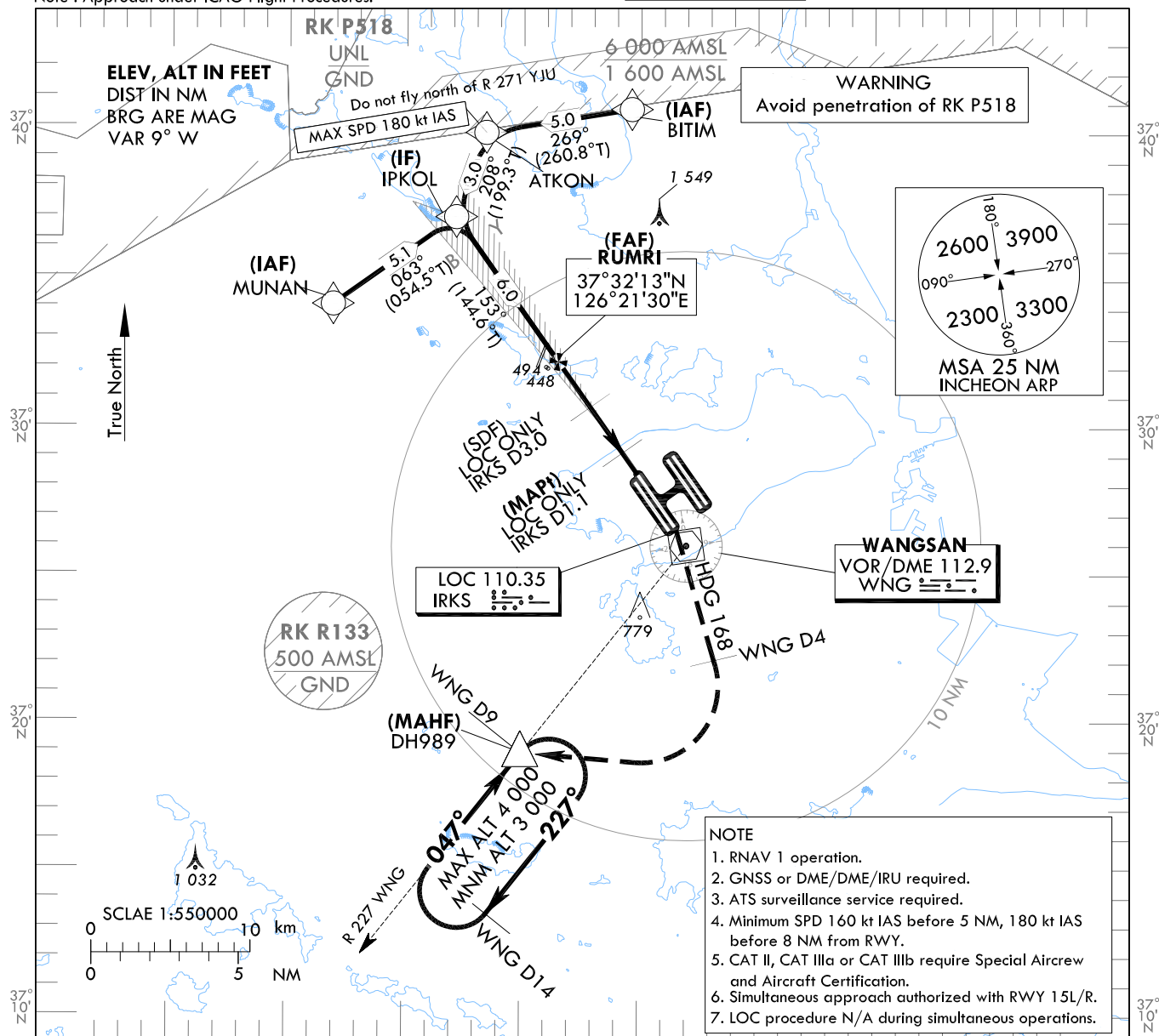
SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 16L
CAT II & III

Note : Approach under ICAO Flight Procedures.

126°20' E

126°40' E



TRANSITION ALT 14 000 TRANSITION LVL FL 140		RECOMMENDED PROFILE				DME IRKS	4	3	2
Final Approach Gradient 5.30%, 322 ft/NM						ALT(HGT)	1 310 (1 287)	988 (965)	666 (643)

CATEGORY	DA(DH)/MDA(MDH)	A	B	C	D
CAT-I (CG 2.5%)	FULL 460 ALS INOP (437)		1 300 m		
CAT-I (CG 4.0%)	FULL 223 ALS INOP (200)		2 000 m		
LOC	GP INOP 380 GP & ALS INOP (357)		1 200 m		
CAT II	123(100)		900 m		
CAT IIIa	-		1 600 m		
CAT IIIb	-		300 m	300 m ¹⁾	350 m

1) For CAT D aeroplane conducting an autoland.	2) Aeroplane use Fail-operational system.
--	---

MISSED APPROACH
Climb to 500 ft on RWY HDG then turn right on HDG 168° to WNG 4 DME, continue climb to 3 000 ft turn right direct to DH989. Hold as published. Do not turn before passing MAPt.

NOTE
1. Missed approach turn limited to 210 kt IAS maximum.
2. Missed approach minimum climb gradient of 2.5% to 3 000 ft (DH 437 or 357), 4% to 3 000 ft (DH 200 or 100).

* Timing Not authorized for defining MAPt.
* Circling Not authorized.

Change : Information of ALT restriction at BITIM, ATKON and IPKOL.

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 16L
CAT II & III

AERONAUTICAL DATA TABULATION

ILS/LOC Approach to RWY 16L from MUNAN to IPKOL(IF)		
Fix / Point	Coordinates	
MUNAN(IAF)	37°34'09.3"N	126°11'53.0"E
IPKOL(IF)	37°37'07.4"N	126°17'07.3"E

ILS/LOC Approach to RWY 16L from BITIM to IPKOL(IF)		
Fix / Point	Coordinates	
BITIM(IAF)	37°40'48.0"N	126°24'36.1"E
ATKON(SDF)	37°39'59.6"N	126°18'23.2"E
IPKOL(IF)	37°37'07.4"N	126°17'07.3"E

ILS/LOC Approach to RWY 16L from IPKOL(IF) to MAHF		
Fix / Point	Coordinates	
RUMRI(FAF)	BRG 153.16°/4.89 NM IRKS	37°32'12.9"N 126°21'30.4"E
D3.0 IRKS(SDF) (LOC ONLY)	BRG 153.16°/3.00 NM IRKS	37°30'40.6"N 126°22'52.7"E
D1.1 IRKS(MAPt) (LOC ONLY)	BRG 153.16°/1.10 NM IRKS	37°29'07.6"N 126°24'15.6"E
THR RWY 16L		37°28'22.11"N 126°24'56.05"E
IRKS DME		37°28'11.4"N 126°24'59.7"E
WNG VOR/DME		37°25'58.6"N 126°27'00.0"E
Climb to 500 ft	HDG 153	-
D4 WNG	HDG 168	-
DH989	BRG 227.09°/9.00 NM WNG	37°18'55.0"N 126°19'59.0"E

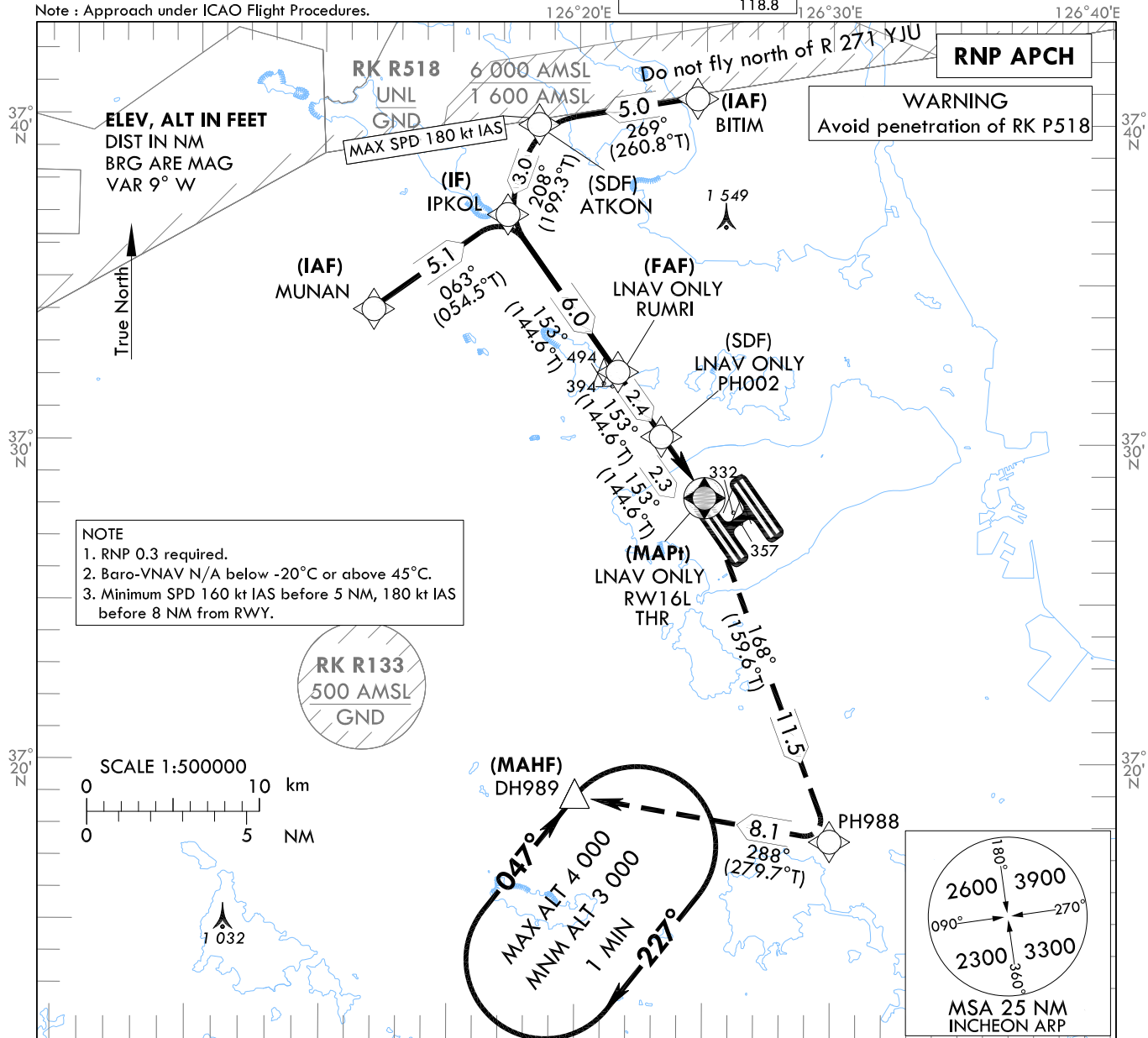
**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 16L - ELEV 23 ft

SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

**SEOUL/Incheon Intl(RKSI)
RNP RWY 16L**

Note : Approach under ICAO Flight Procedures.



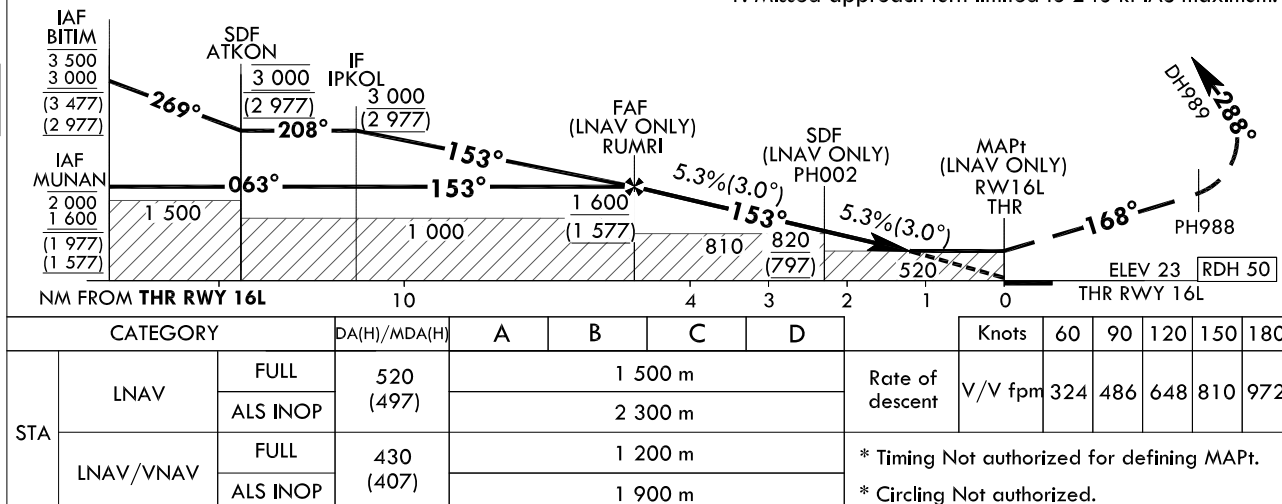
TRANSITION ALT 14 000
TRANSITION LVL FL 140

MISSED APPROACH

Climb to 3 000 ft. Track to PH988 and DH989.
Hold as published.

NOTE

1. Missed approach turn limited to 240 kt IAS maximum.



Change : Information of ALT restriction at BITIM, ATKON and IPKOL.

SEOUL/Incheon Intl(RKSI)
RNP RWY 16L

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 16L - via MUNAN(IAF) to DH989(MAHF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly- over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
001	IF	MUNAN	-	-	-	-	-2 000 +1 600	-	37°34'09.3"N 126°11'53.0"E	-	RNP APCH	IAF
002	TF	IPKOL	-	063 (054.5)	5.1	-	+1 600	-	37°37'07.4"N 126°17'07.3"E	-	RNP APCH	IF
003	TF	RUMRI	-	153 (144.6)	6.0	-	+1 600	-	37°32'12.9"N 126°21'30.4"E	-	RNP APCH	FAF
004	TF	PH002	-	153 (144.6)	2.4	-	+820	-	37°30'14.8"N 126°23'15.7"E	-	RNP APCH	SDF
005	TF	RW16L	Y	153 (144.6)	2.3	-	+520	-	37°28'22.1"N 126°24'56.06"E	-3.05/50	RNP APCH	MAPt
006	TF	PH988	-	168 (159.6)	11.5	-	-	-240	37°17'34.0"N 126°29'57.5"E	-	RNP APCH	-
007	TF	DH989	Y	288 (279.7)	8.1	-	+3 000	-240	37°18'55.0"N 126°19'59.0"E	-	RNP APCH	-
008	HM	DH989	Y	047 (038.4)	-	R	-4 000 +3 000	-	37°18'55.0"N 126°19'59.0"E	-	RNP APCH	1 min (Outbound timing)

RNP RWY 16L - via BITIM(IAF) to DH989(MAHF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly- over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
001	IF	BITIM	-	-	-	-	-3 500 +3 000	-	37°40'48.0"N 126°24'36.1"E	-	RNP APCH	IAF
002	TF	ATKON	-	269 (260.8)	5.0	-	@3 000	-180	37°39'59.6"N 126°18'23.2"E	-	RNP APCH	SDF
003	TF	IPKOL	-	208 (199.3)	3.0	-	+3 000	-	37°37'07.4"N 126°17'07.3"E	-	RNP APCH	IF
004	TF	RUMRI	-	153 (144.6)	6.0	-	+1 600	-	37°32'12.9"N 126°21'30.4"E	-	RNP APCH	FAF
005	TF	PH002	-	153 (144.6)	2.4	-	+820	-	37°30'14.8"N 126°23'15.7"E	-	RNP APCH	SDF
006	TF	RW16L	Y	153 (144.6)	2.3	-	+520	-	37°28'22.1"N 126°24'56.06"E	-3.05/50	RNP APCH	MAPt
007	TF	PH988	-	168 (159.6)	11.5	-	-	-240	37°17'34.0"N 126°29'57.5"E	-	RNP APCH	-
008	TF	DH989	Y	288 (279.7)	8.1	-	+3 000	-240	37°18'55.0"N 126°19'59.0"E	-	RNP APCH	-
009	HM	DH989	Y	047 (038.4)	-	R	-4 000 +3 000	-	37°18'55.0"N 126°19'59.0"E	-	RNP APCH	1 min (Outbound timing)

Change : Information of ALT restriction at BITIM, ATKON and IPKOL.

**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 16R - ELEV 23 ft

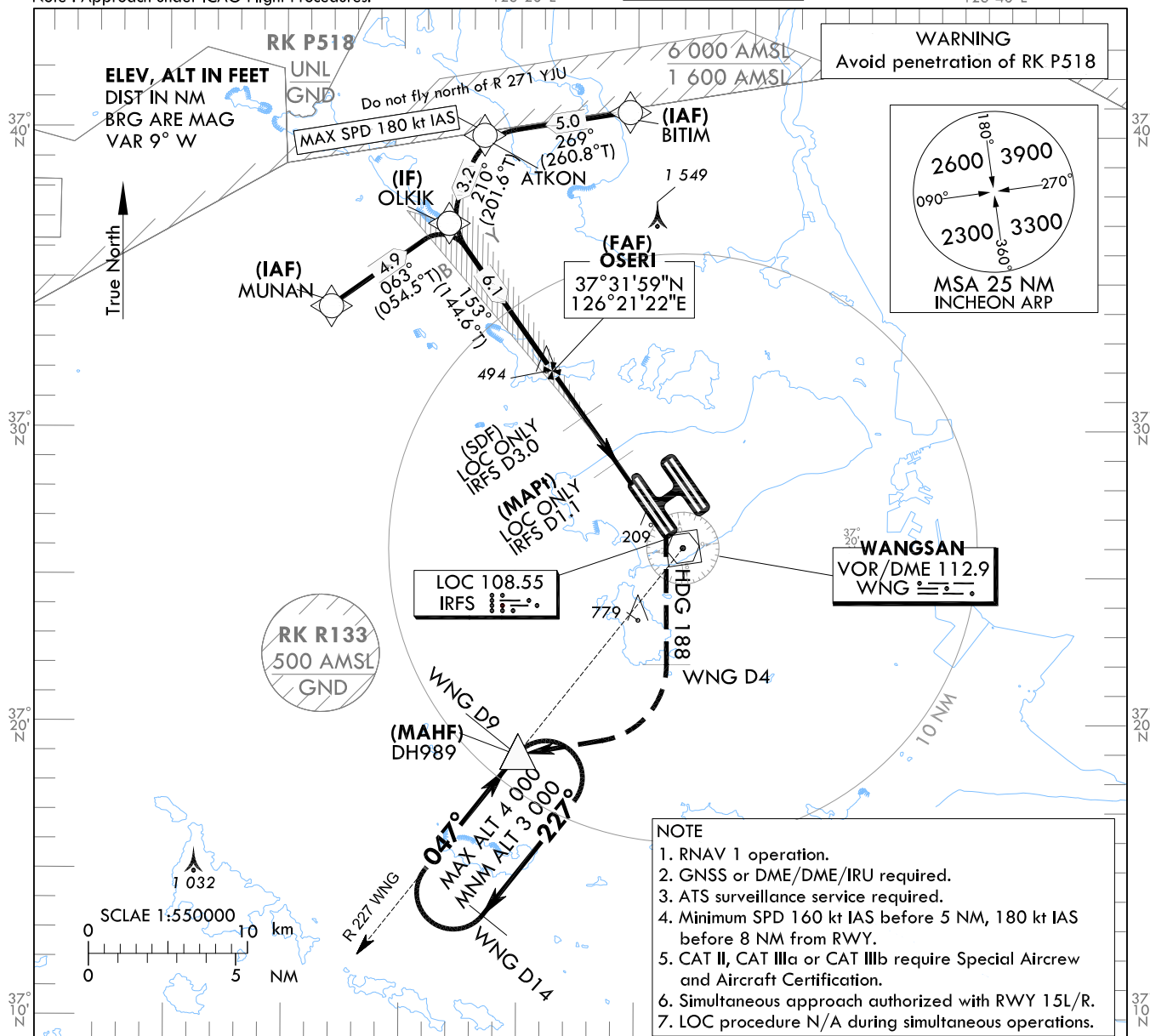
SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 16R
CAT II & III

Note : Approach under ICAO Flight Procedures.

126°20' E

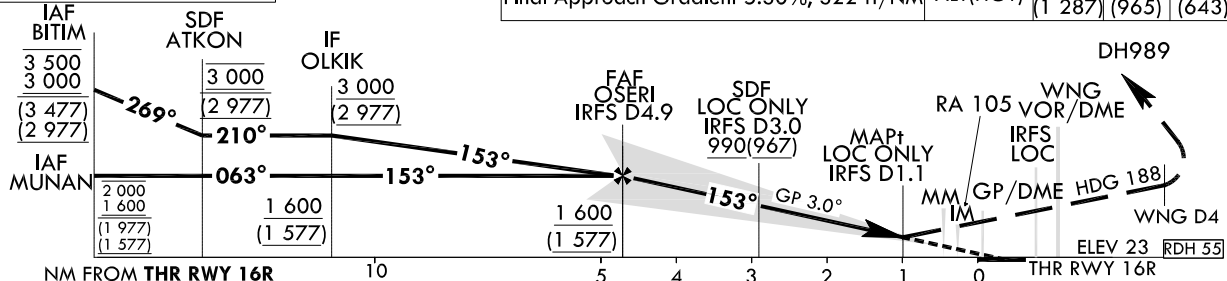
126°40' E



TRANSITION ALT 14 000
TRANSITION LVL FL 140

RECOMMENDED PROFILE

DME IRFS	4	3	2
Final Approach Gradient 5.30%, 322 ft/NM	1 310 (1 287)	988 (965)	666 (643)



MISSED APPROACH

Climb to 500 ft on RWY HDG then turn right on HDG 188° to WNG 4 DME, continue climb to 3 000 ft turn right direct to DH989. Hold as published. Do not turn before passing MAPt.

NOTE

1. Missed approach turn limited to 210 kt IAS maximum.
2. Missed approach minimum climb gradient of 2.5% to 3 000 ft (DH 437 or 357), 4% to 3 000 ft (DH 200 or 100).

* Timing Not authorized for defining MAPt.
* Circling Not authorized.

- 1) For CAT D aeroplane conducting an autoland.
- 2) Aeroplane use Fail-operational system.

Change : Information of ALT restriction at BITIM, ATKON and OLKIK.

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 16R
CAT II & III

AERONAUTICAL DATA TABULATION

ILS/LOC Approach to RWY 16R from MUNAN to OLKIK(IF)		
Fix / Point	Coordinates	
MUNAN(IAF)	37°34'09.3"N	126°11'53.0"E
OLKIK(IF)	37°36'59.6"N	126°16'53.5"E

ILS/LOC Approach to RWY 16R from BITIM to OLKIK(IF)		
Fix / Point	Coordinates	
BITIM(IAF)	37°40'48.0"N	126°24'36.1"E
ATKON(SDF)	37°39'59.6"N	126°18'23.2"E
OLKIK(IF)	37°36'59.6"N	126°16'53.5"E

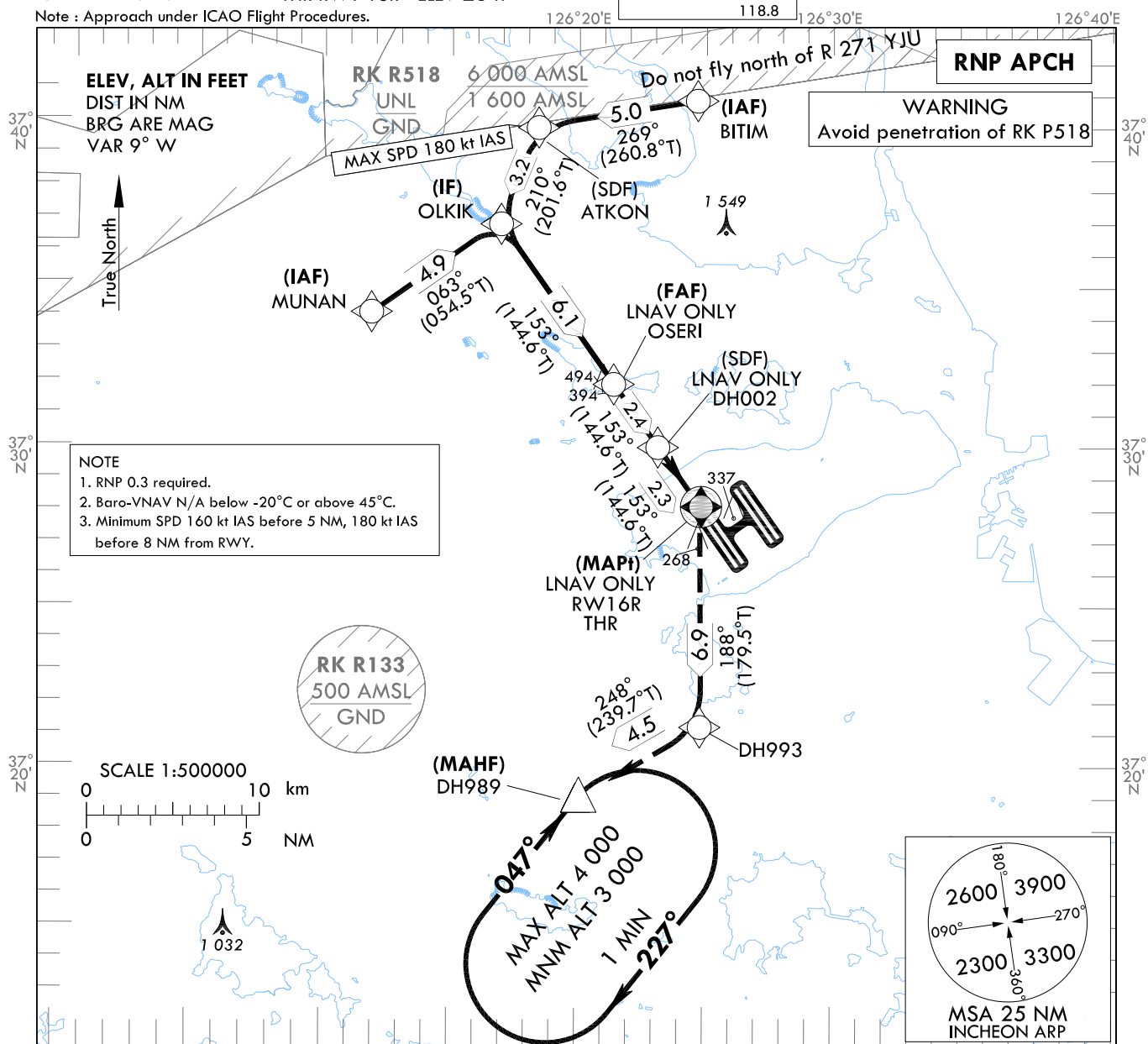
ILS/LOC Approach to RWY 16R from OLKIK(IF) to MAHF		
Fix / Point	Coordinates	
OSERI(FAF)	BRG 153.16°/4.89 NM IRFS	37°31'59.0"N 126°21'22.1"E
D3.0 IRFS(SDF) (LOC ONLY)	BRG 153.16°/3.00 NM IRFS	37°30'26.2"N 126°22'44.8"E
D1.1 IRFS(MAPt) (LOC ONLY)	BRG 153.16°/1.10 NM IRFS	37°28'53.2"N 126°24'07.7"E
THR RWY 16R		37°28'07.71"N 126°24'48.18"E
IRFS DME		37°27'56.9"N 126°24'51.6"E
WNG VOR/DME		37°25'58.6"N 126°27'00.0"E
Climb to 500 ft	HDG 153	-
D4 WNG	HDG 188	-
DH989	BRG 227.09°/9.00 NM WNG	37°18'55.0"N 126°19'59.0"E

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 16R - ELEV 23 ft

SEOUL	APP	119.75
		121.35
INCHEON	TWR	118.2
		118.8

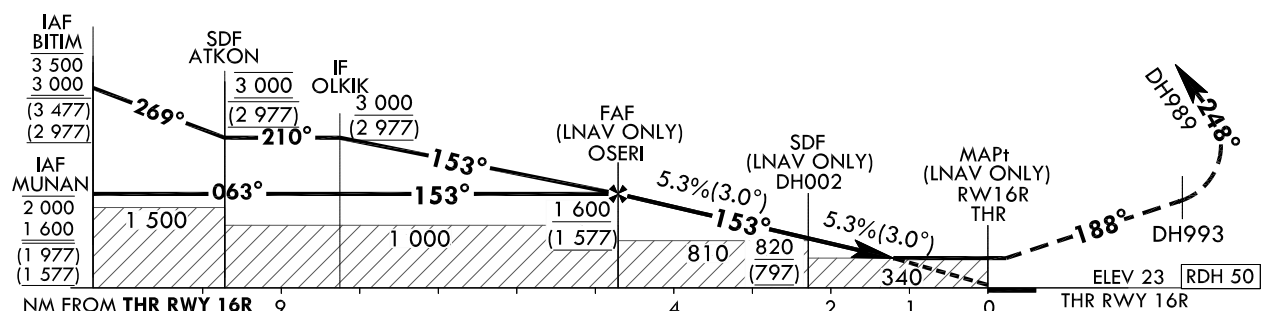
**SEOUL/Incheon Intl(RKSI)
RNP RWY 16R**

Note : Approach under ICAO Flight Procedures.



Climb to 3 000 ft. Track to DH993 and DH989.
Hold as published.

TRANSITION ALT	14 000
TRANSITION LVL	FL 140



CATEGORY			DA(H)/MDA(H)	A	B	C	D		Knots	60	90	120	150	180
STA	LNAV	FULL	520 (497)	1 500 m				Rate of descent	V/V fpm	323	485	647	809	970
		ALS INOP		2 300 m										
	LNAV/VNAV	FULL	430 (407)	1 200 m				* Timing Not authorized for defining MAPt. * Circling Not authorized.						
		ALS INOP		1 900 m										

Change : Information of ALT restriction at BITIM, ATKON and OLKIK.

SEOUL/Incheon Intl(RKSI)
RNP RWY 16R

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 16R - via MUNAN(IAF) to OLKIK(IF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
001	IF	MUNAN	-	-	-	-	-2 000 +1 600	-	37°34'09.3"N 126°11'53.0"E	-	RNP APCH	IAF
002	TF	OLKIK	-	063 (054.5)	4.9	-	+1 600	-	37°36'59.6"N 126°16'53.5"E	-	RNP APCH	IF
003	TF	OSERI	-	153 (144.6)	6.1	-	+1 600	-	37°31'59.0"N 126°21'22.1"E	-	RNP APCH	FAF
004	TF	DH002	-	153 (144.6)	2.4	-	+820	-	37°30'00.4"N 126°23'07.8"E	-	RNP APCH	SDF
005	TF	RW16R	Y	153 (144.6)	2.3	-	+520	-	37°28'07.7"N 126°24'48.1"E	-3.05/50	RNP APCH	MAPt
006	TF	DH993	-	188 (179.5)	6.9	-	-	-	37°21'12.6"N 126°24'53.1"E	-	RNP APCH	-
007	TF	DH989	Y	248 (239.7)	4.5	-	+3 000	-	37°18'55.0"N 126°19'59.0"E	-	RNP APCH	-
008	HM	DH989	Y	047 (038.4)	-	R	-4 000 +3 000	-	37°18'55.0"N 126°19'59.0"E	-	RNP APCH	1 min (Outbound timing)

RNP RWY 16R - via BITIM(IAF) to OLKIK(IF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
001	IF	BITIM	-	-	-	-	-3 500 +3 000	-	37°40'48.0"N 126°24'36.1"E	-	RNP APCH	IAF
002	TF	ATKON	-	269 (260.8)	5.0	-	@3 000	-180	37°39'59.6"N 126°18'23.2"E	-	RNP APCH	SDF
003	TF	OLKIK	-	210 (201.6)	3.2	-	+3 000	-	37°36'59.6"N 126°16'53.5"E	-	RNP APCH	IF
004	TF	OSERI	-	153 (144.6)	6.1	-	+1 600	-	37°31'59.0"N 126°21'22.1"E	-	RNP APCH	FAF
005	TF	DH002	-	153 (144.6)	2.4	-	+820	-	37°30'00.4"N 126°23'07.8"E	-	RNP APCH	SDF
006	TF	RW16R	Y	153 (144.6)	2.3	-	+520	-	37°28'07.7"N 126°24'48.1"E	-3.05/50	RNP APCH	MAPt
007	TF	DH993	-	188 (179.5)	6.9	-	-	-	37°21'12.6"N 126°24'53.1"E	-	RNP APCH	-
008	TF	DH989	Y	248 (239.7)	4.5	-	+3 000	-	37°18'55.0"N 126°19'59.0"E	-	RNP APCH	-
009	HM	DH989	Y	047 (038.4)	-	R	-4 000 +3 000	-	37°18'55.0"N 126°19'59.0"E	-	RNP APCH	1 min (Outbound timing)

Change : Information of ALT restriction at BITIM, ATKON and OLKIK.

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 33L - ELEV **23 ft**

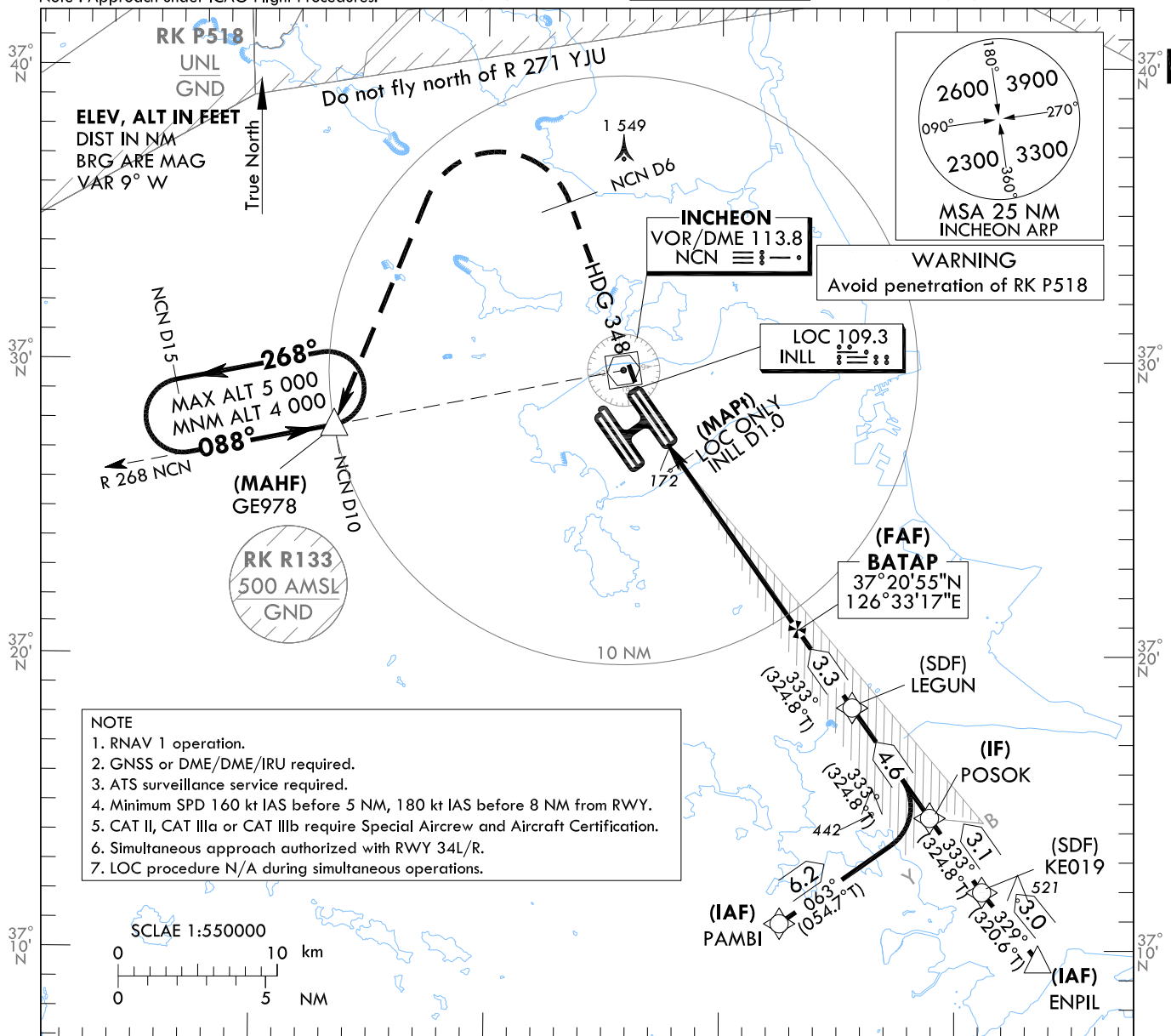
SEOUL	APP	119.75
		121.35
INCHEON	TWR	118.2
		118.8

**SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 33L
CAT II & III**

Note : Approach under ICAO Flight Procedures.

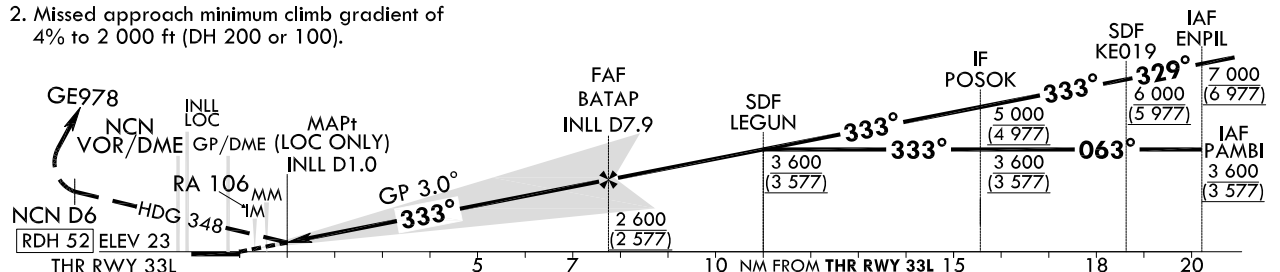
126°20'E

126°40'E



RECOMMENDED PROFILE(LOC ONLY)	DME INLL	7	6	5	4	3	2	TRANSITION ALT 14 000 TRANSITION LVL FL 140
Final Approach Gradient 5.37%, 326 ft/NM	ALT(HGT)	2 306 (2 283)	1 980 (1 957)	1 653 (1 630)	1 327 (1 304)	1 001 (978)	674 (651)	

1. Missed approach turn limited to 210 kt IAS maximum.
2. Missed approach minimum climb gradient of 4% to 2 000 ft (DH 200 or 100).



CATEGORY			DA(DH)/ MDA(MDH)	A	B	C	D
Straight -in	CAT-I (CG 2.5%)	FULL ALS INOP	461 (438)	1 300 m			
				2 000 m			
	CAT-I (CG 4.0%)	FULL ALS INOP	223 (200)	RVR 550 m, VIS 800 m			
				1 200 m			
	LOC	FULL ALS INOP	440 (417)	1 200 m			
				1 900 m			
	CAT II		123(100)	300 m		300 m ¹⁾ / 350 m	
	CAT IIIa		-	175 m			
CAT IIIb -			75 m ²⁾ / 125 m				

MISSED APPROACH
Climb to 500 ft on RWY HDG then turn right on HDG 348° to NCN 6 DME, continue climb to 4 000 ft turn left direct to GE978.
Hold as published.
Do not turn before passing MAPt.
1) For CAT D aeroplane conducting an autoland.
2) Aeroplane use Fail-operational system.
* Timing Not authorized for defining MAPt.
* Circling Not authorized.

Change : Information of radial($270^{\circ} \rightarrow 271^{\circ}$) and missed approach.

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 33L
CAT II & III

AERONAUTICAL DATA TABULATION

ILS/LOC Approach to RWY 33L from PAMBI to POSOK(IF)	
Fix / Point	Coordinates
PAMBI(IAF)	37°10'54.3"N 126°32'34.4"E
POSOK(IF)	37°14'30.3"N 126°38'56.6"E

ILS/LOC Approach to RWY 33L from ENPIL to POSOK(IF)	
Fix / Point	Coordinates
ENPIL(IAF)	37°09'39.0" N 126°43'34.0" E
KE019(SDF)	37°11'58.6"N 126°41'10.5"E
POSOK(IF)	37°14'30.3"N 126°38'56.6"E

ILS/LOC Approach to RWY 33L from POSOK(IF) to MAHF	
Fix / Point	Coordinates
LEGUN(SDF)	37°18'14.5"N 126°35'38.6"E
BATAP(FAF) BRG 333.37°/7.92 NM INLL	37°20'54.7"N 126°33'16.8"E
D1.0 INLL (MAPt LOC ONLY) BRG 333.37°/1.00 NM INLL	37°26'34.2"N 126°28'15.6"E
THR RWY 33L	37°27'15.21"N 126°27'39.08"E
INLL DME	37°27'25.4"N 126°27'35.9"E
NCN VOR/DME	37°29'41.7"N 126°25'49.2"E
Climb to 500 ft HDG 333	-
D6 NCN HDG 348	-
GE978 BRG 267.72°/10 NM NCN	37°27'47.0"N 126°13'29.0"E

**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 33L - ELEV 23 ft

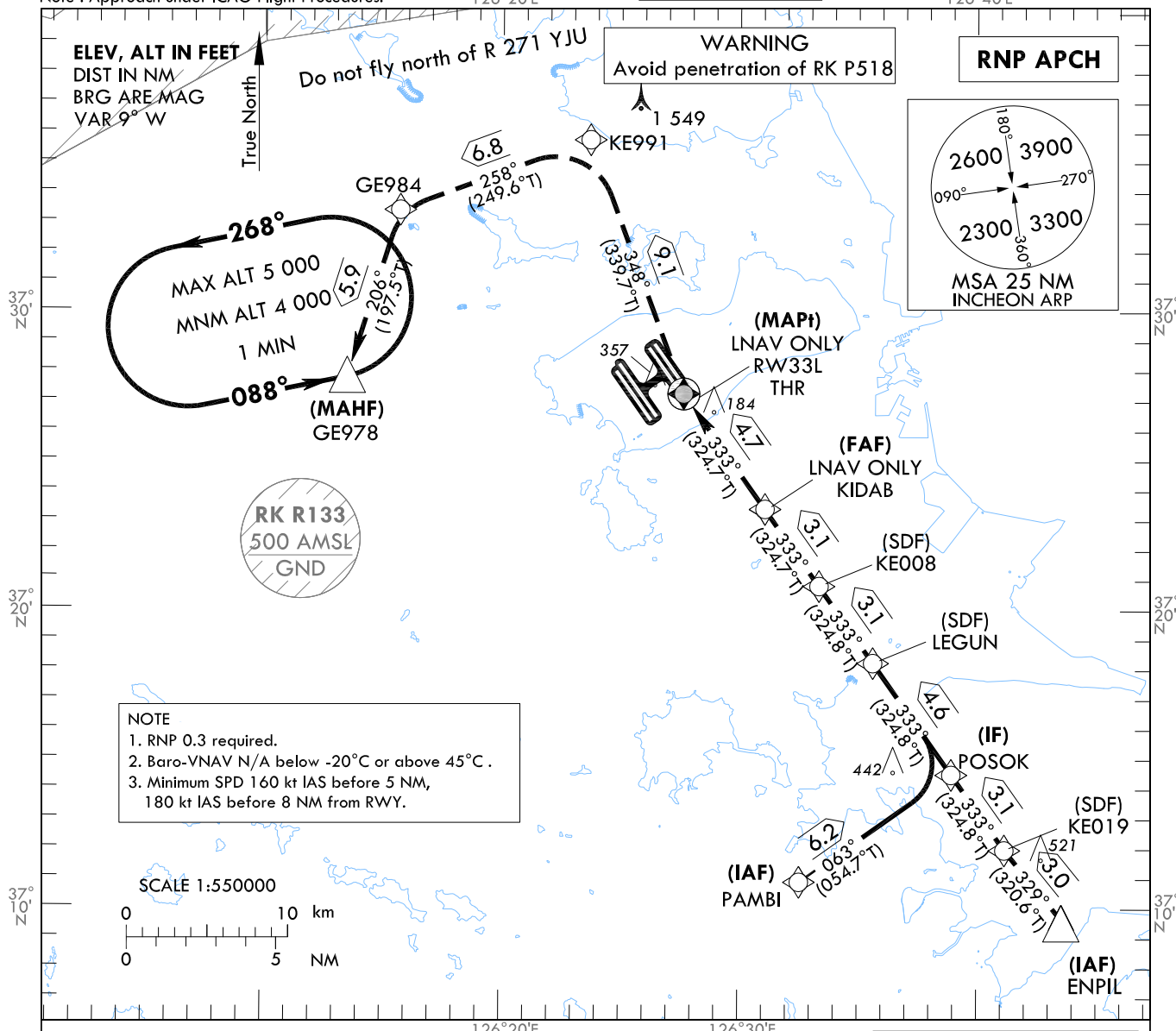
SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

SEOUL/Incheon Intl(RKSI)
RNP RWY 33L

Note : Approach under ICAO Flight Procedures.

126°20'E

126°40'E



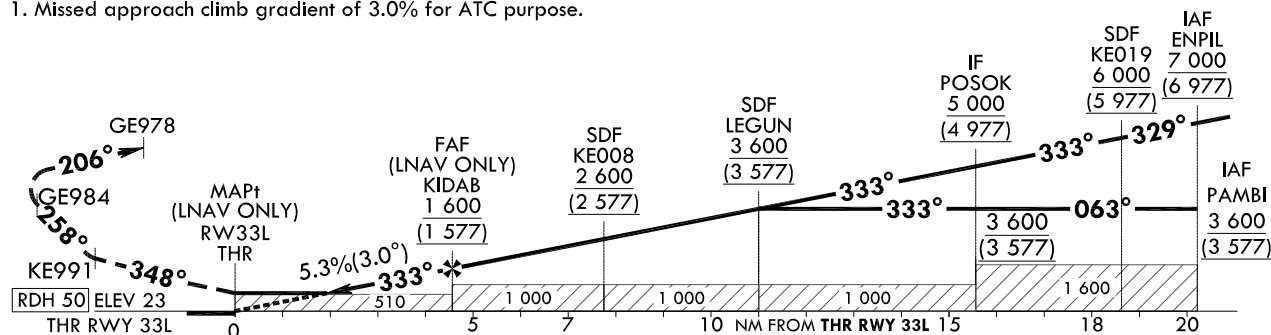
MISSED APPROACH

Climb to 4 000 ft. Track to KE991, GE984 and GE978.
Hold as published.

NOTE

1. Missed approach climb gradient of 3.0% for ATC purpose.

TRANSITION ALT 14 000
TRANSITION LVL FL 140



CATEGORY			MDA(H)/DA(H)	A	B	C	D		Knots	60	90	120	150	180
STA	LNAV	FULL	510	1 500 m				Rate of descent	V/V fpm	323	484	645	807	968
		ALS INOP	(487)	2 300 m										
	LNAV/VNAV	FULL	430	1 200 m				* Timing Not authorized for defining MAPt. * Circling Not authorized.						
		ALS INOP	(407)	1 900 m										

Change : Information of radial(270° → 271°).

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 33L - via PAMBI(IAF) to GE978(MAHF)

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	PAMBI	-	-	-	-	+3 600	-	37°10'54.3"N 126°32'34.4"E	-	RNP APCH	IAF
002	TF	POSOK	-	063 (054.7)	6.2	-	+3 600	-	37°14'30.3"N 126°38'56.6"E	-	RNP APCH	IF
003	TF	LEGUN	-	333 (324.8)	4.6	-	+3 600	-	37°18'14.5"N 126°35'38.6"E	-	RNP APCH	SDF
004	TF	KE008	-	333 (324.8)	3.1	-	+2 600	-	37°20'48.9"N 126°33'21.9"E	-	RNP APCH	SDF
005	TF	KIDAB	-	333 (324.7)	3.1	-	+1 600	-	37°23'23.2"N 126°31'05.1"E	-	RNP APCH	FAF
006	TF	RW33L	Y	333(324.7)	4.7	-	+510	-	37°27'15.2"N 126°27'39.08"E	-3.04/50	RNP APCH	MAPt
007	TF	KE991	-	348 (339.7)	9.1	-	-	-	37°35'45.4"N 126°23'41.5"E	-	RNP APCH	-
008	TF	GE984	-	258 (249.6)	6.8	-	-	-	37°33'23.2"N 126°15'41.7"E	-	RNP APCH	-
009	TF	GE978	Y	206 (197.5)	5.9	-	+4 000	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	-
010	HM	GE978	Y	088 (078.9)	-	L	-5 000 +4 000	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	1 min (Outbound timing)

RNP RWY 33L - via ENPIL(IAF) to GE978(MAHF)

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	ENPIL	-	-	-	-	+7 000	-	37°09'39.0"N 126°43'34.0"E	-	RNP APCH	IAF
002	TF	KE019	-	329 (320.6)	3.0	-	+6 000	-	37°11'58.6"N 126°41'10.5"E	-	RNP APCH	SDF
003	TF	POSOK	-	333 (324.8)	3.1	-	+5 000	-	37°14'30.3"N 126°38'56.6"E	-	RNP APCH	IF
004	TF	LEGUN	-	333 (324.8)	4.6	-	+3 600	-	37°18'14.5"N 126°35'38.6"E	-	RNP APCH	SDF
005	TF	KE008	-	333 (324.8)	3.1	-	+2 600	-	37°20'48.9"N 126°33'21.9"E	-	RNP APCH	SDF
006	TF	KIDAB	-	333 (324.7)	3.1	-	+1 600	-	37°23'23.2"N 126°31'05.1"E	-	RNP APCH	FAF
007	TF	RW33L	Y	333(324.7)	4.7	-	+510	-	37°27'15.2"N 126°27'39.08"E	-3.04/50	RNP APCH	MAPt
008	TF	KE991	-	348 (339.7)	9.1	-	-	-	37°35'45.4"N 126°23'41.5"E	-	RNP APCH	-
009	TF	GE984	-	258 (249.6)	6.8	-	-	-	37°33'23.2"N 126°15'41.7"E	-	RNP APCH	-
010	TF	GE978	Y	206 (197.5)	5.9	-	+4 000	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	-
011	HM	GE978	Y	088 (078.9)	-	L	-5 000 +4 000	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	1 min (Outbound timing)

**INSTRUMENT
APPROACH
CHART - ICAO**

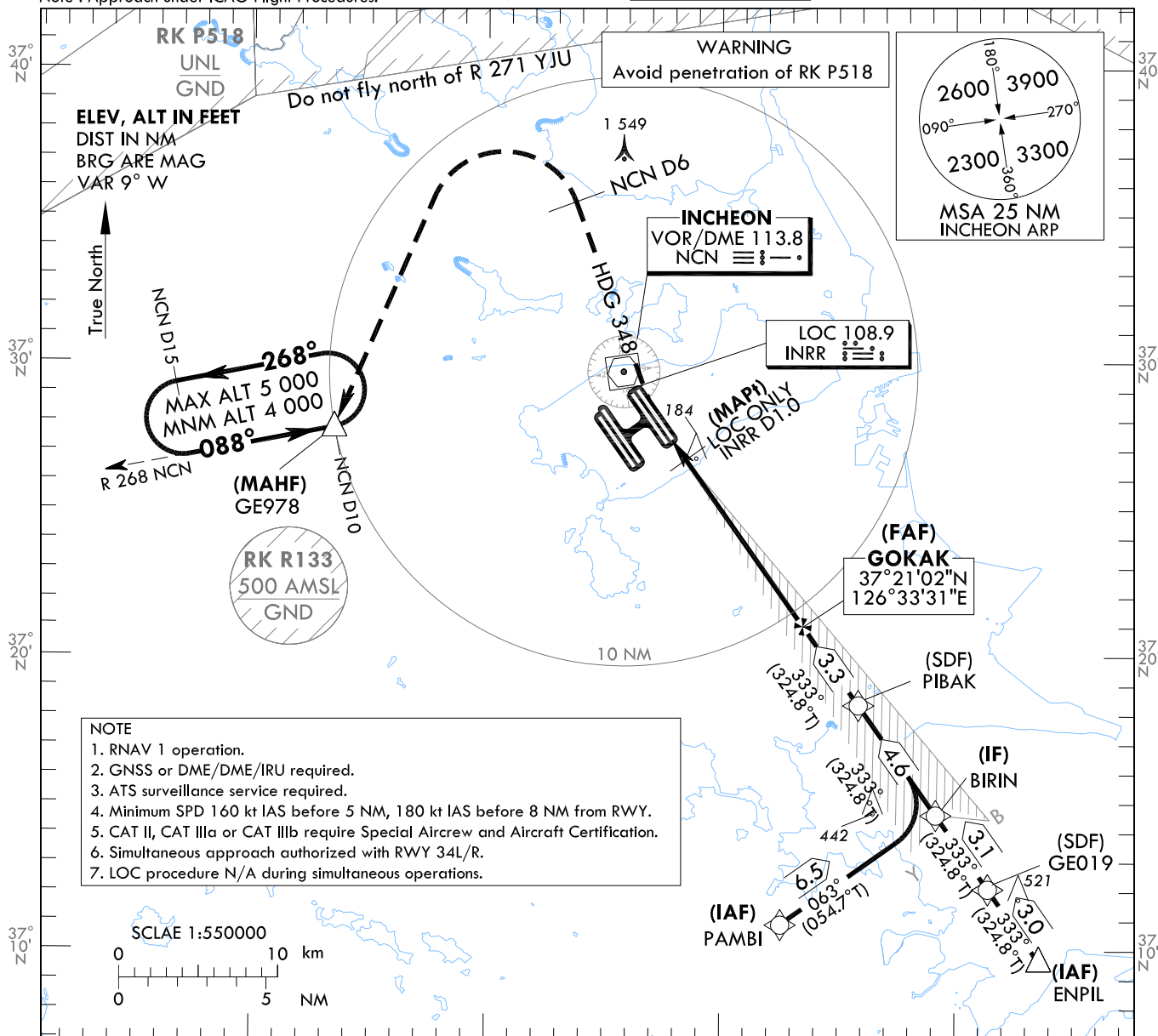
AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 33R - ELEV 23 ft
126°20'E

SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 33R
CAT II & III

Note : Approach under ICAO Flight Procedures.

126°40'E



CATEGORY			DA(DH)/MDA(MDH)	A	B	C	D
Straight -in	CAT-I	FULL	461 (438)		1 300 m		
	(CG 2.5%)	ALS INOP			2 000 m		
	CAT-I	FULL	223 (200)		RVR 550 m, VIS 800 m		
	(CG 4.0%)	ALS INOP			1 200 m		
	LOC	FULL	440 (417)		1 200 m		
		ALS INOP			1 900 m		
	CAT II		123(100)	300 m		300 m ¹⁾ / 350 m	
	CAT IIIa		-	175 m			
	CAT IIIb		-	75 m ²⁾ / 125 m			

MISSSED APPROACH
Climb to 500 ft on RWY HDG then turn right on HDG 348° to NCN 6 DME, continue climb to 4 000 ft turn left direct to GE978. Hold as published. Do not turn before passing MAPt.

1) For CAT D aeroplane conducting an autoland.
2) Aeroplane use Fail-operational system.
* Timing Not authorized for defining MAPt.
* Circling Not authorized.

Change : Information of radial(270° → 271°) and missed approach.

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 33R
CAT II & III

AERONAUTICAL DATA TABULATION

ILS/LOC Approach to RWY 33R from PAMBI to BIRIN(IF)		
Fix / Point	Coordinates	
PAMBI(IAF)	37°10'54.3"N	126°32'34.4"E
BIRIN(IF)	37°14'38.1"N	126°39'10.4"E

ILS/LOC Approach to RWY 33R from ENPIL to BIRIN(IF)		
Fix / Point	Coordinates	
ENPIL(IAF)	37°09'39.0"N	126°43'34.0"E
GE019(SDF)	37°12'06.3"N	126°41'24.3"E
BIRIN(IF)	37°14'38.1"N	126°39'10.4"E

ILS/LOC Approach to RWY 33R from BIRIN(IF) to MAHF		
Fix / Point	Coordinates	
PIBAK(SDF)	37°18'22.2"N	126°35'52.3"E
GOKAK(FAF) BRG 333.37°/7.92 NM INRR	37°21'02.4"N	126°33'30.5"E
D1.0 INRR (MAPt LOC ONLY) BRG 333.37°/1.00 NM INRR	37°26'41.9"N	126°28'29.3"E
THR RWY 33R	37°27'22.97"N	126°27'52.82"E
INRR DME	37°27'33.2"N	126°27'49.7"E
NCN VOR/DME	37°29'41.7"N	126°25'49.2"E
Climb to 500 ft HDG 333	-	
D6 NCN HDG 348	-	
GE978 BRG 267.72°/10 NM NCN	37°27'47.0"N	126°13'29.0"E

**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 33R - ELEV 23 ft

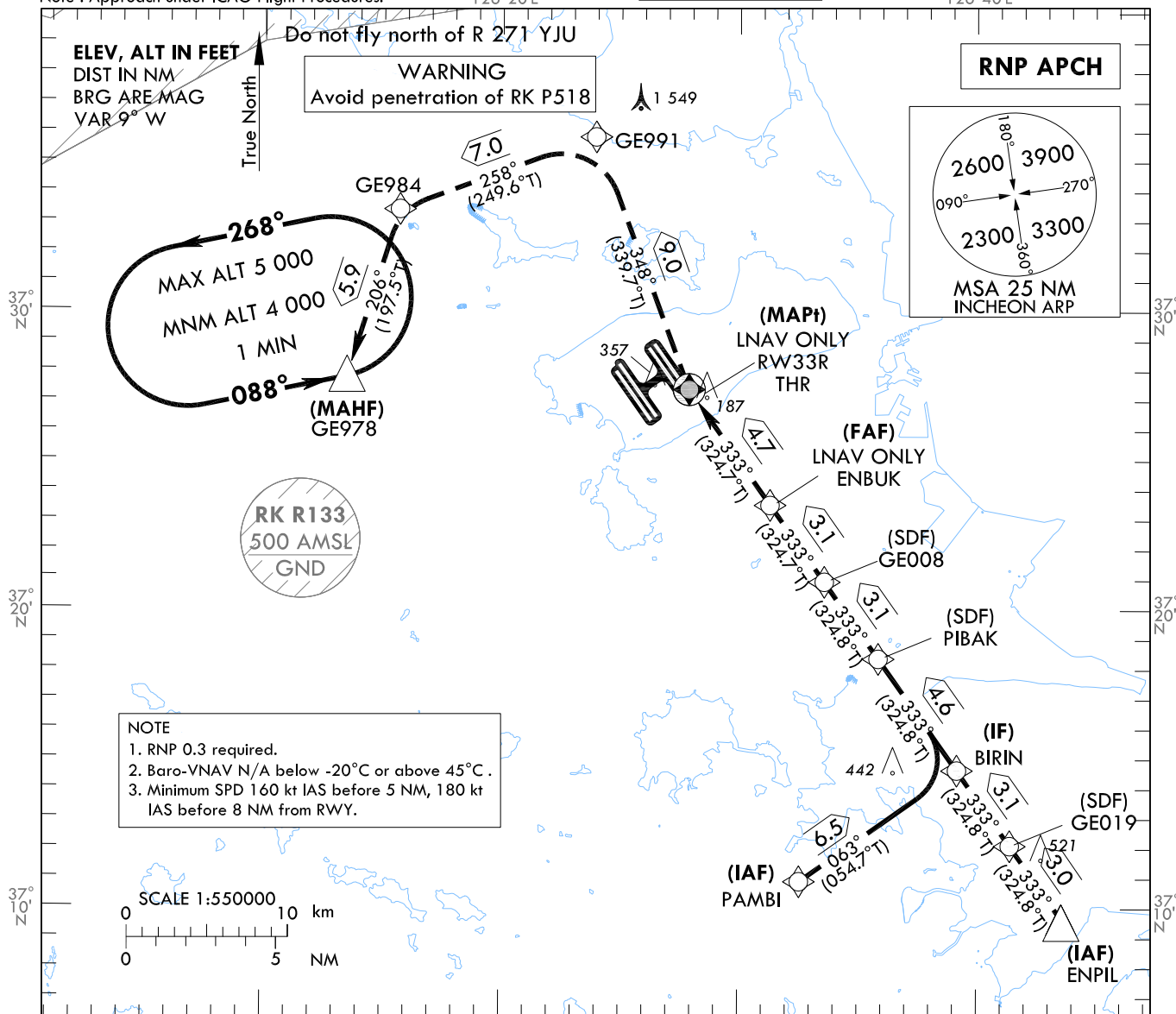
SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

**SEOUL/Incheon Intl(RKSI)
RNP RWY 33R**

Note : Approach under ICAO Flight Procedures.

126°20'E

126°40'E



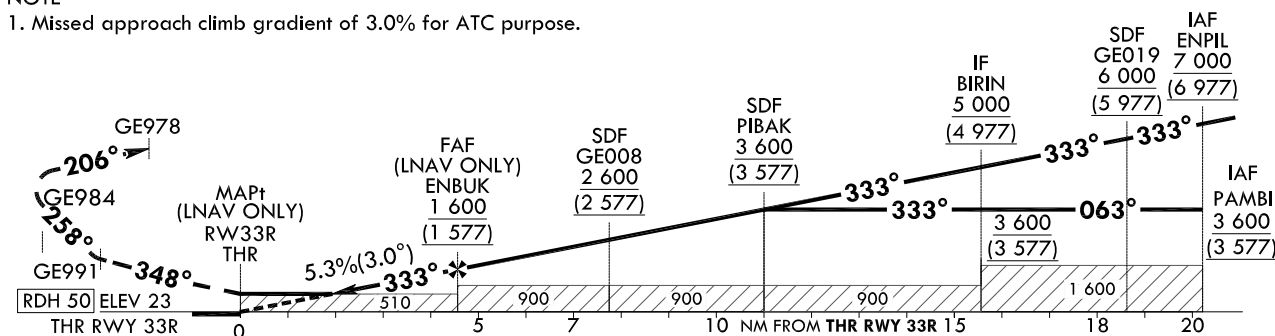
MISSED APPROACH

Climb to 4 000 ft. Track to GE991, GE984 and GE978.
Hold as published.

**TRANSITION ALT 14 000
TRANSITION LVL FL 140**

NOTE

1. Missed approach climb gradient of 3.0% for ATC purpose.



CATEGORY			MDA(H)/DA(H)	A	B	C	D		Knots	60	90	120	150	180
STA	LNAV	FULL	510	1 500 m				Rate of descent	V/V fpm	323	484	645	807	968
		ALS INOP	(487)	2 300 m										
	LNAV/VNAV	FULL	430	1 200 m				* Timing Not authorized for defining MAPt.						
		ALS INOP	(407)	1 900 m				* Circling Not authorized.						

Change : Information of radial(270° → 271°).

SEOUL/Incheon Intl(RKSI)
RNP RWY 33R

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 33R - via PAMBI(IAF) to GE978(MAHF)

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	PAMBI	-	-	-	-	+3 600	-	37°10'54.3"N 126°32'34.4"E	-	RNP APCH	IAF
002	TF	BIRIN	-	063 (054.7)	6.5	-	+3 600	-	37°14'38.1"N 126°39'10.4"E	-	RNP APCH	IF
003	TF	PIBAK	-	333 (324.8)	4.6	-	+3 600	-	37°18'22.2"N 126°35'52.3"E	-	RNP APCH	SDF
004	TF	GE008	-	333 (324.8)	3.1	-	+2 600	-	37°20'56.6"N 126°33'35.7"E	-	RNP APCH	SDF
005	TF	ENBUK	-	333 (324.7)	3.1	-	+1 600	-	37°23'31.0"N 126°31'18.8"E	-	RNP APCH	FAF
006	TF	RW33R	Y	333(324.7)	4.7	-	+510	-	37°27'22.97"N 126°27'52.82"E	-3.04/50	RNP APCH	MAPt
007	TF	GE991	-	348 (339.7)	9.0	-	-	-	37°35'49.9"N 126°23'56.8"E	-	RNP APCH	-
008	TF	GE984	-	258 (249.6)	7.0	-	-	-	37°33'23.2"N 126°15'41.7"E	-	RNP APCH	-
009	TF	GE978	Y	206 (197.5)	5.9	-	+4 000	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	-
010	HM	GE978	Y	088 (078.9)	-	L	-5 000 +4 000	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	1 min (Outbound timing)

RNP RWY 33R - via ENPIL(IAF) to GE978(MAHF)

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	ENPIL	-	-	-	-	+7 000	-	37°09'39.0"N 126°43'34.0"E	-	RNP APCH	IAF
002	TF	GE019	-	333 (324.8)	3.0	-	+6 000	-	37°12'06.3"N 126°41'24.3"E	-	RNP APCH	SDF
003	TF	BIRIN	-	333 (324.8)	3.1	-	+5 000	-	37°14'38.1"N 126°39'10.4"E	-	RNP APCH	IF
004	TF	PIBAK	-	333 (324.8)	4.6	-	+3 600	-	37°18'22.2"N 126°35'52.3"E	-	RNP APCH	SDF
005	TF	GE008	-	333 (324.8)	3.1	-	+2 600	-	37°20'56.6"N 126°33'35.7"E	-	RNP APCH	SDF
006	TF	ENBUK	-	333 (324.7)	3.1	-	+1 600	-	37°23'31.0"N 126°31'18.8"E	-	RNP APCH	FAF
007	TF	RW33R	Y	333(324.7)	4.7	-	+510	-	37°27'22.97"N 126°27'52.82"E	-3.04/50	RNP APCH	MAPt
008	TF	GE991	-	348 (339.7)	9.0	-	-	-	37°35'49.9"N 126°23'56.8"E	-	RNP APCH	-
009	TF	GE984	-	258 (249.6)	7.0	-	-	-	37°33'23.2"N 126°15'41.7"E	-	RNP APCH	-
010	TF	GE978	Y	206 (197.5)	5.9	-	+4 000	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	-
011	HM	GE978	Y	088 (078.9)	-	L	-5 000 +4 000	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	1 min (Outbound timing)

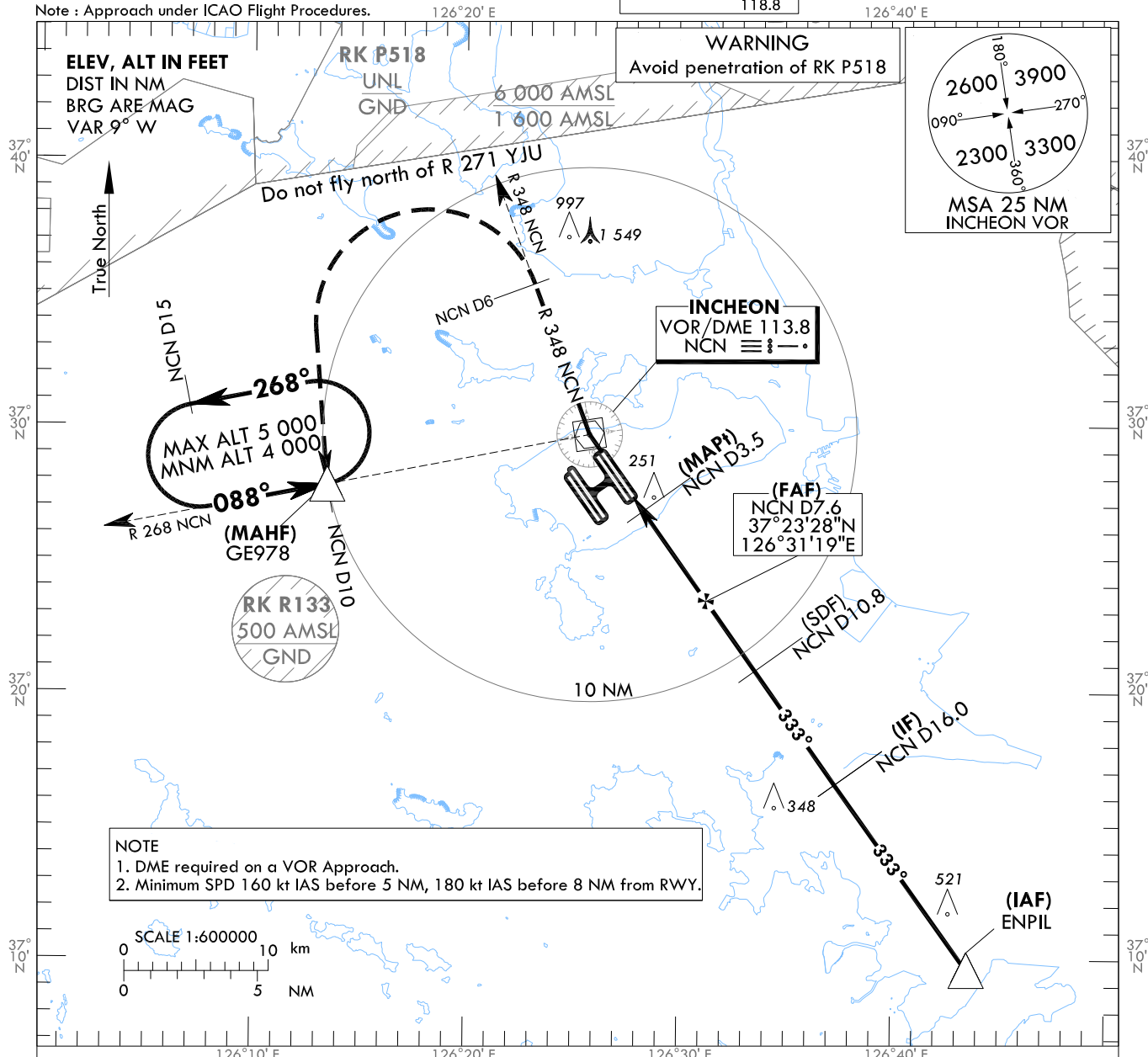
**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 33R - ELEV 23 ft

SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

**SEOUL/Incheon Intl(RKSI)
VOR RWY 33R**

Note : Approach under ICAO Flight Procedures.

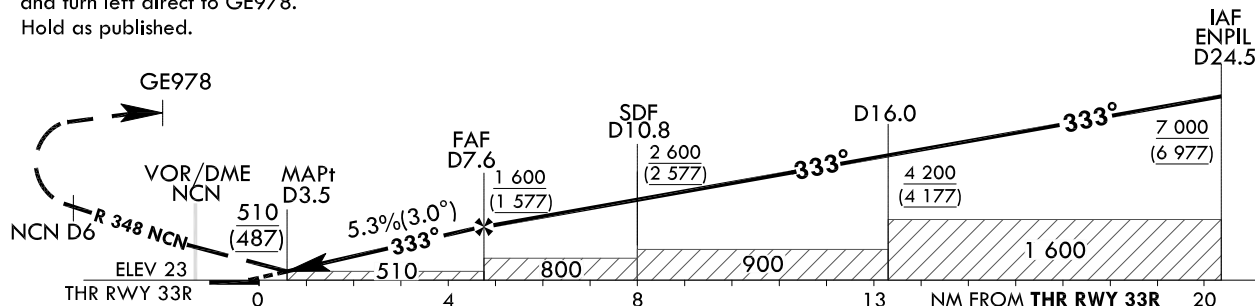


RECOMMENDED PROFILE	DME NCN	7	6	5
Final Approach Gradient 5.3%(319.8 ft/NM)	ALT(HGT)	1 441(1 418)	1 121(1 098)	801(778)

MISSED APPROACH

Climb to 4 000 ft via NCN VOR then turn right on R 348 NCN to 6 DME and turn left direct to GE978.
Hold as published.

TRANSITION ALT 14 000
TRANSITION LVL FL 140



CATEGORY		MDA(MDH)	A	B	C	D		Knots	60	90	120	150	180
Straight-in	FULL	510 (487)	1 500 m				Rate of descent	V/V fpm	320	480	640	800	960
	ALS INOP		2 300 m					* Timing Not authorized for defining MAPt. * Circling Not authorized.					

Change : Information of radial(270° → 271°).

AERONAUTICAL DATA TABULATION

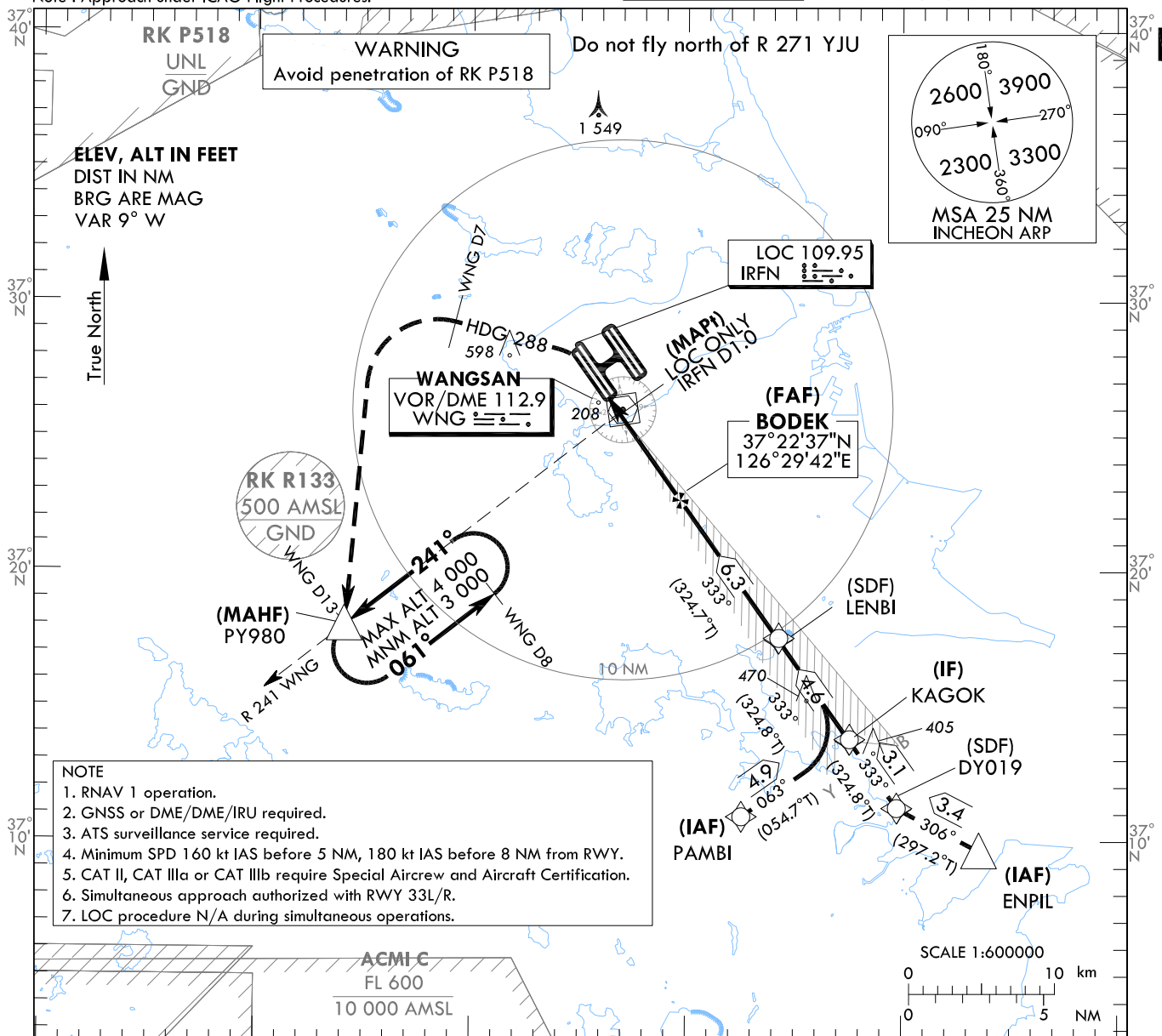
VOR Approach to RWY 33R from ENPIL			
Fix / Point		Coordinates	
ENPIL(IAF)		37°09'39.0"N	126°43'34.0"E
D16 NCN(IF)	BRG 333.19°/8.51 NM	37°16'35.5"N	126°37'22.8"E
D10.8 NCN(SDF)	BRG 333.00°/10.80 NM NCN	37°20'51.0"N	126°33'37.9"E
D7.6 NCN(FAF)	BRG 333.00°/7.60 NM NCN	37°23'28.2"N	126°31'19.3"E
D3.5 NCN(MAPt)	BRG 333.00°/3.50 NM NCN	37°26'49.6"N	126°28'21.5"E
THR RWY 33R	Final approach descent angle 3°	37°27'22.97"N	126°27'52.82"E
NCN VOR/DME		37°29'41.7"N	126°25'49.2"E
D6 NCN	R 348 NCN/6.00 NM NCN	37°35'19.7"N	126°23'12.9"E
GE978	BRG 267.72°/10.00 NM NCN	37°27'47.0"N	126°13'29.0"E

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 34L - ELEV **23 ft**

SEOUL	APP	119.75
		121.35
INCHEON	TWR	118.2
		118.8

**SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 34L
CAT II & III**

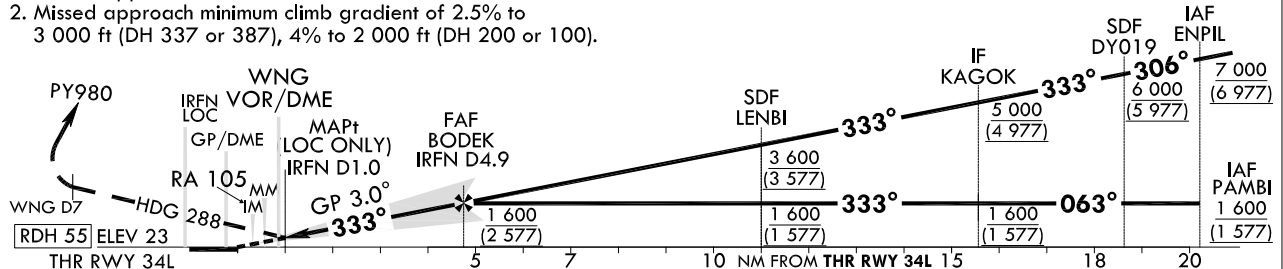
Note : Approach under ICAO Flight Procedures.



RECOMMENDED PROFILE(LOC ONLY)	DME IRFN	4	3	2	TRANSITION ALT 14 000 TRANSITION LVL FL 140
Final Approach Gradient 5.30%, 322 ft/NM	ALT(HGT)	1 310 (1 287)	988 (965)	666 (643)	

NOTE

1. Missed approach turn limited to 210 kt IAS maximum.
2. Missed approach minimum climb gradient of 2.5% to 3 000 ft (DH 337 or 387), 4% to 2 000 ft (DH 200 or 100).



CATEGORY			DA(DH)/ MDA(MDH)	A	B	C	D	MISSED APPROACH Climb to 500 ft on RWY HDG then turn left on HDG 288° to WNG to 7 DME, continue climb to 3 000 ft turn left direct to PY980. Hold as published. Do not turn before passing MAPt. 1) For CAT D aeroplane conducting an autoland. 2) Aeroplane use Fail-operational system. * Timing Not authorized for defining MAPt. * Circling Not authorized.
Straight -in	CAT-I (CG 2.5%)	FULL ALS INOP	360 (337)		800 m			
					1 500 m			
	CAT-I (CG 4.0%)	FULL ALS INOP	223 (200)		RVR 550 m, VIS 800 m			
					1 200 m			
					1 100 m			
	LOC	FULL ALS INOP	410 (387)		1 100 m			
					1 800 m			
	CAT II		1 23(100)		300 m	300 m ¹⁾ / 350 m		
	CAT IIIa		-		175 m			
	CAT IIIb		-		75 m ²⁾ / 125 m			

Change : Information of radial($270^{\circ} \rightarrow 271^{\circ}$) and missed approach.

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 34L
CAT II & III

AERONAUTICAL DATA TABULATION

ILS/LOC Approach to RWY 34L from PAMBI to KAGOK(IF)		
Fix / Point	Coordinates	
PAMBI(IAF)	37°10'54.3"N	126°32'34.4"E
KAGOK(IF)	37°13'43.8"N	126°37'34.2"E

ILS/LOC Approach to RWY 34L from ENPIL to KAGOK(IF)		
Fix / Point	Coordinates	
ENPIL(IAF)	37°09'39.0"N	126°43'34.0"E
DY019(SDF)	37°11'12.0"N	126°39'48.0"E
KAGOK(IF)	37°13'43.8"N	126°37'34.2"E

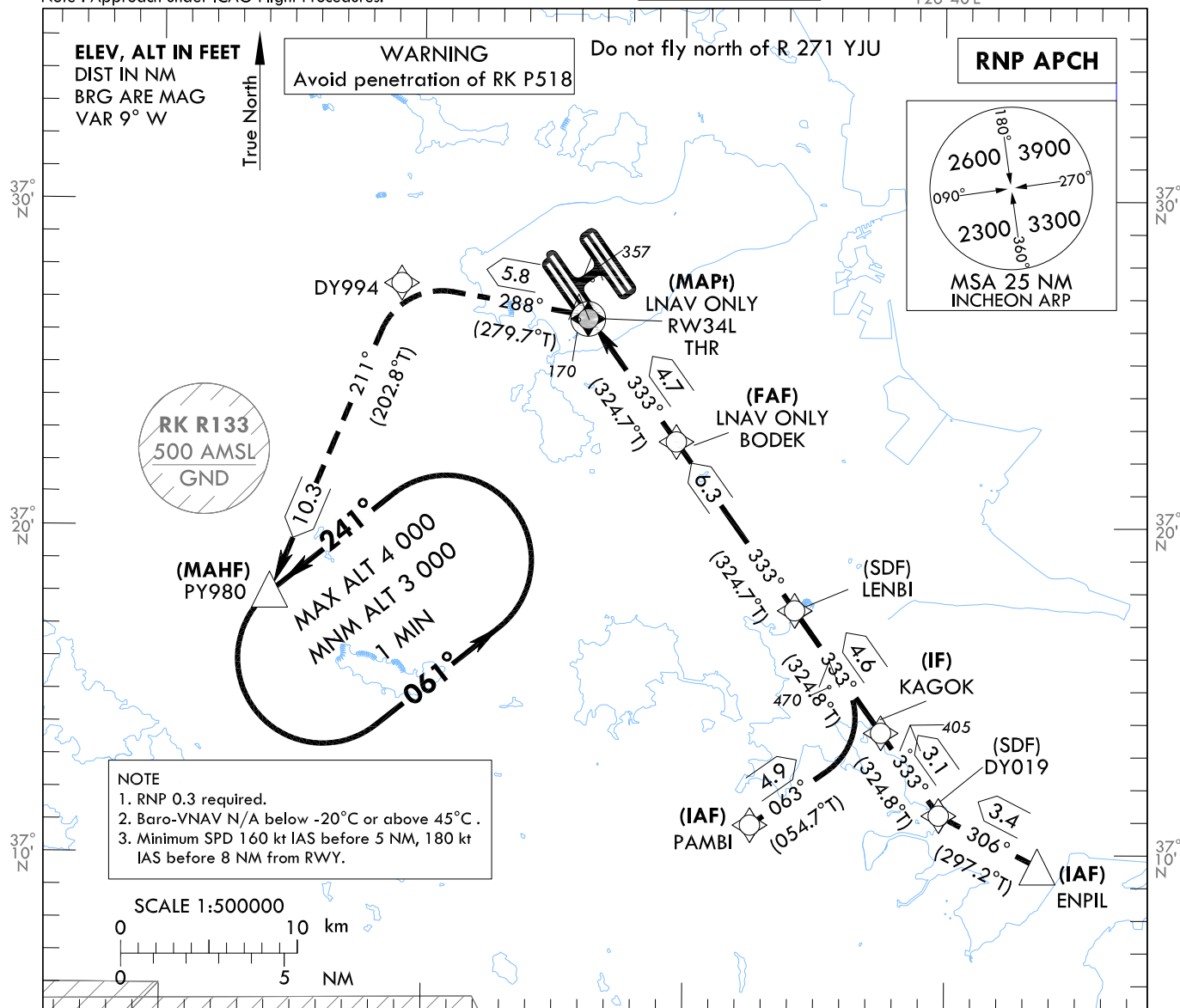
ILS/LOC Approach to RWY 34L from KAGOK(IF) to MAHF		
Fix / Point	Coordinates	
LENBI(SDF)	37°17'27.8"N	126°34'16.1"E
BODEK(FAF) BRG 333.20°/4.89 NM IRFN	37°22'37.3"N	126°29'41.9"E
D1.0 IRFN (MAPt LOC ONLY) BRG 333.20°/1.00 NM IRFN	37°25'48.0"N	126°26'52.4"E
WNG VOR/DME	37°25'58.6"N	126°27'00.0"E
THR RWY 34L	37°26'28.50"N	126°26'16.45"E
IRFN DME	37°26'34.7"N	126°26'04.9"E
Climb to 500 ft HDG 333	-	
D7 WNG HDG 288	-	
PY980 BRG 240.75°/13.00 NM WNG	37°17'58.7"N	126°14'09.0"E

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 34L - ELEV **23 ft**

SEOUL	APP	119.75
		121.35
INCHEON	TWR	118.2
		118.8

SEOUL/Incheon Intl(RKSI)
RNP RWY 34L

Note : Approach under ICAO Flight Procedures.

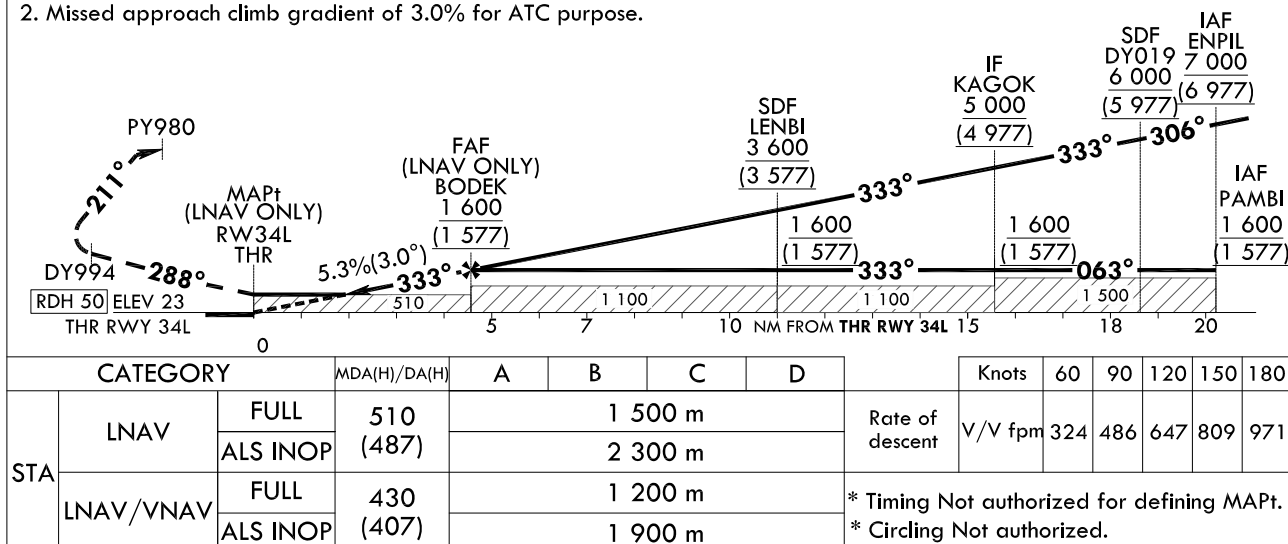


TRANSITION ALT	14 000
TRANSITION LVL	FL 140

Climb to 3 000 ft. Track to DY994, PY980.
Hold as published.

NOTE

1. Missed approach turn limited to 220 kt IAS maximum.
2. Missed approach climb gradient of 3.0% for ATC purpose.



Change : Information of radial($270^{\circ} \rightarrow 271^{\circ}$).

SEOUL/Incheon Intl(RKSI)
RNP RWY 34L

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 34L - via PAMBI to PY980(MAHF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
001	IF	PAMBI	-	-	-	-	+1 600	-	37°10'54.3"N 126°32'34.4"E	-	RNP APCH	IAF
002	TF	KAGOK	-	063 (054.7)	4.9	-	+1 600	-	37°13'43.8"N 126°37'34.2"E	-	RNP APCH	IF
003	TF	LENBI	-	333 (324.8)	4.6	-	+1 600	-	37°17'27.8"N 126°34'16.1"E	-	RNP APCH	SDF
004	TF	BODEK	-	333 (324.7)	6.3	-	+1 600	-	37°22'37.3"N 126°29'41.9"E	-	RNP APCH	FAF
005	TF	RW34L	Y	333 (324.7)	4.7	-	+510	-	37°26'28.50"N 126°26'16.45"E	-3.04/50	RNP APCH	MAPt
006	TF	DY994	-	288 (279.7)	5.8	-	-	-220	37°27'26.9"N 126°19'07.5"E	-	RNP APCH	-
007	TF	PY980	Y	211 (202.8)	10.3	-	+3 000	-220	37°17'58.7"N 126°14'09.0"E	-	RNP APCH	MAHF
008	HM	PY980	Y	241 (232.0)	-	L	-4 000 +3 000	-	37°17'58.7"N 126°14'09.0"E	-	RNP APCH	1 min (Outbound timing)

RNP RWY 34L - via ENPIL(IAF) to PY980(MAHF)

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
001	IF	ENPIL	-	-	-	-	+7 000	-	37°09'39.0"N 126°43'34.0"E	-	RNP APCH	IAF
002	TF	DY019	-	306 (297.2)	3.4	-	+6 000	-	37°11'12.0"N 126°39'48.0"E	-	RNP APCH	SDF
003	TF	KAGOK	-	333 (324.8)	3.1	-	+5 000	-	37°13'43.8"N 126°37'34.2"E	-	RNP APCH	IF
004	TF	LENBI	-	333 (324.8)	4.6	-	+3 600	-	37°17'27.8"N 126°34'16.1"E	-	RNP APCH	SDF
005	TF	BODEK	-	333 (324.7)	6.3	-	+1 600	-	37°22'37.3"N 126°29'41.9"E	-	RNP APCH	FAF
006	TF	RW34L	Y	333 (324.7)	4.7	-	+510	-	37°26'28.50"N 126°26'16.45"E	-3.04/50	RNP APCH	MAPt
007	TF	DY994	-	288 (279.7)	5.8	-	-	-220	37°27'26.9"N 126°19'07.5"E	-	RNP APCH	-
008	TF	PY980	Y	211 (202.8)	10.3	-	+3 000	-220	37°17'58.7"N 126°14'09.0"E	-	RNP APCH	MAHF
009	HM	PY980	Y	241 (232.0)	-	L	-4 000 +3 000	-	37°17'58.7"N 126°14'09.0"E	-	RNP APCH	1 min (Outbound timing)

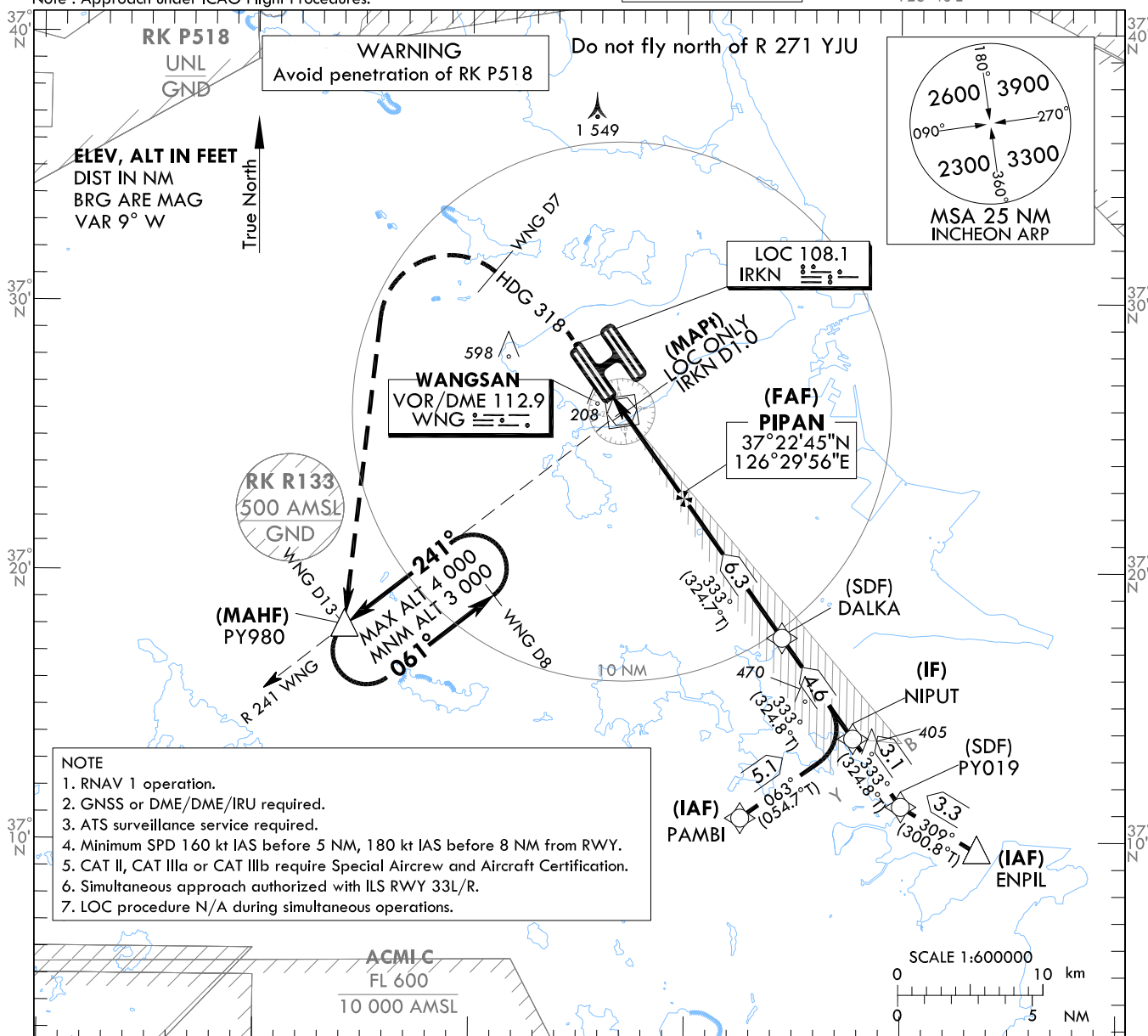
**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 34R - ELEV 23 ft

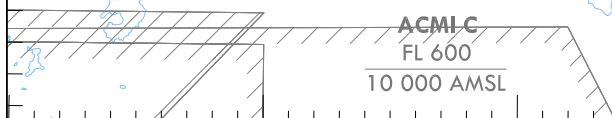
SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 34R
CAT II & III

Note : Approach under ICAO Flight Procedures.

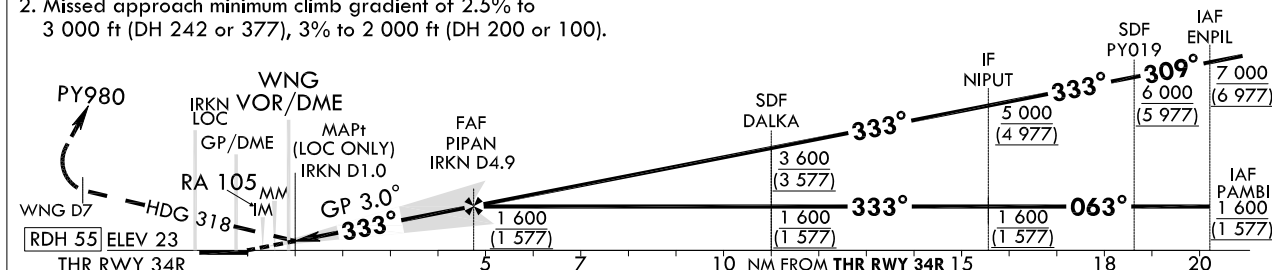


- NOTE**
1. RNAV 1 operation.
 2. GNSS or DME/DME/IRU required.
 3. ATS surveillance service required.
 4. Minimum SPD 160 kt IAS before 5 NM, 180 kt IAS before 8 NM from RWY.
 5. CAT II, CAT IIIa or CAT IIIb require Special Aircrew and Aircraft Certification.
 6. Simultaneous approach authorized with ILS RWY 33L/R.
 7. LOC procedure N/A during simultaneous operations.



RECOMMENDED PROFILE(LOC ONLY)	DME IRKN	4	3	2	TRANSITION ALT	TRANSITION LVL
Final Approach Gradient 5.30%, 322 ft/NM	ALT(HGT)	1 311 (1 288)	988 (965)	666 (643)	14 000	FL 140

- NOTE**
1. Missed approach turn limited to 210 kt IAS maximum.
 2. Missed approach minimum climb gradient of 2.5% to 3 000 ft (DH 242 or 377), 3% to 2 000 ft (DH 200 or 100).



CATEGORY		DA(DH)/MDA(MDH)	A	B	C	D	MISSED APPROACH
Straight-in	CAT-I (CG 2.5%)	FULL ALS INOP	265 (242)	RVR 550 m, VIS 800 m			Climb to 500 ft on RWY HDG then turn left on HDG 318° to WNG 7 DME, continue climb to 3 000 ft turn left direct to PY980. Hold as published. Do not turn before passing MAPt. 1) For CAT D aeroplane conducting an autoland. 2) Aeroplane use Fail-operational system. * Timing Not authorized for defining MAPt. * Circling Not authorized.
	CAT-I (CG 3.0%)	FULL ALS INOP	223 (200)	RVR 550 m, VIS 800 m			
	LOC	FULL ALS INOP	400 (377)		1 000 m	1 700 m	
	CAT II		123(100)		300 m	300 m ¹⁾ / 350 m	
	CAT IIIa		-		175 m		
	CAT IIIb		-		75 m ²⁾ / 125 m		

Change : Information of radial(270° → 271°) and missed approach.

SEOUL/Incheon Intl(RKSI)
ILS or LOC RWY 34R
CAT II & III

AERONAUTICAL DATA TABULATION

ILS/LOC Approach to RWY 34R from PAMBI to NIPUT(IF)		
Fix / Point	Coordinates	
PAMBI(IAF)	37°10'54.3"N	126°32'34.4"E
NIPUT(IF)	37°13'51.5"N	126°37'47.9"E

ILS/LOC Approach to RWY 34R from ENPIL to NIPUT(IF)		
Fix / Point	Coordinates	
ENPIL(IAF)	37°09'39.0"N	126°43'34.0"E
PY019(SDF)	37°11'20.4"N	126°40'01.2"E
NIPUT(IF)	37°13'51.5"N	126°37'47.9"E

ILS/LOC Approach to RWY 34R from NIPUT(IF) to MAHF		
Fix / Point	Coordinates	
DALKA(SDF)	37°17'35.6"N	126°34'29.8"E
PIPAN(FAF) BRG 333.34°/4.89 NM IRKN	37°22'45.1"N	126°29'55.6"E
D1.0 IRKN (MAPt LOC ONLY) BRG 333.34°/1.00 NM IRKN	37°25'55.7"N	126°27'06.3"E
WNG VOR/DME	37°25'58.6"N	126°27'00.0"E
THR RWY 34R	37°26'36.29"N	126°26'30.21"E
IRKN DME	37°26'42.5"N	126°26'18.8"E
Climb to 500 ft HDG 333	-	
D7 WNG HDG 318	-	
PY980 BRG 240.75°/13.00 NM WNG	37°17'58.7"N	126°14'09.0"E

**INSTRUMENT
APPROACH
CHART - ICAO**

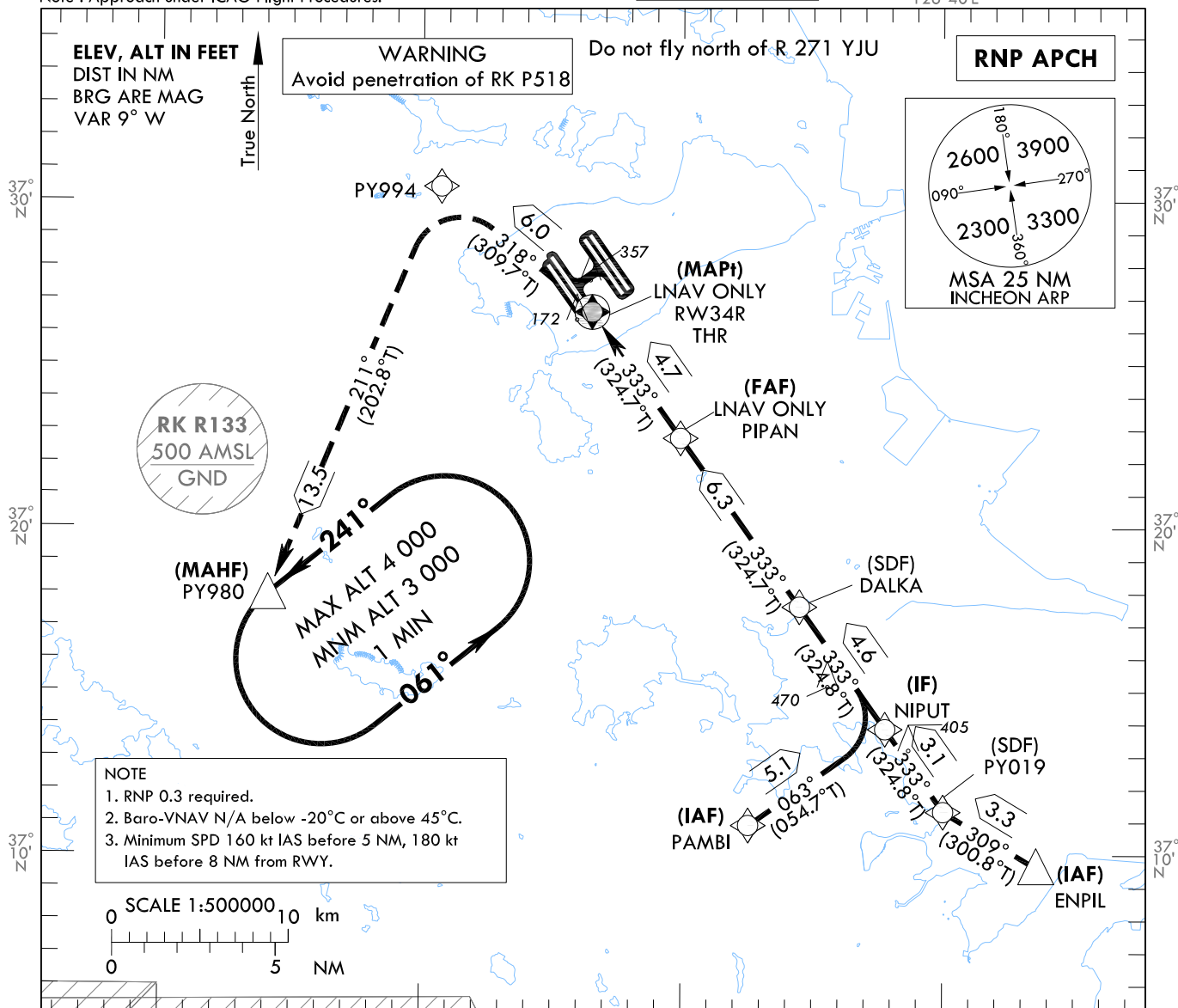
AERODROME ELEV 23 ft
HEIGHTS RELATED TO
THR RWY 34R - ELEV 23 ft

SEOUL APP 119.75
121.35
INCHEON TWR 118.2
118.8

**SEOUL/Incheon Intl(RKSI)
RNP RWY 34R**

Note : Approach under ICAO Flight Procedures.

126°40'E



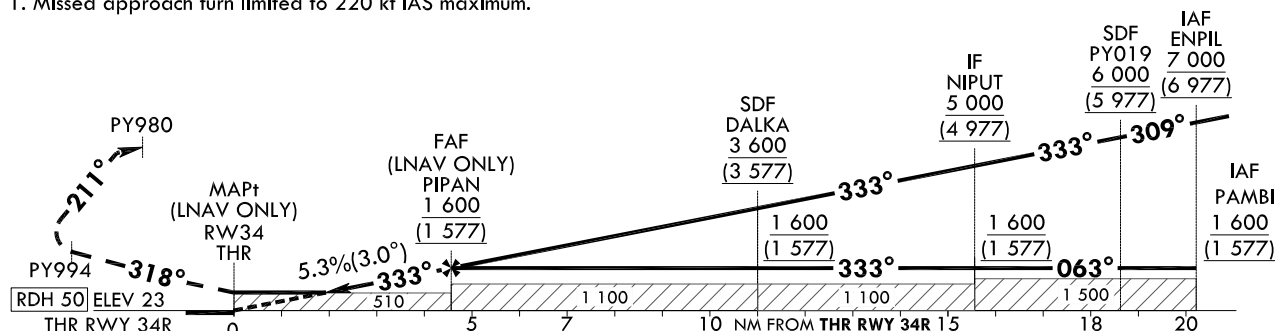
MISSED APPROACH

Climb to 3 000 ft. Track to PY994, PY980.
Hold as published.

NOTE

1. Missed approach turn limited to 220 kt IAS maximum.

**TRANSITION ALT 14 000
TRANSITION LVL FL 140**



CATEGORY			MDA(H)/DA(H)	A	B	C	D		Knots	60	90	120	150	180
STA	LNAV	FULL	510	1 500 m				Rate of descent	V/V fpm	324	486	647	809	971
		ALS INOP	(487)	2 300 m										
	LNAV/VNAV	FULL	430	1 200 m				* Timing Not authorized for defining MAPt. * Circling Not authorized.						
		ALS INOP	(407)	1 900 m										

Change : Information of radial(270° → 271°).

SEOUL/Incheon Intl(RKSI)
RNP RWY 34R

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 34R - via PAMBI(IAF) to PY980(MAHF)

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	PAMBI	-	-	-	-	+1 600	-	37°10'54.3"N 126°32'34.4"E	-	RNP APCH	IAF
002	TF	NIPUT	-	063 (054.7)	5.1	-	+1 600	-	37°13'51.5"N 126°37'47.9"E	-	RNP APCH	IF
003	TF	DALKA	-	333 (324.8)	4.6	-	+1 600	-	37°17'35.6"N 126°34'29.8"E	-	RNP APCH	SDF
004	TF	PIPAN	-	333 (324.7)	6.3	-	+1 600	-	37°22'45.1"N 126°29'55.6"E	-	RNP APCH	FAF
005	TF	RW34R	Y	333(324.7)	4.7	-	+510	-	37°26'36.29"N 126°26'30.21"E	-3.04/50	RNP APCH	MAPt
006	TF	PY994	-	318 (309.7)	6.0	-	-	-220	37°30'26.2"N 126°20'41.9"E	-	RNP APCH	-
007	TF	PY980	Y	211 (202.8)	13.5	-	+3 000	-220	37°17'58.7"N 126°14'09.0"E	-	RNP APCH	-
008	HM	PY980	Y	241 (232.0)	-	L	-4 000 +3 000	-	37°17'58.7"N 126°14'09.0"E	-	RNP APCH	1 min (Outbound timing)

RNP RWY 34R - via ENPIL(IAF) to PY980(MAHF)

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	ENPIL	-	-	-	-	+7 000	-	37°09'39.0"N 126°43'34.0"E	-	RNP APCH	IAF
002	TF	PY019	-	309 (300.8)	3.3	-	+6 000	-	37°11'20.4"N 126°40'01.2"E	-	RNP APCH	SDF
003	TF	NIPUT	-	333 (324.8)	3.1	-	+5 000	-	37°13'51.5"N 126°37'47.9"E	-	RNP APCH	IF
004	TF	DALKA	-	333 (324.8)	4.6	-	+3 600	-	37°17'35.6"N 126°34'29.8"E	-	RNP APCH	SDF
005	TF	PIPAN	-	333 (324.7)	6.3	-	+1 600	-	37°22'45.1"N 126°29'55.6"E	-	RNP APCH	FAF
006	TF	RW34R	Y	333(324.7)	4.7	-	+510	-	37°26'36.29"N 126°26'30.21"E	-3.04/50	RNP APCH	MAPt
007	TF	PY994	-	318 (309.7)	6.0	-	-	-220	37°30'26.2"N 126°20'41.9"E	-	RNP APCH	-
008	TF	PY980	Y	211 (202.8)	13.5	-	+3 000	-220	37°17'58.7"N 126°14'09.0"E	-	RNP APCH	-
009	HM	PY980	Y	241 (232.0)	-	L	-4 000 +3 000	-	37°17'58.7"N 126°14'09.0"E	-	RNP APCH	1 min (Outbound timing)