

**INSTRUMENT  
APPROACH  
CHART - ICAO**

Note : Approach ICAO Flight Procedures

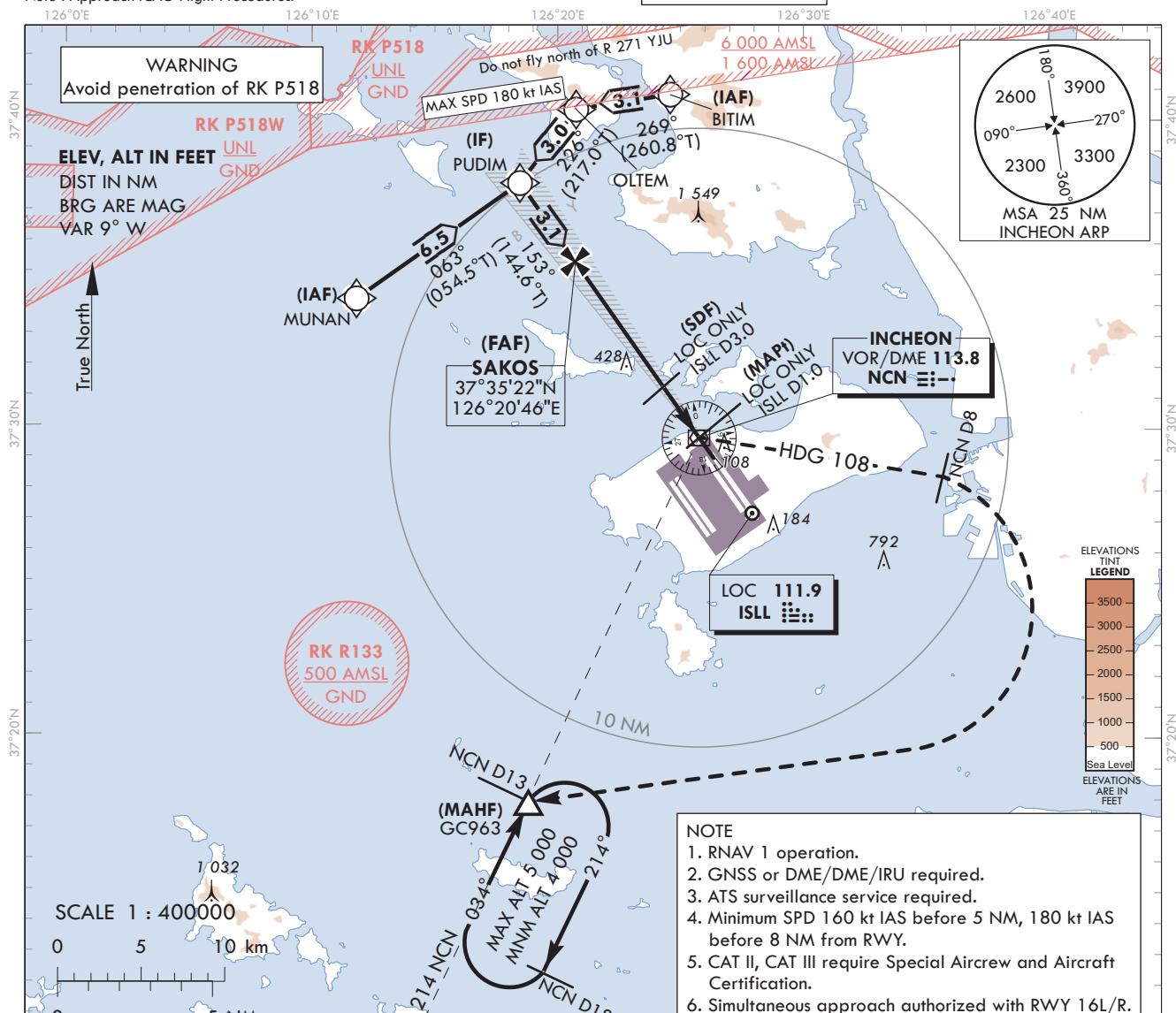
**AERODROME ELEV 23 ft**  
HEIGHTS RELATED TO  
**THR RWY 15L - ELEV 23 ft**

SEOUL	APP	119.75
		121.35
INCHEON	TWR	118.2
		118.8

SEOUL/Incheon Intl(RKSI)

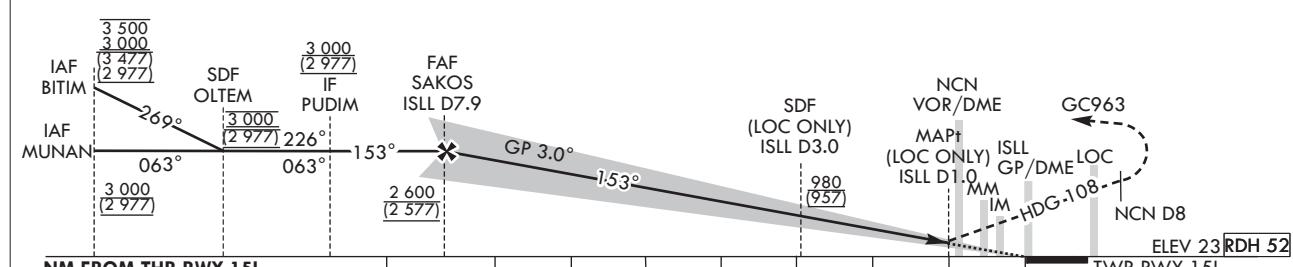
**ILS Z or LOC Z RWY 15L**

CAT II & III



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)	(2 283) 2 283	(1 980) 1 980	(1 653) 1 653	(1 327) 1 327	(978) 978	(674) 674



NM FROM THR RWY 15L			9	7	5	3	1	0	TWR RWY 15L
CATEGORY			DA(DH)/MDA(MDH)	A	B	C	D		MISSED APPROACH
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 <sup>1)</sup> / 350 m		
	CAT III		-	75 m <sup>2)</sup> / 125 m					

Change : Amended phrase.

**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

INSTRUMENT  
APPROACH  
CHART - ICAO

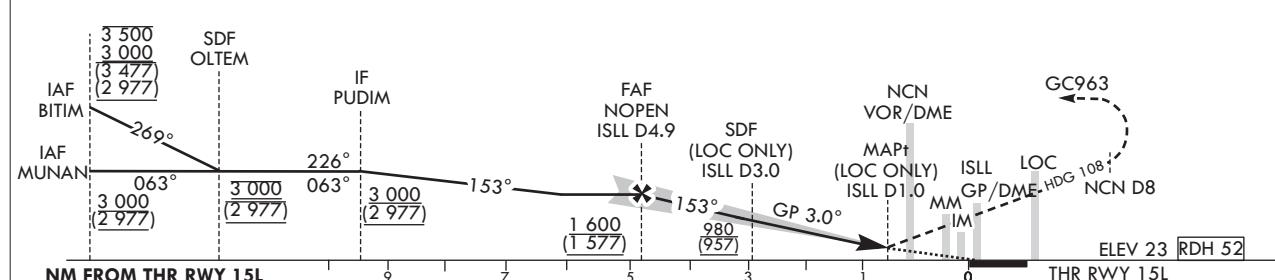
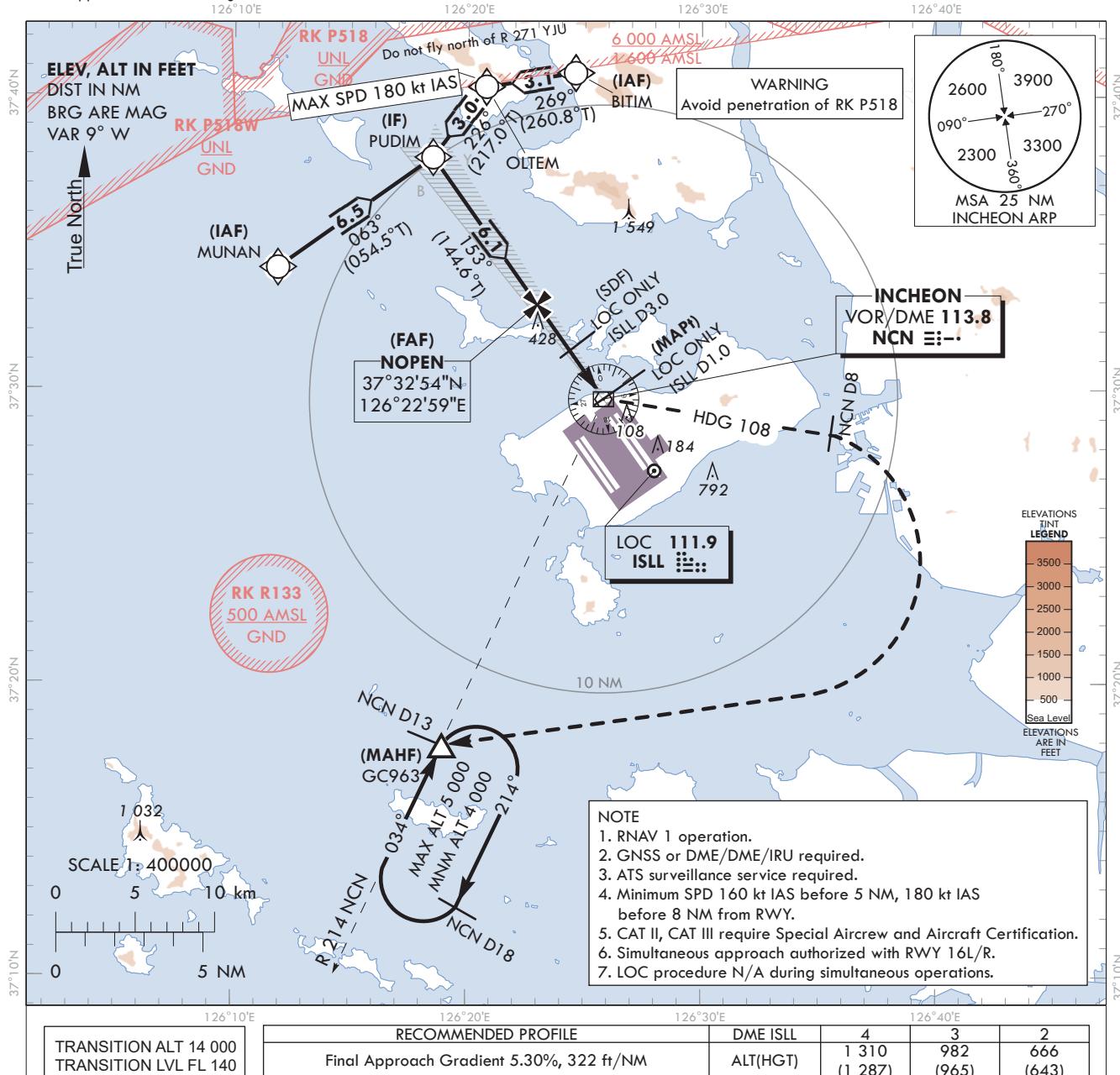
Note : Approach under ICAO Flight Procedures.

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 Y or LOC Y RWY 15L  
CAT II & III



CATEGORY	DA(DH)/MDA(MDH)	A	B	C	D
Straight-in	CAT-I	FULL	223		
		ALS INOP	(200)	1 200 m	
	LOC	FULL	370	900 m	
		ALS INOP	(347)	1 600 m	
	CAT II	123(100)	300 m	300 m <sup>1)</sup> / 350 m	
CAT III	-		75 m <sup>2)</sup> / 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 : Amended phrase.

**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
D3.0 ISLL (SDF LOC ONLY)	BRG 153.15°/2.98 NM ISLL
D1.0 ISLL (MAPt LOC ONLY)	BRG 153.15°/0.98 NM ISLL
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

**INSTRUMENT  
APPROACH  
CHART - ICAC**

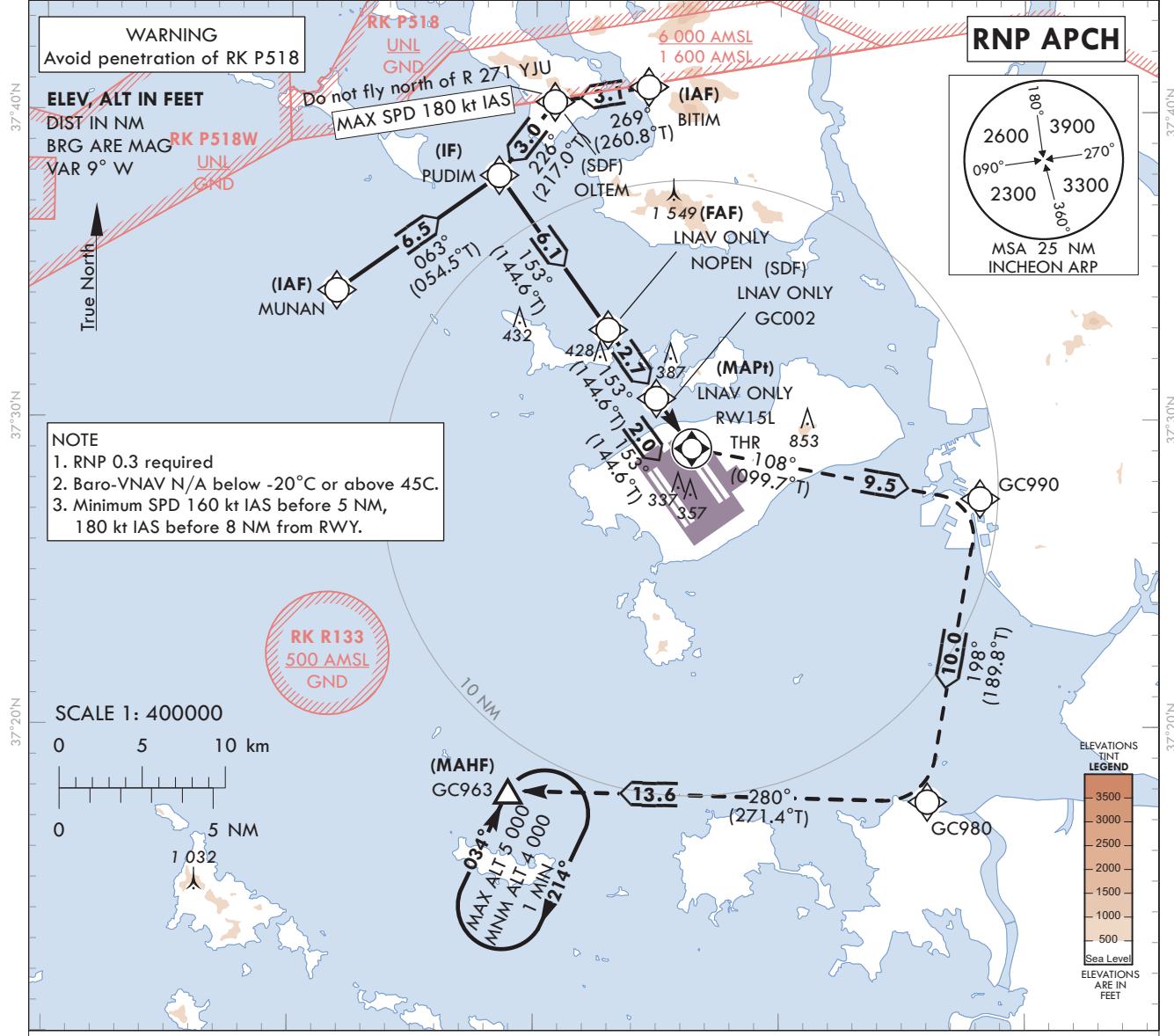
Note : Approach under ICAO Flight Procedures.

**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 Int'l(RKSI)

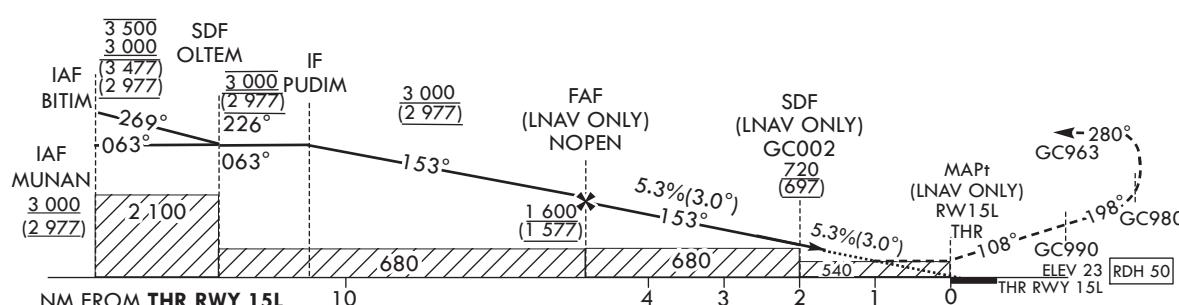
RNP RWY 15L



TRANSITION ALT 14 000  
TRANSITION LVL FL 140

## MISSED APPROACH

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



Change : Improved clarity such as terrain.

SEOUL/Incheon Intl(RKSI)  
RNP RWY 15L

## AERONAUTICAL DATA TABULATION

## Instrument Approach Procedure Coding Tables

RNP RWY 15L - via MUNAN(IF) 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	NOPEN	-	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	MAP†
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	HW	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(IF) 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	NOPEN	-	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	MAP†
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	1 min (Outbound timing)
010	HW	GC963	Y	034 (025.0)	-	R	-5 000 +4 000	-	37°17'53.0"N 126°18'58.0"E	-	RNP APCH	

INSTRUMENT  
APPROACH  
CHART - ICAO

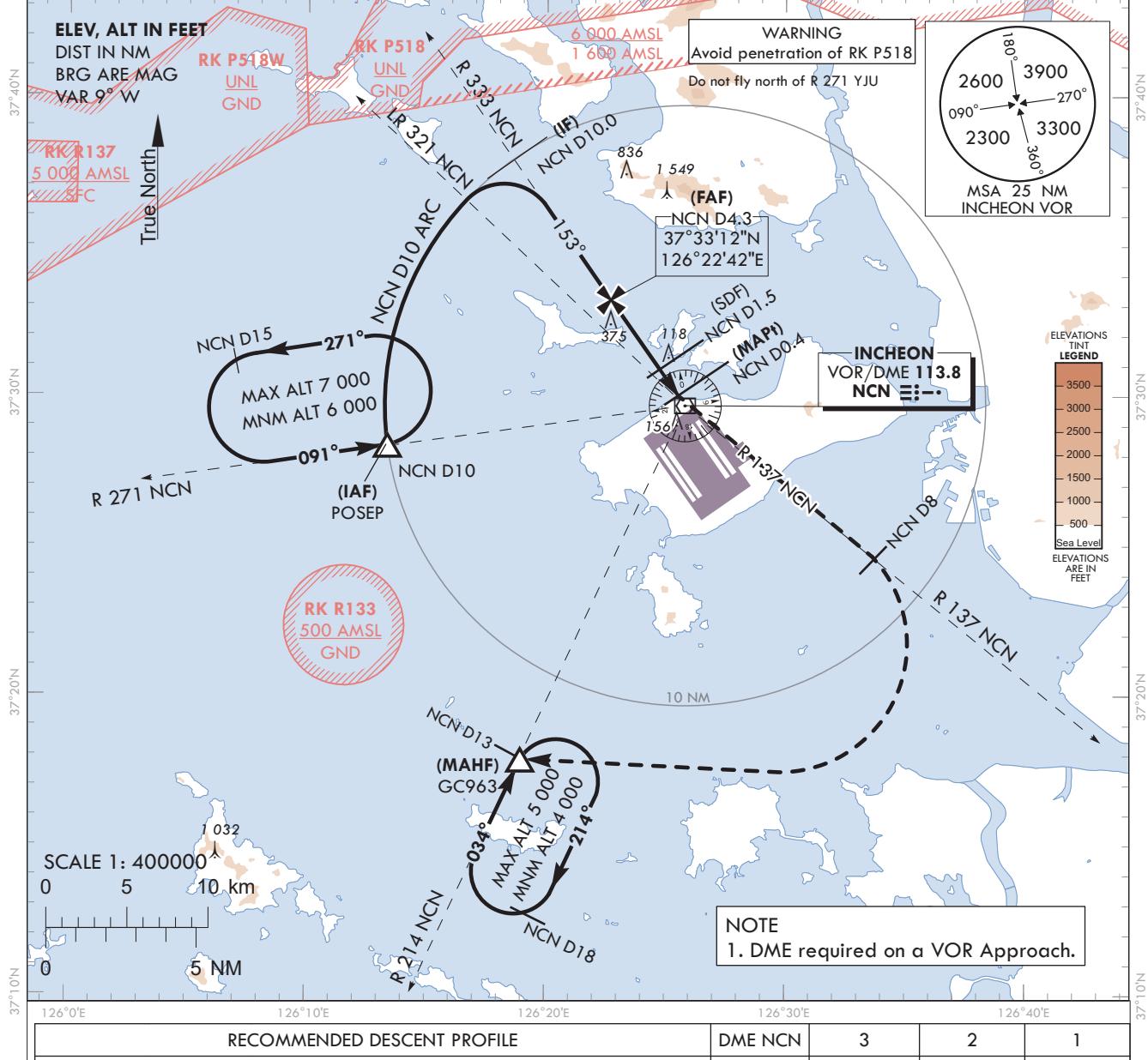
Note : Approach under ICAO Flight Procedures.

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)

VOR RWY 15L



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

Note : Approach under ICAO Flight Procedures.

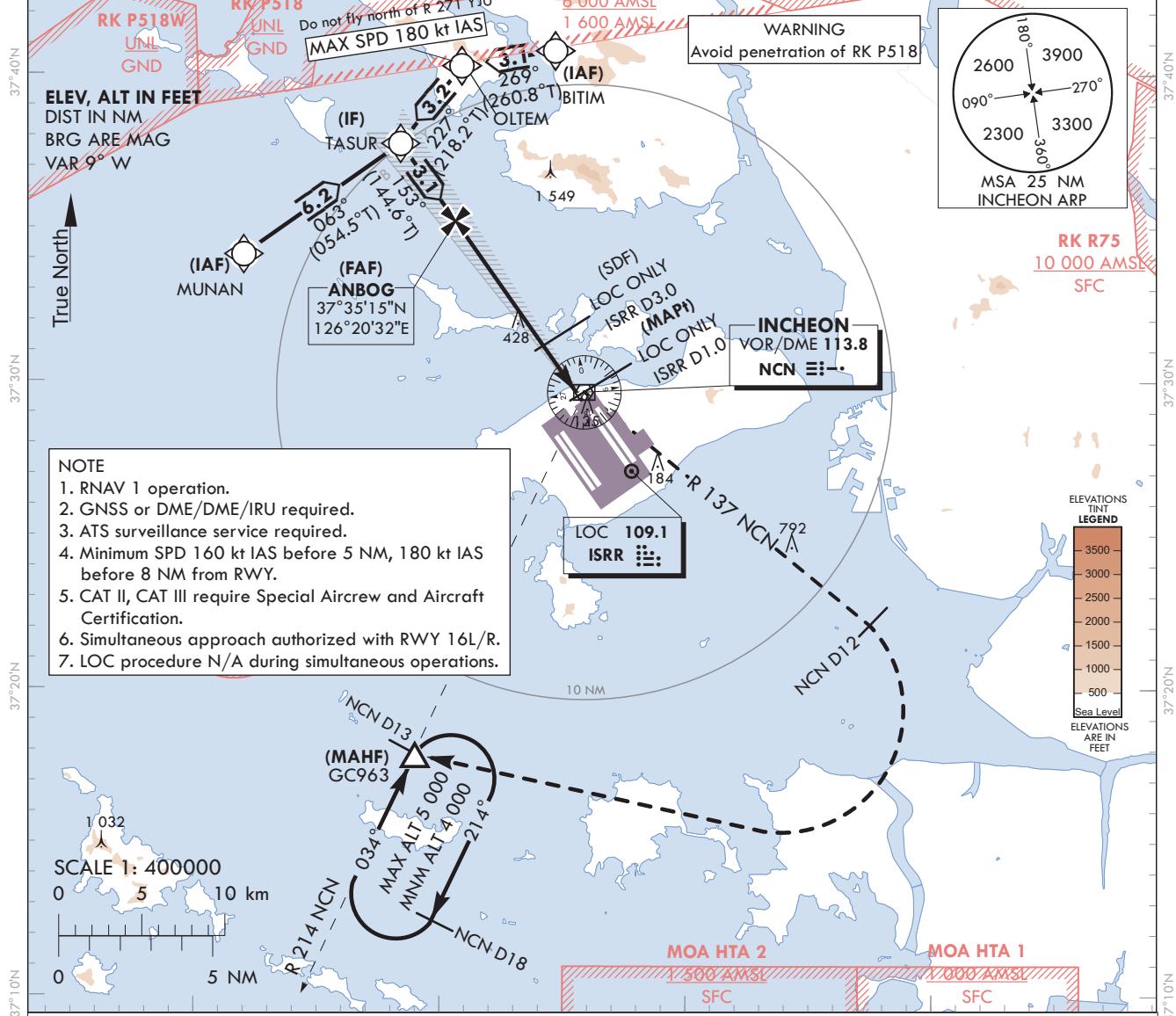
AERODROME ELEV 23 ft  
HEIGHTS RELATED TO  
THR RWY 15R - ELEV 23 ft

SEOUL APP	119.75
121.35	
INCHEON TWR	118.2
	118.8

SEOUL/Incheon Intl(RKSI)

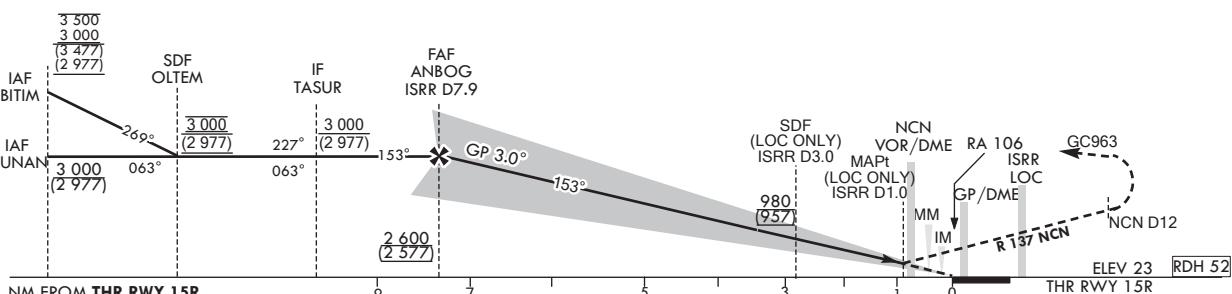
ILS Z or LOC Z RWY 15R

CAT II & III



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) (2 283)(1 957)	2 306	1 980	1 653	1 327	1 001	674



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

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

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.

Change : Amended phrase.

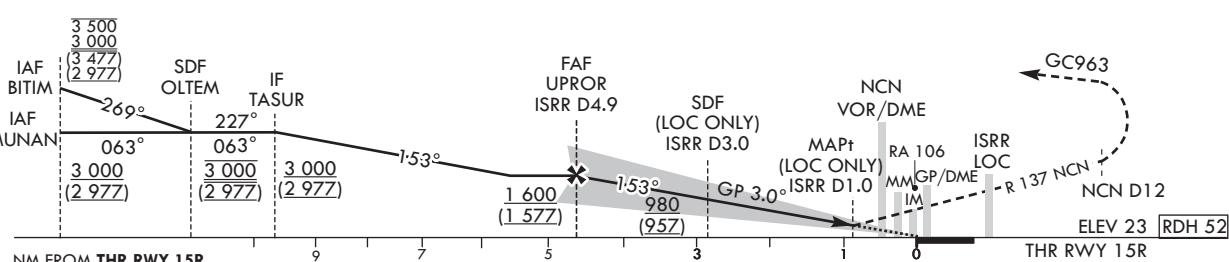
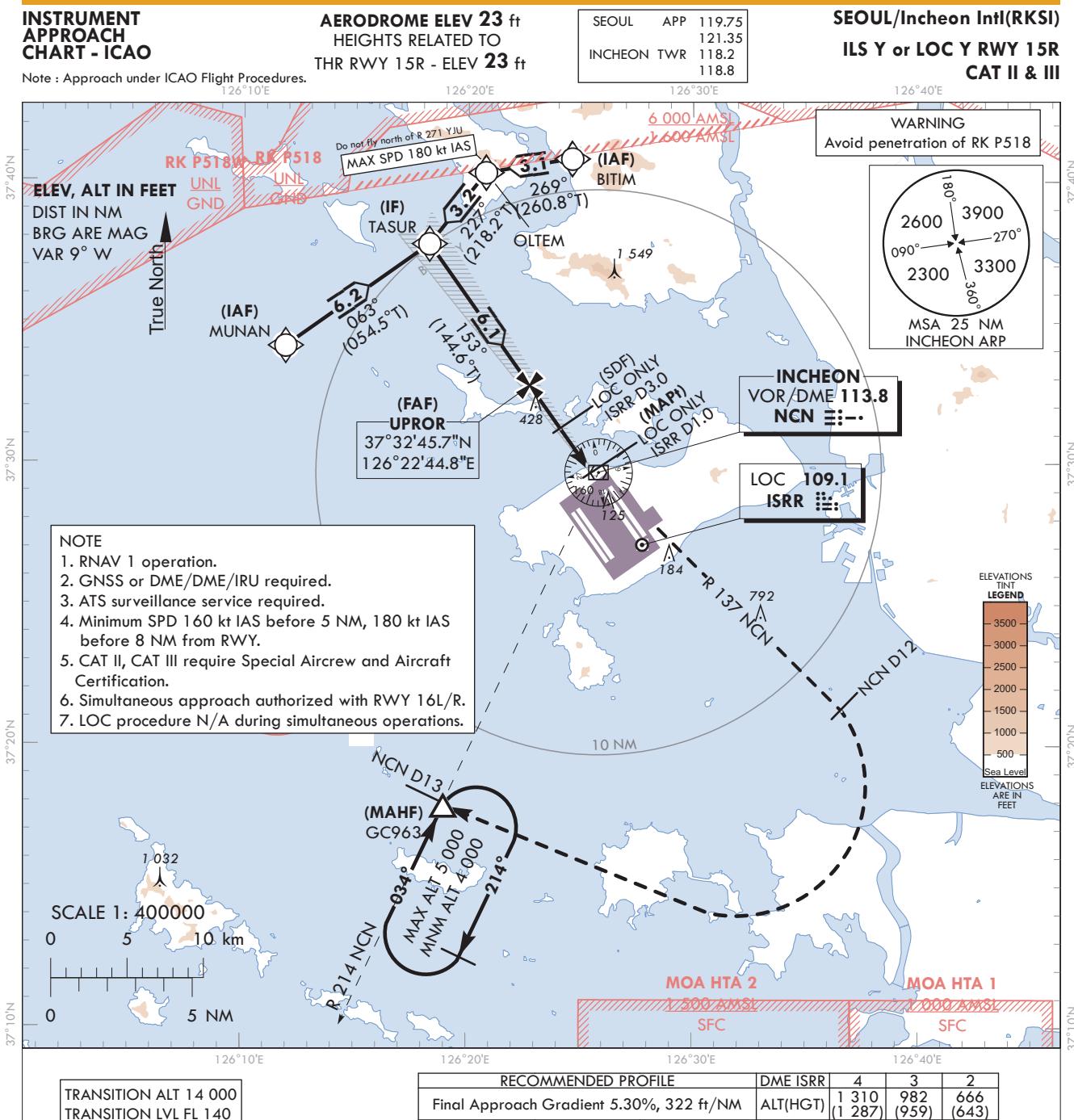
**SEOUL/Incheon Intl(RKSI)**  
**ILS Z or LOC Z RWY 15R**  
**CAT II & III**

**AERONAUTICAL DATA TABULATION**

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



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

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

**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.

Change : Amended phrase.

**SEOUL/Incheon Intl(RKSI)**  
**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(IF)	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(IF)	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

## **INSTRUMENT APPROACH CHART - ICAO**

Note : Approach under ICAO Flight Procedures.

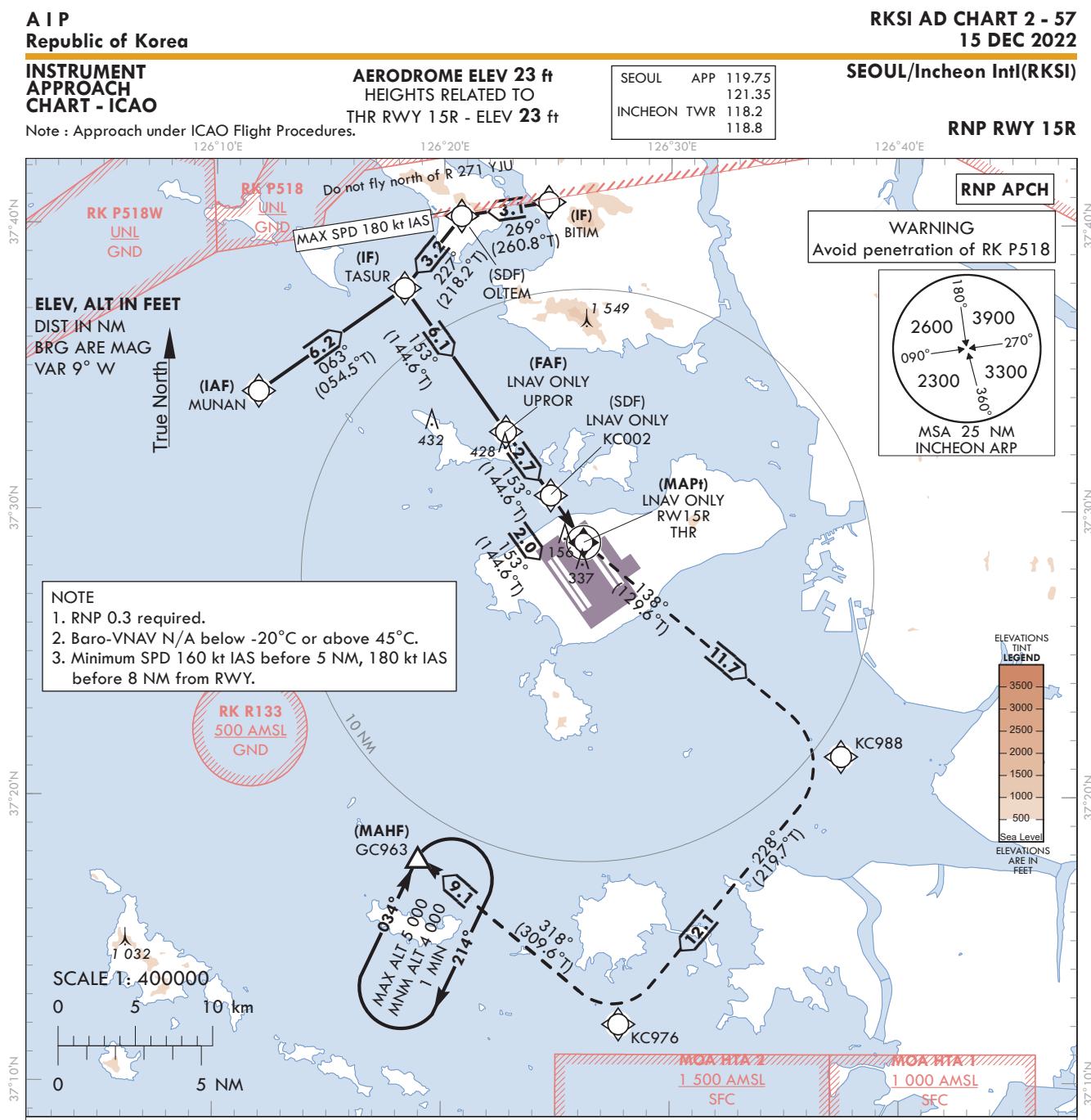
**AERODROME ELEV 23 ft**  
HEIGHTS RELATED TO  
**THR RWY 15R - ELEV 23 ft**

SEOUL	APP	119.75
		121.35
INCHEON	TWR	118.2
		118.8

SEOUL/Incheon Intl(RKSI)

15 DEC 2022

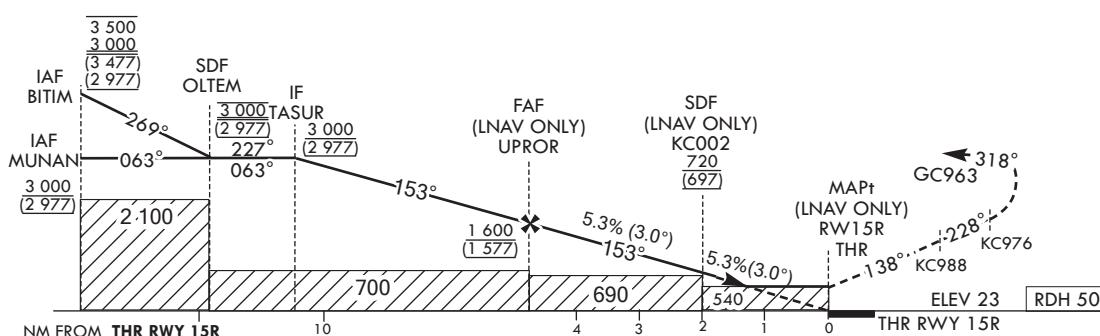
RNP RWY 15R



TRANSITION ALT 14 000  
TRANSITION LVL FL 140

MISSED APPROACH

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



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

Change : Improved clarity such as terrain.

SEOUL/Incheon Intl(RKSI)  
RNP RWY 15R

## AERONAUTICAL DATA TABULATION

## Instrument Approach Procedure Coding Tables

RNP RWY 15R - via MUNJAN(IF) 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°28'54.4"N 126°26'0.82"E	-3.05/50	RNP APCH	MAP†
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(IF) 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°28'54.4"N 126°26'0.82"E	-3.05/50	RNP APCH	MAP†
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)

## **INSTRUMENT APPROACH CHART - ICAO**

Note : Approach under ICAO Flight Procedures.

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

SEOUL APP 119.75  
121.35  
INCHEON TWR 118.2  
118.8

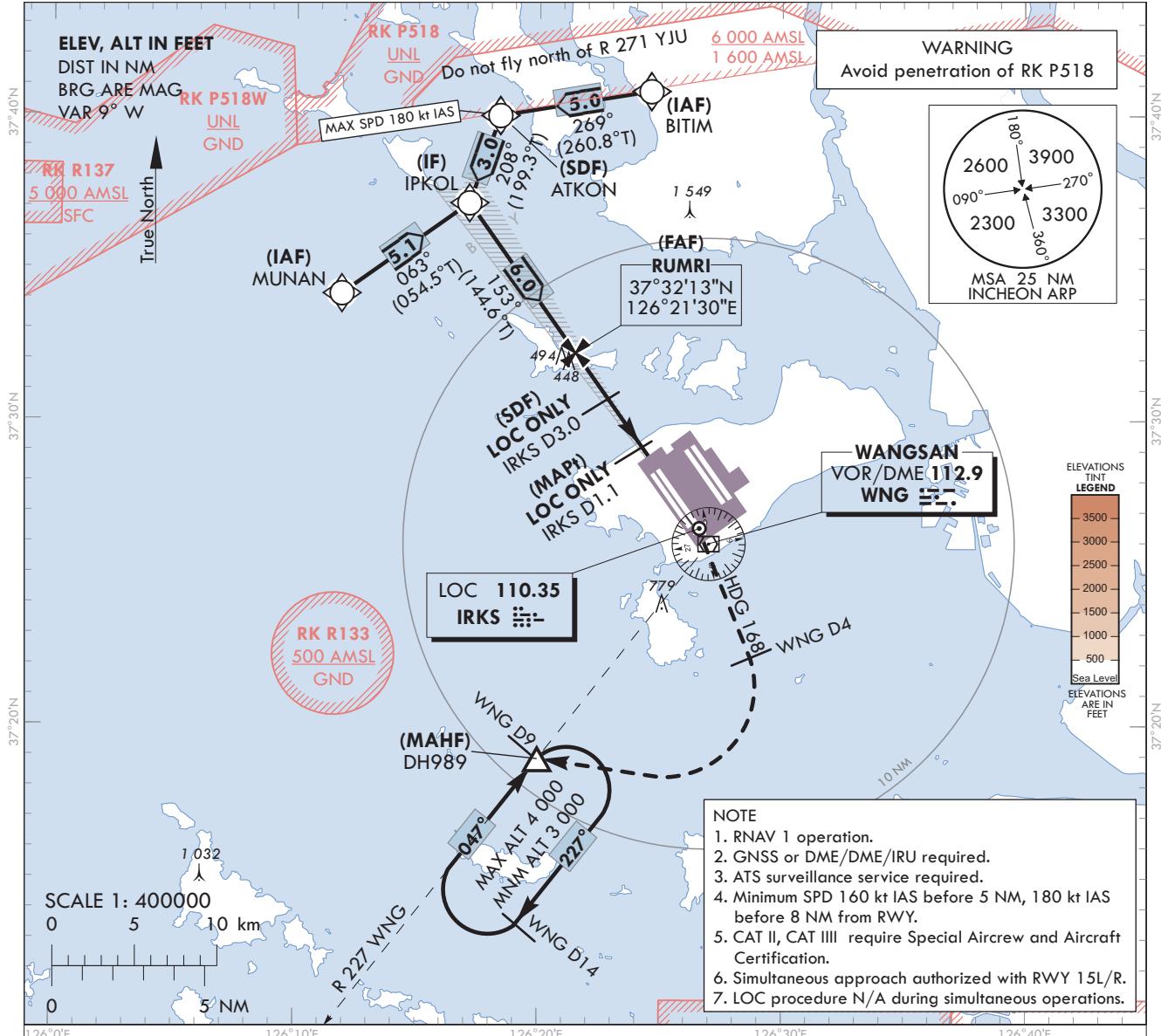
**SEOUL/Incheon Intl(RKSI)**

ILS or LOC RWY 16I

CAT II & III

CAT II & III

**WARNING**  
Avoid penetration of RK P518

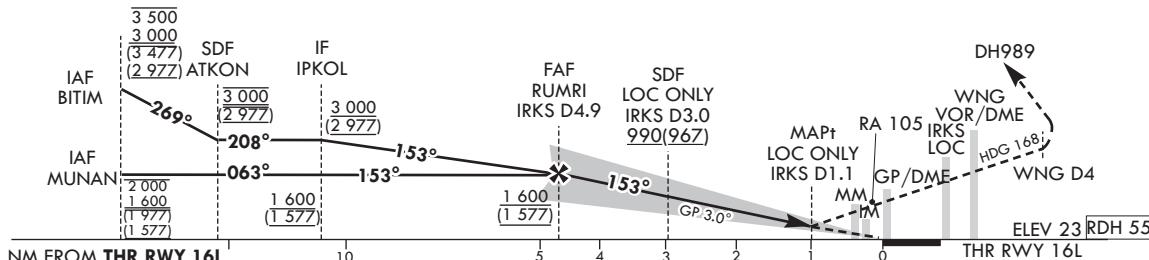


**NOTE**

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 III require Special Aircrew and Aircraft Certification.
6. Simultaneous approach authorized with RWY 15L/R.
7. LOC procedure N/A during simultaneous operations.

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

RECOMMENDED PROFILE	DME ISRR	4	3	2
Final Approach Gradient 5.30%, 322 ft/NM	ALT(HGT) (182Z)	310 (985)	988 (965)	666 (643)



CATEGORY		DA(DH)/MDA(MDH)	A	B	C	D		
Straight-in	CAT-I (CG 2.5%)	FULL ALS INOP	460 (437)	1 300 m				
	CAT-I (CG 4.0%)	FULL ALS INOP	223 (200)	RVR 550 m, VIS 800 m				
	LOC	FULL	380	900 m				
		ALS INOP	(357)	1 600 m				
	CAT II	123(100)		300 m	300 m <sup>1)</sup> / 350 m			
	CAT III	-		75 m <sup>2)</sup> / 125 m				
1) For CAT D aeroplane conducting an autoland. 2) Aeroplane uses fail-operational system.				* Timing Not authorized for defining MAPt. * Circular Note: the circled				

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

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

\* Timing Not authorized for  
\* Circling Not authorized

Change : Amended phrase

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

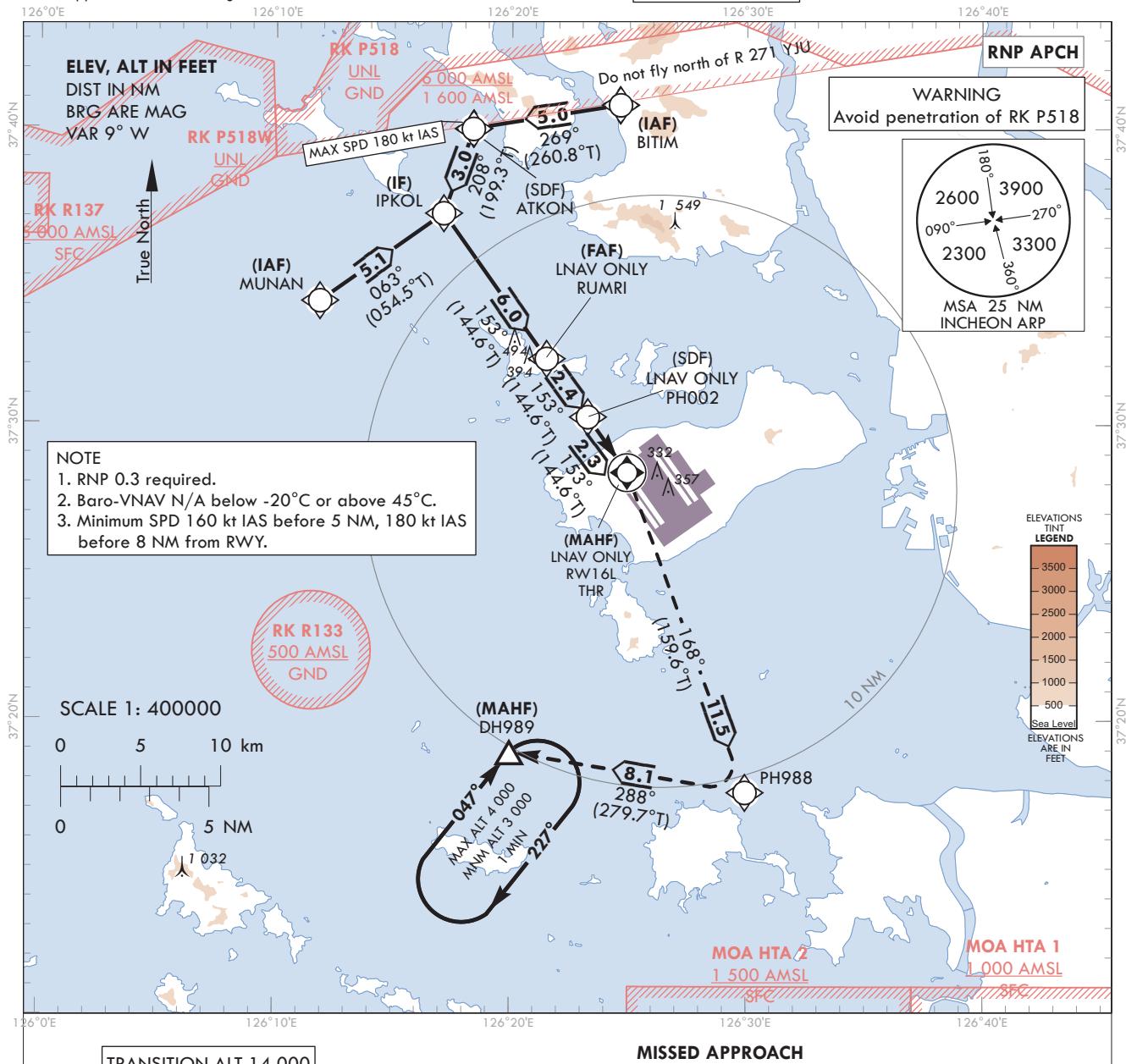
**INSTRUMENT  
APPROACH  
CHART - ICAO**

Note : Approach under ICAO Flight Procedures.

**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**

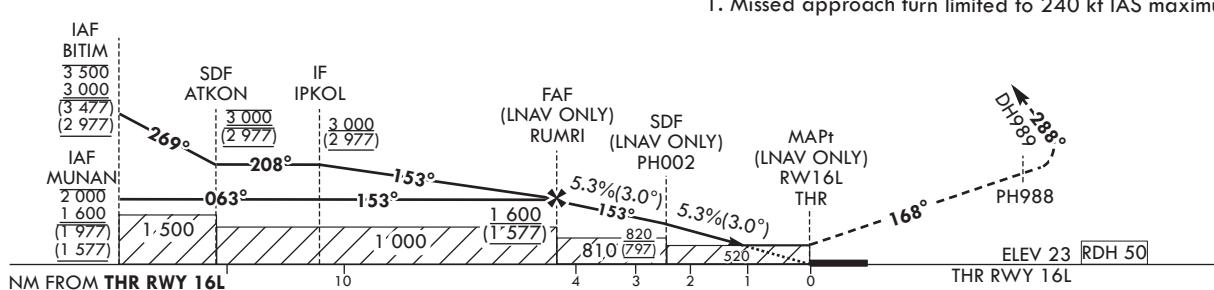


## MISSED APPROACH

**MISSING 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 : Amended phrase(RWY 16L → RW16L).

SEOUL/Incheon Intl(RKSI)  
RNP RWY 16L

## AERONAUTICAL DATA TABULATION

## Instrument Approach Procedure Coding Tables

RNP RWY 16L - via MUNAN(IF) 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	-	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	MAP†
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(IF) 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	-	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	MAP†
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)

## **INSTRUMENT APPROACH CHART-ICAO**

Note : Approach under ICAO Flight Procedures.

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

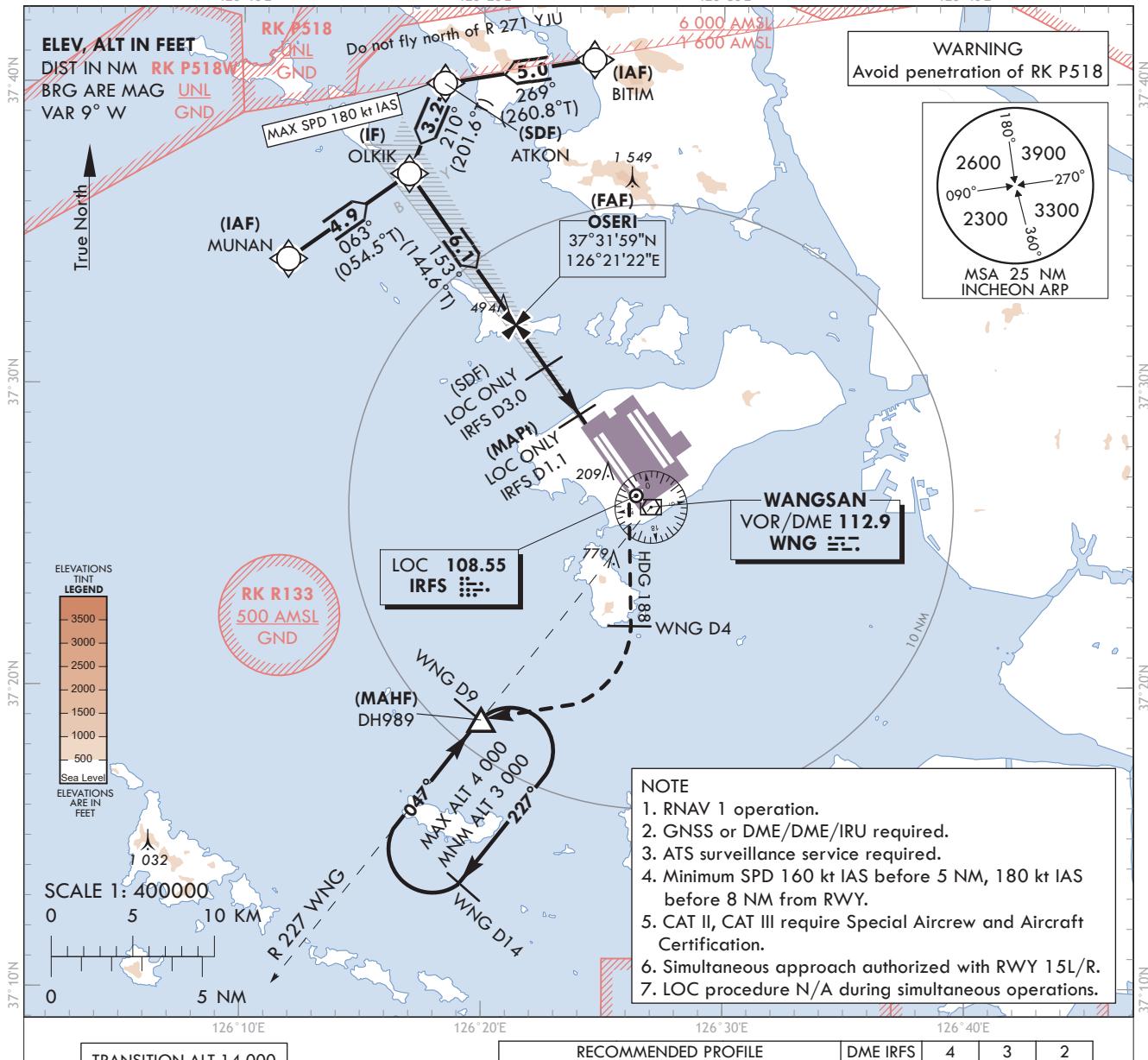
SEOUL APP	119.75
	121.35
INCHEON TWR	118.2
	118.8

SEOUL/Incheon Int'l(RKSI)

**ILS or LOC RWY 16R**

CAT II & III

126°10'E

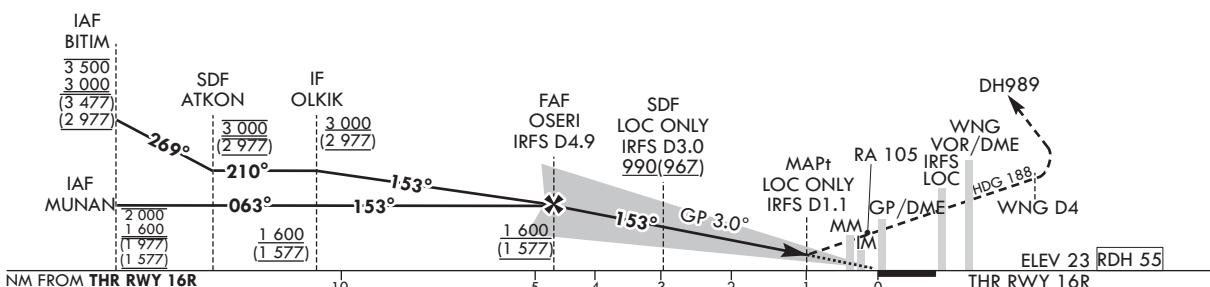


NOTE

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 III require Special Aircrew and Aircraft Certification.
  6. Simultaneous approach authorized with RWY 15L/R.
  7. LOC procedure N/A during simultaneous operations.

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

RECOMMENDED PROFILE	DME IRFS	4	3	2
Final Approach Gradient 5.30%, 322 ft/NM	ALT(HGT)	1310 (1287)	988 (965)	666 (643)



CATEGORY		DA(DH)/MDA(MDH)	A	B	C	D
Straight-in	CAT-I (CG 2.5%)	FULL ALS INOP	460 (437)	1 300 m		
	CAT-I (CG 4.0%)	FULL ALS INOP	223 (200)		RVR 550 m, VIS 800 m	
	LOC	FULL	380	900 m		
		ALS INOP	(357)	1 600 m		
	CAT II	123(100)		300 m	300 m <sup>1)</sup> / 350 m	
	CAT III			75 m <sup>2)</sup> / 125 m		

1) For CAT D aeroplane conducting an autoland.  
 2) Aeroplane uses fail operational system.

\* Timing Not authorized for defining MABt

\* Circling Not authorized

#### Change : Amended phrase

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
D3.0 IRFS(SDF) (LOC ONLY)	BRG 153.16°/3.00 NM IRFS
D1.1 IRFS(MAPt) (LOC ONLY)	BRG 153.16°/1.10 NM IRFS
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

INSTRUMENT  
APPROACH  
CHART - ICAO

Note : Approach under ICAO Flight Procedures.

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

SEOUL APP	119.75
INCHEON TWR	121.35
	118.2
	118.8

SEOUL/Incheon Intl(RKSI)  
RNP RWY 16R

ELEV, ALT IN FEET  
DIST IN NM  
BRG ARE MAG  
VAR 9° W

RK P518

UNL GND

RK P518W

UNL GND

RK R137

5 000 AMSL

SFC

NOTE

1. RNP 0.3 required.
2. Baro-VNAV N/A below -20°C or above 45°C.
3. Minimum SPD 160 kt IAS before 5 NM, 180 kt IAS before 8 NM from RWY.

SCALE 1: 400000

0 5 10 km

0 5 NM

1 032

RK R133

500 AMSL

GND

37°20'N

37°30'N

37°40'N

37°40'N

37°30'N

37°20'N

SEOUL/Incheon Intl(RKSI)  
RNP RWY 16R

## AERONAUTICAL DATA TABULATION

## Instrument Approach Procedure Coding Tables

## RNP RWY 16R - via MUNAN(IF) 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°28'07.71"N 126°24'48.18"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(IF) 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°28'07.71"N 126°24'48.18"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)

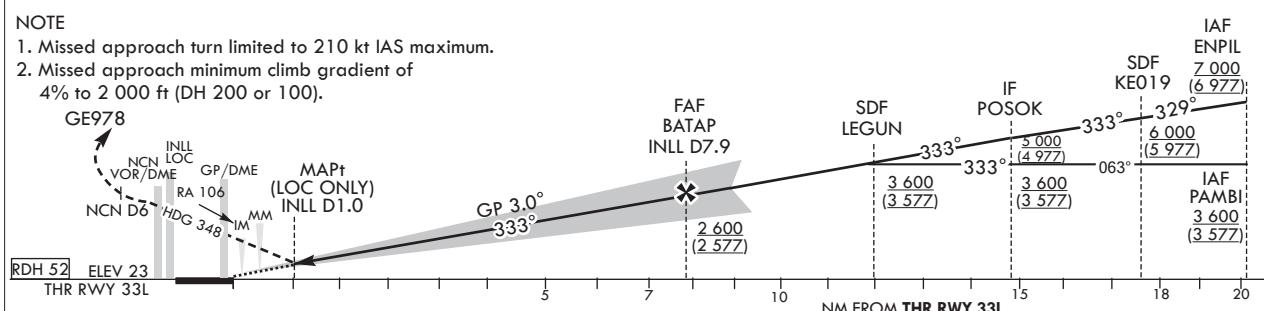
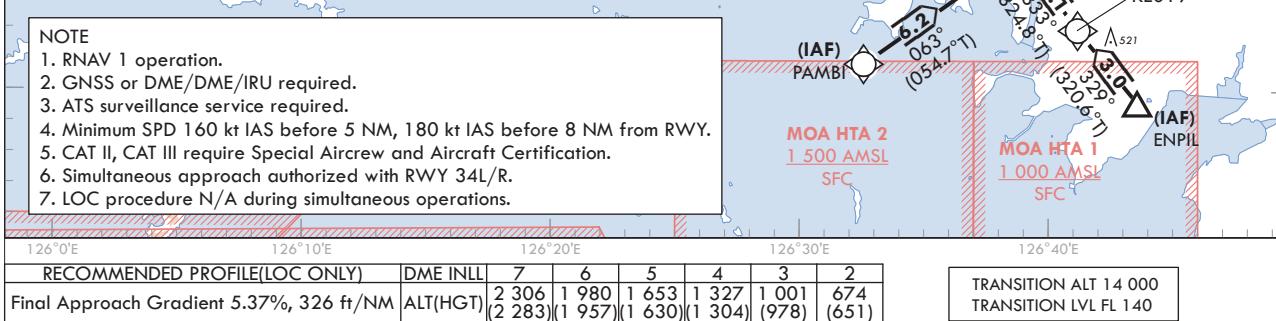
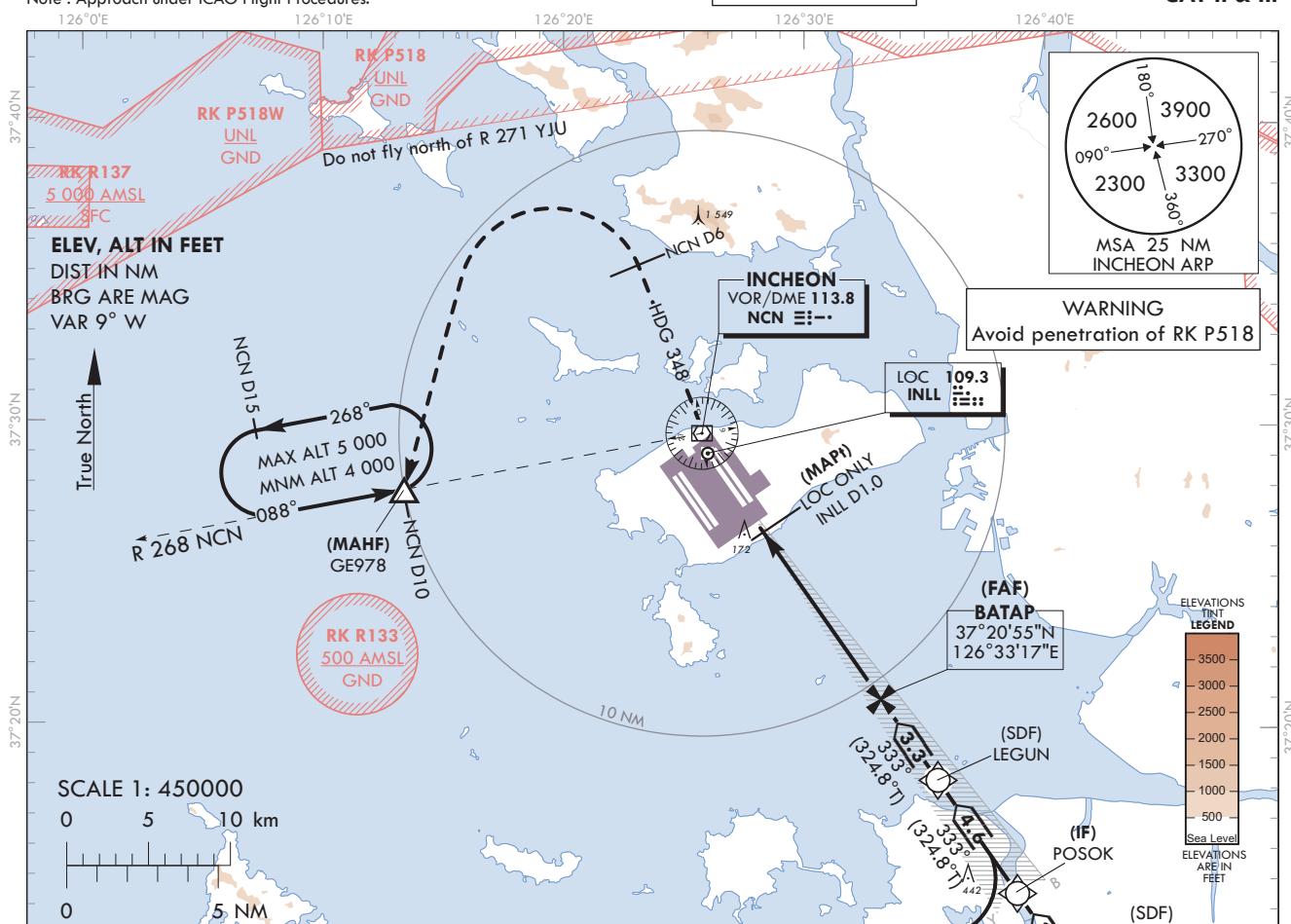
**INSTRUMENT  
APPROACH  
CHART - ICAO**  
Note : Approach under ICAO Flight Procedures.

**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**



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		
	CAT II	123(100)	300 m	300 m <sup>1</sup> / 350 m	
	CAT III	-	75 m <sup>2</sup> / 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 : Amended phrase.

**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

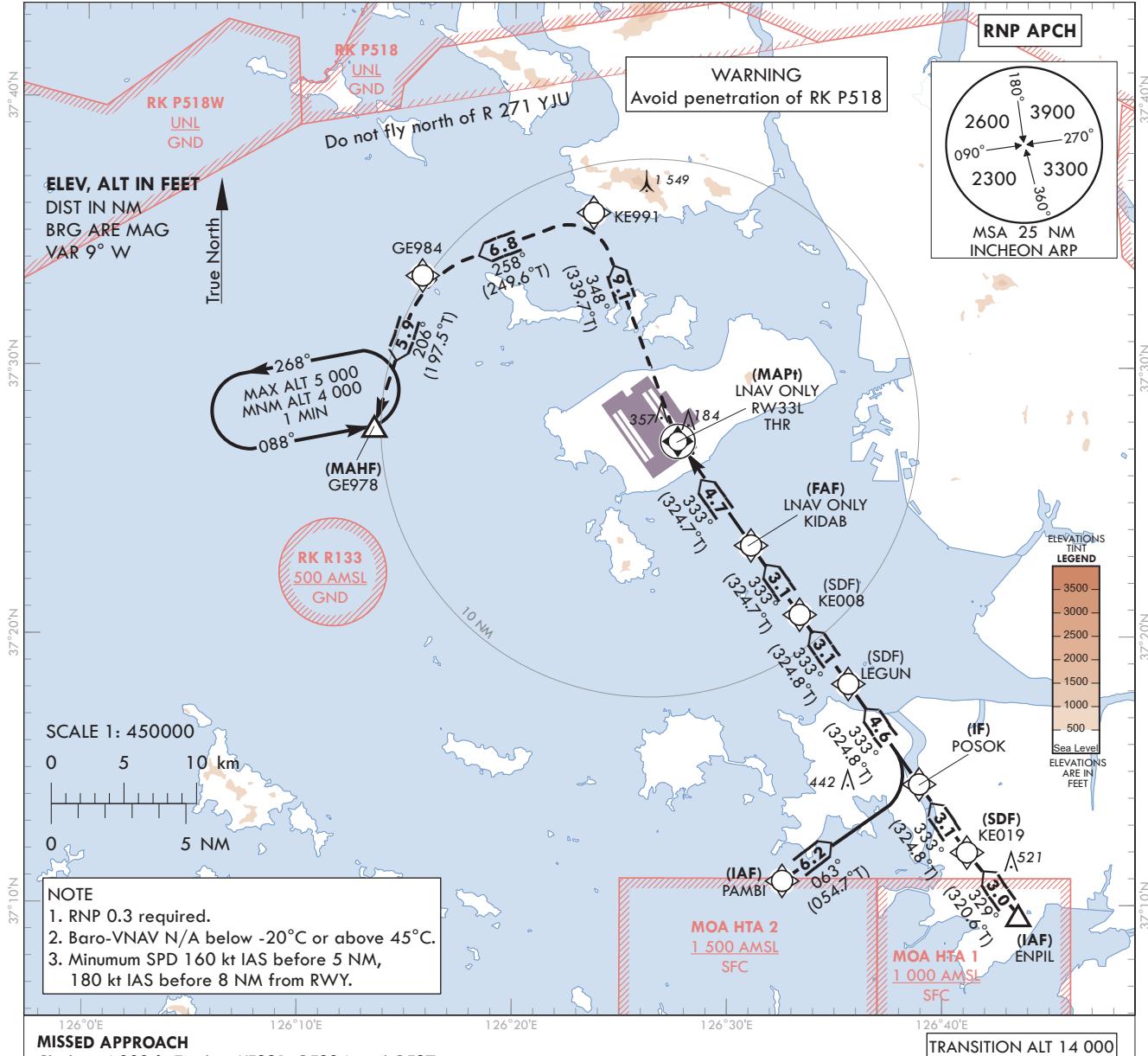
Note : Approach under ICAO Flight Procedures.

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

SEOUL APP	119.75
INCHEON TWR	121.35
	118.2
	118.8

SEOUL/Incheon Intl(RKSI)

RNP RWY 33L

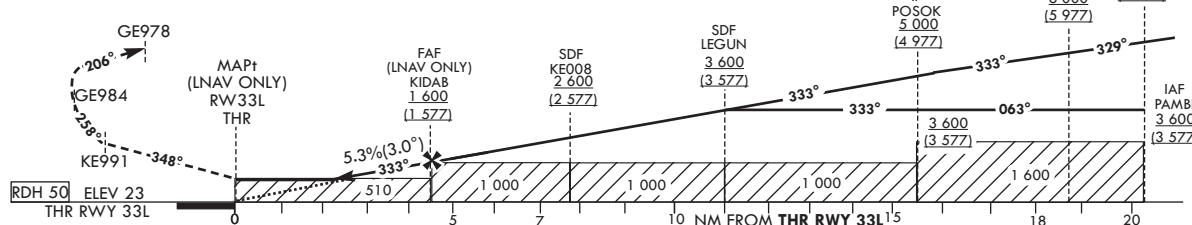


MISSSED APPROACH

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.



CATEGORY		MDA(H)/DA(H)	A	B	C	D	Knots	60	90	120	150	180						
STA	LNAV	FULL	510 (487)	1 500m			Rate of descent	V/V fpm	323	484	645	807	968					
		ALS INOP		2 300m														
	LNAV/VNAV	FULL	430 (407)	1 200m														
		ALS INOP		1 900m														

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

Change : Improved clarity such as terrain.

SEOUL/Incheon Intl(RKSI)  
RNP RWY 33L

## AERONAUTICAL DATA TABULATION

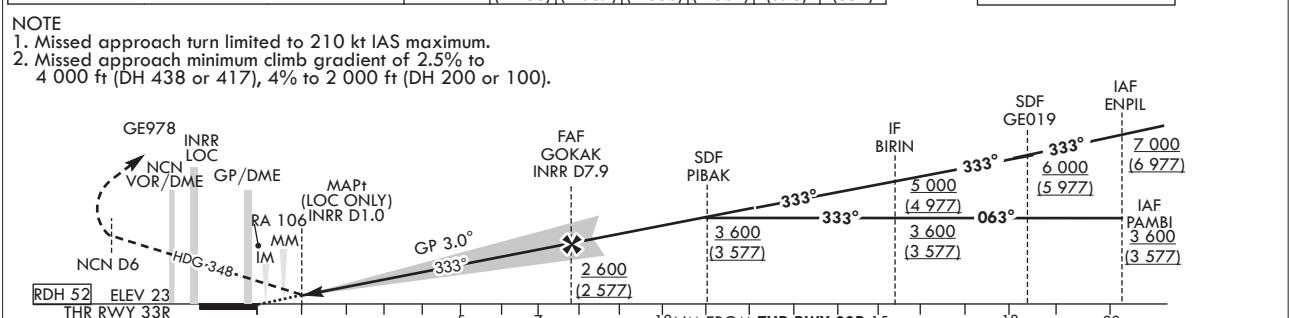
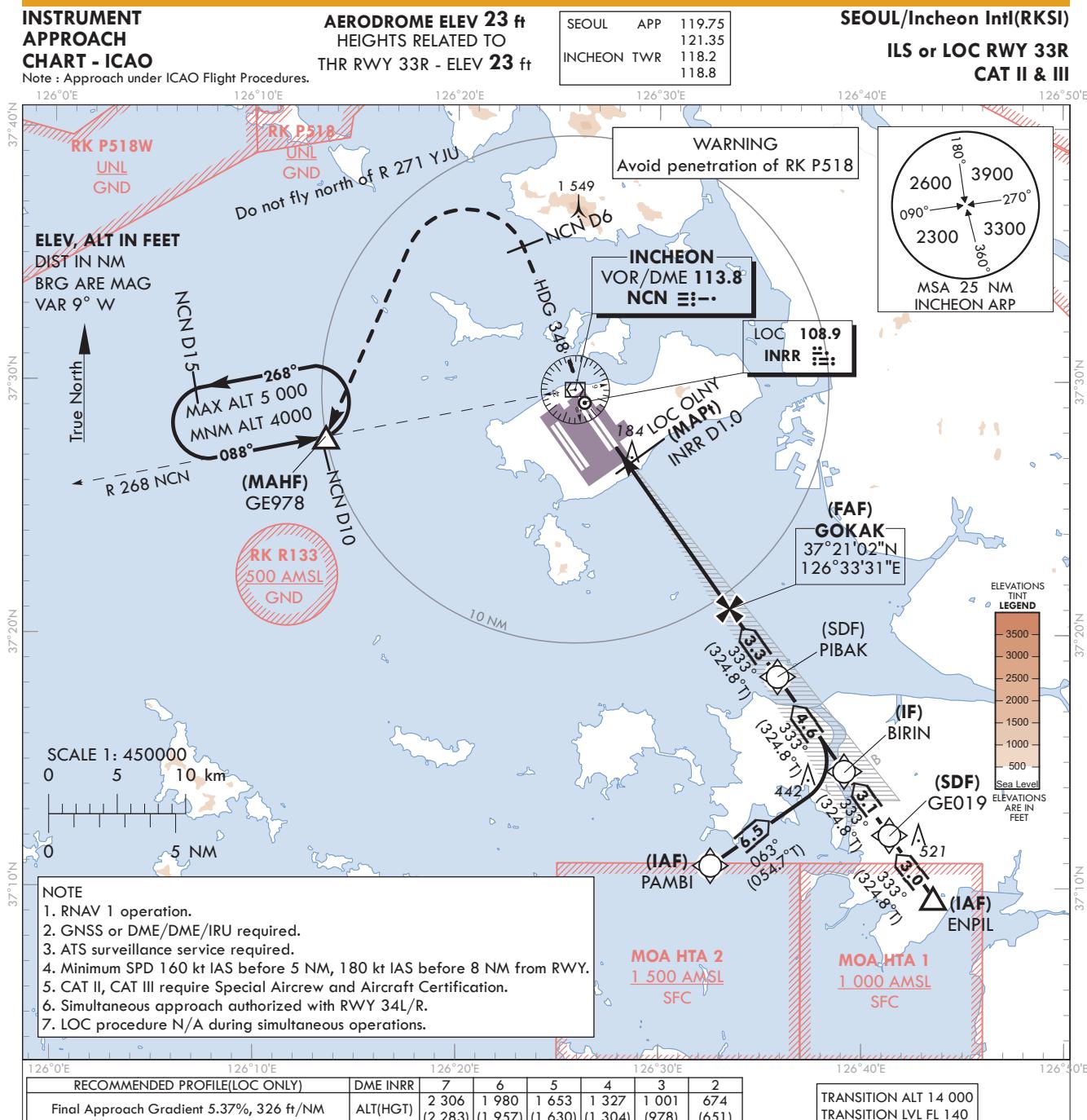
## Instrument Approach Procedure Coding Tables

RNP RWY 33L - via PAMB1(IF) 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	PAMB1	-	-	-	+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	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	1 min (Outbound timing)	

RNP RWY 33L - via ENPIL(IF) 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°41'0.5"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)	



**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.

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

Change : Amended phrase.

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
GEO19(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**

Note : Approach under ICAO Flight Procedures.

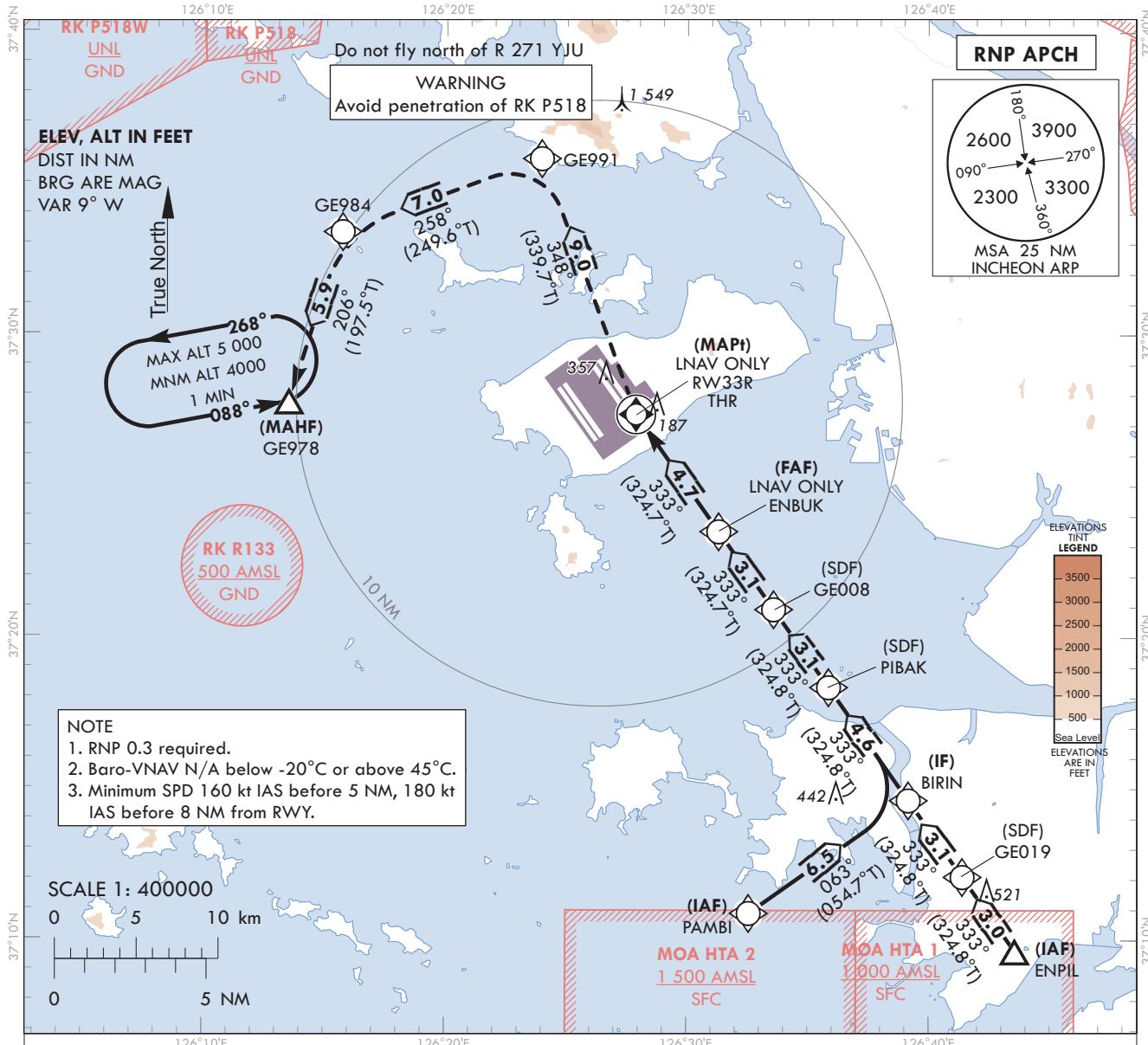
**AERODROME ELEV 23 ft**  
HEIGHTS RELATED TO  
**THR RWY 33R - ELEV 23 ft**

SEOUL	APP	119.75
		121.35
INCHEON	TWR	118.2
		118.8

SEOUL/Incheon Intl(RKSI)

RNP RWY 33R

**RNP RWY 33R**



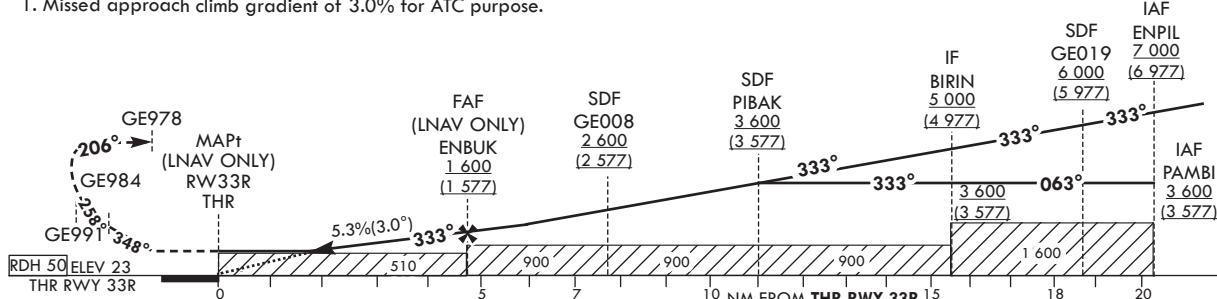
128 |

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.



Change : Improved clarity such as terrain.

SEOUL/Incheon Intl(RKSI)  
RNP RWY 33R

## AERONAUTICAL DATA TABULATION

## Instrument Approach Procedure Coding Tables

RNP RWY 33R - via PAMBI(IF) 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	-	37°27'47.0"N 126°13'29.0"E	-	RNP APCH	1 min (Outbound timing)	

RNP RWY 33R - via ENPIL(IF) 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

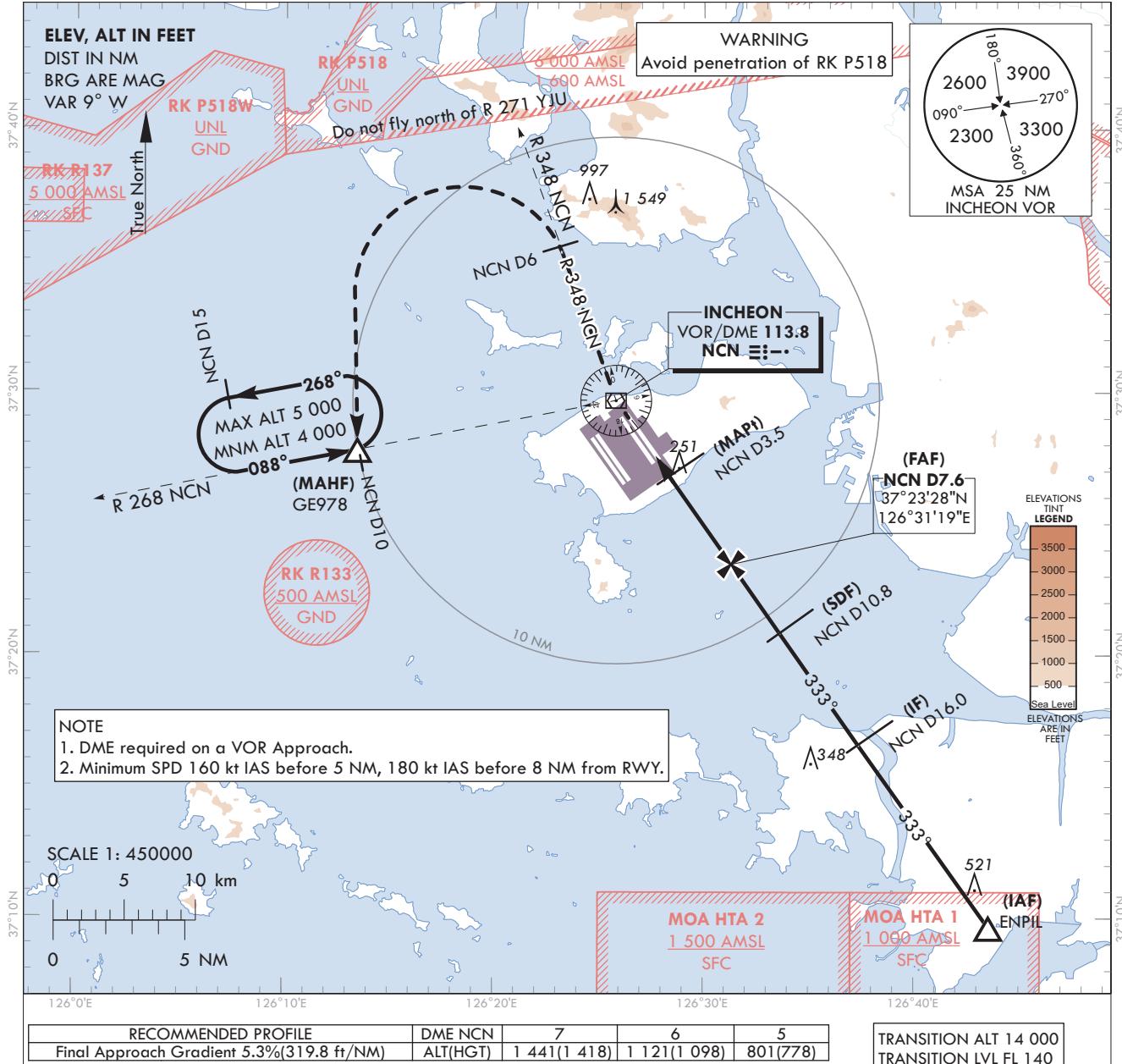
Note : Approach under ICAO Flight Procedures.

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

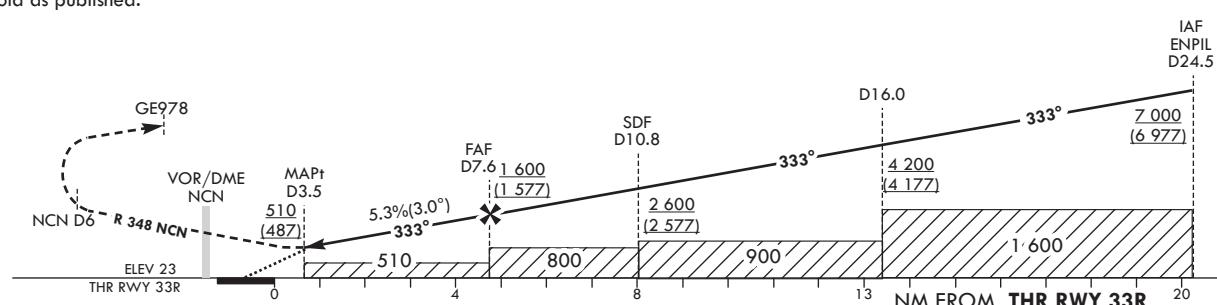
SEOUL/Incheon Intl(RKSI)

VOR RWY 33R



**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.



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

Change : Improved clarity such as terrain.

SEOUL/Incheon Intl(RKSI)  
VOR RWY 33R

## AERONAUTICAL DATA TABULATION

VOR Approach to RWY 33R from ENPIL			
Fix / Point		Coordinates	
ENPIL(IF)		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

**INSTRUMENT  
APPROACH  
CHART - ICAO**

Note : Approach under ICAO Flight Procedures.

**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**

37°30'N  
37°20'N  
37°10'N

**ELEV, ALT IN FEET**  
DIST IN NM  
BRG ARE MAG  
VAR 9° W

598A

**RK R133**  
500 AMSL  
GND

(MAHF)  
PY980

SCALE 1 : 400000

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 III require Special Aircrew and Aircraft Certification.  
6. Simultaneous approach authorized with RWY 33L/R.  
7. LOC procedure N/A during simultaneous operations.

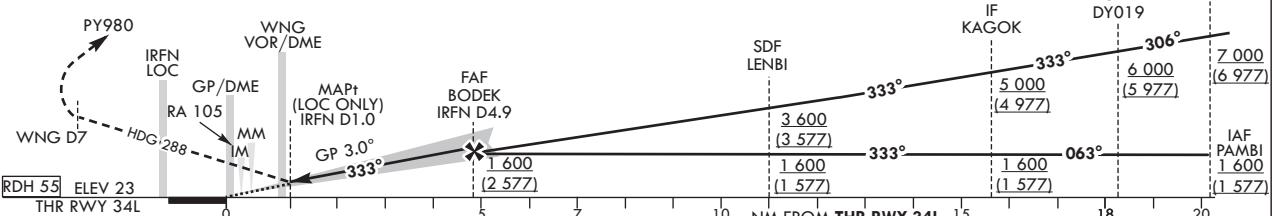
RECOMMENDED PROFILE(LOC ONLY)

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

TRANSITION ALT 14 000  
TRANSITION LVL 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 337 or 387), 4% 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 360 (337)		800 m			Climb to 500 ft on RWY HDG then turn left on HDG 288° to WNG 7 DME, continue climb to 3 000 ft turn left direct to PY980. Hold as published. Do not turn before passing MAPt.
	CAT-I (CG 4.0%)	FULL ALS INOP 223 (200)		1 500 m			
	LOC	FULL ALS INOP 410 (387)		RVR 550 m, VIS 800 m			1) For CAT D aeroplane conducting on autoland. 2) Aeroplane use Fail-operational system.
	CAT II	123(100)		1 200 m			* Timing Not authorized for defining the MAPt. * Circling Not authorized.
CAT III	-			1 100 m			
				1 800 m			
				300 m		300 m <sup>1)</sup> / 350 m	
				75 m <sup>2)</sup> / 125 m			

Change : Amended phrase.

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

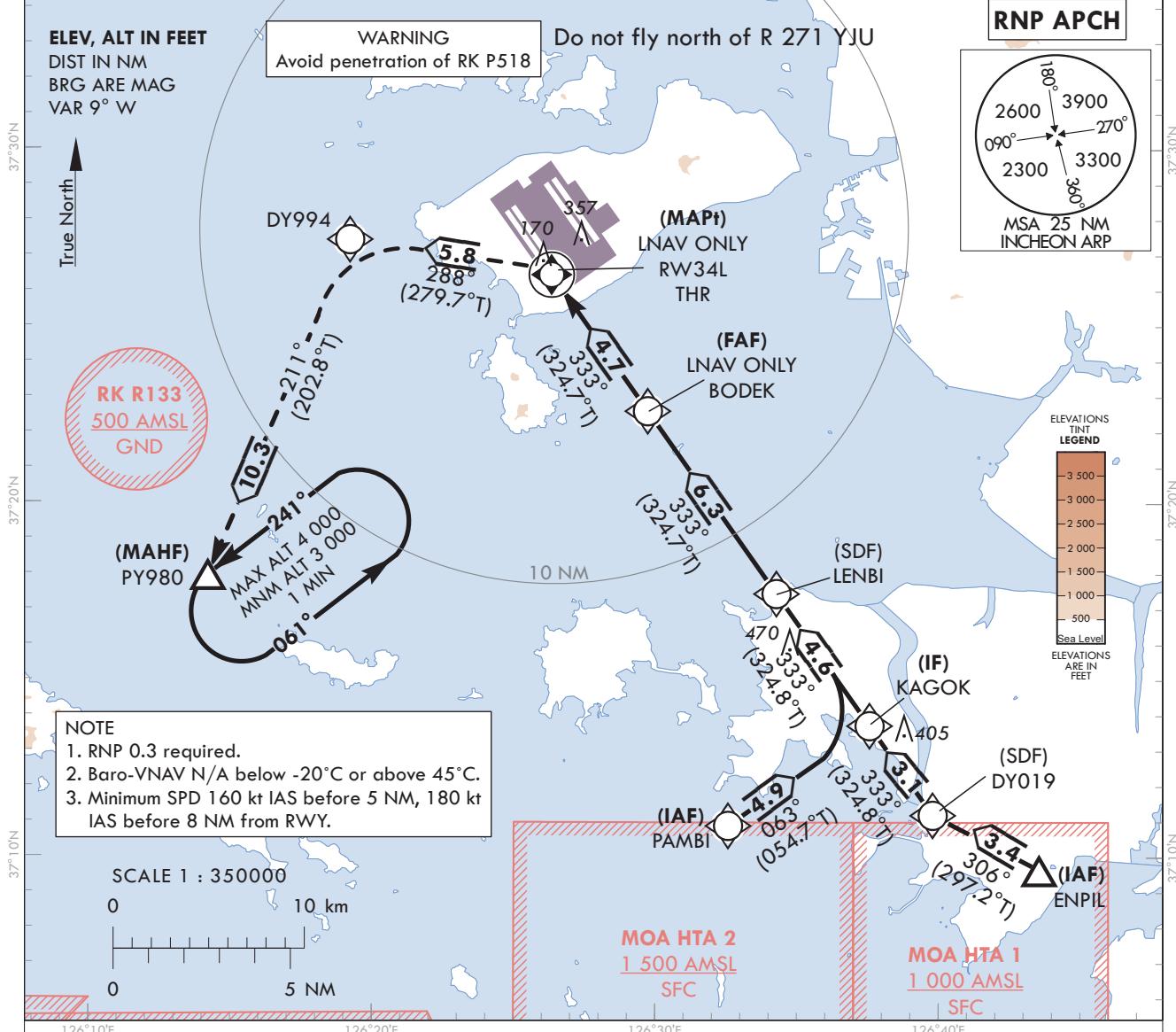
INSTRUMENT  
APPROACH  
CHART - ICAO

Note : Approach under ICAO Flight Procedures.

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



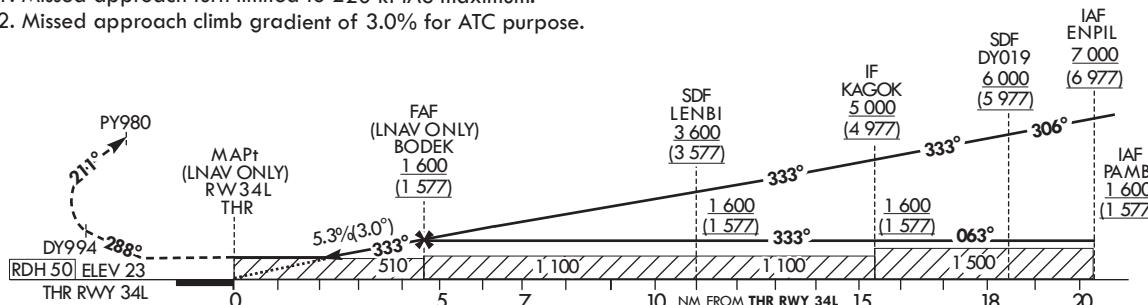
**MISSSED APPROACH**

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

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

**NOTE**

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



CATEGORY		MDA(H)/DA(H)	A	B	C	D	Rate of descent V/V fpm	60	90	120	150	180
STA	LNAV	FULL	510 (487)	1 500 m				324	486	647	809	971
	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 : Amended phrase(RWY 34 → RWY 34L) and Establishment of ALT limitation for LENBI.

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	MAP†
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 ENPL(IF) 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	ENPL	-	-	-	-	+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	MAP†
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**

Note : Approach under ICAO Flight Procedures.

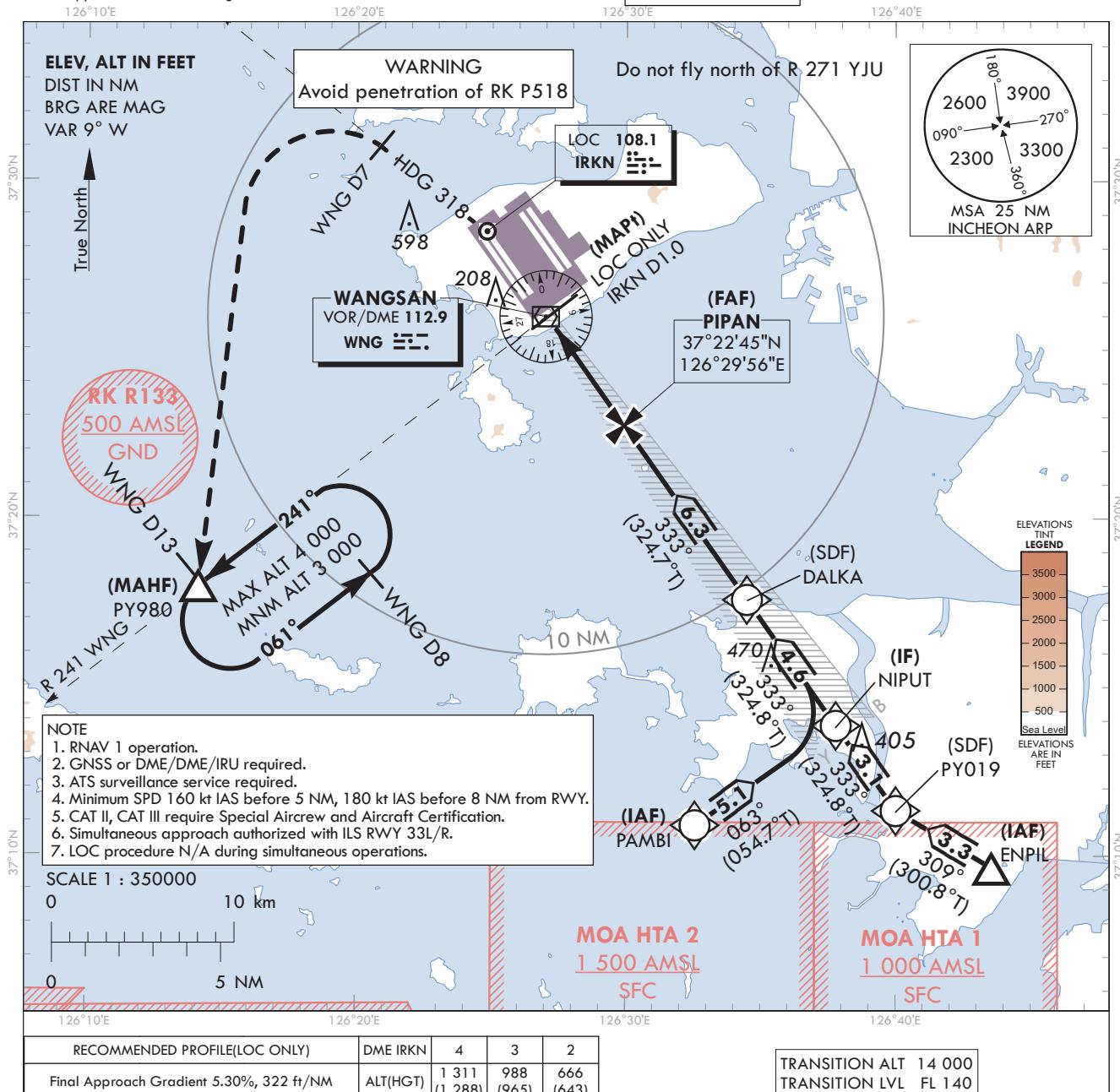
**AERODROME ELEV 23 ft**  
HEIGHTS RELATED TO  
**THR RWY 34R - ELEV 23 ft**

SEOUL APP	119.75
	121.35
INCHEON TWR	118.2
	118.8

SEOUL/Incheon Intl(RKSI)

**ILS or LOC RWY 34R**

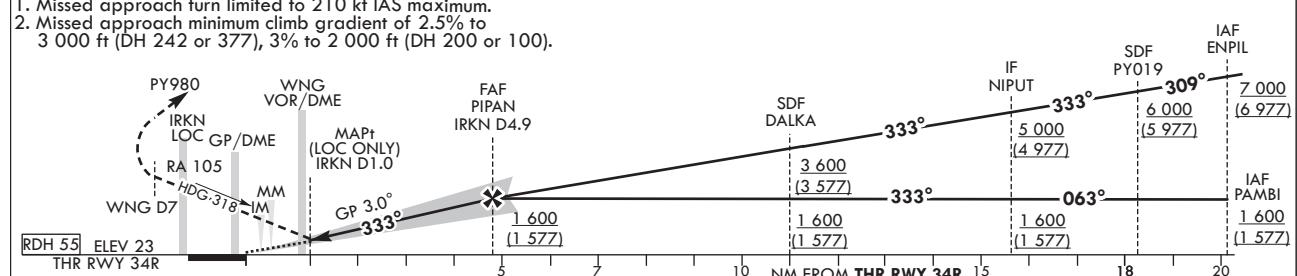
CAT II & III



NOTE

- 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			
Straight-in	CAT-I (CG 2.5%)	FULL ALS INOP	265 (242)	RVR 550 m, VIS 800 m					
	CAT-I (CG 3.0%)	FULL ALS INOP	223 (200)	RVR 550 m, VIS 800 m					
	LOC	FULL	400	1 000 m					
		ALS INOP	(377)	1 700 m					
	CAT II	123(100)		300 m	300 m <sup>1)</sup> / 350 m				
	CAT III	-		75 m <sup>2)</sup> / 125 m					
		<b>MISSSED APPROACH</b> 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							

#### Change : Amended phrase

**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(IF)	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(IF)	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

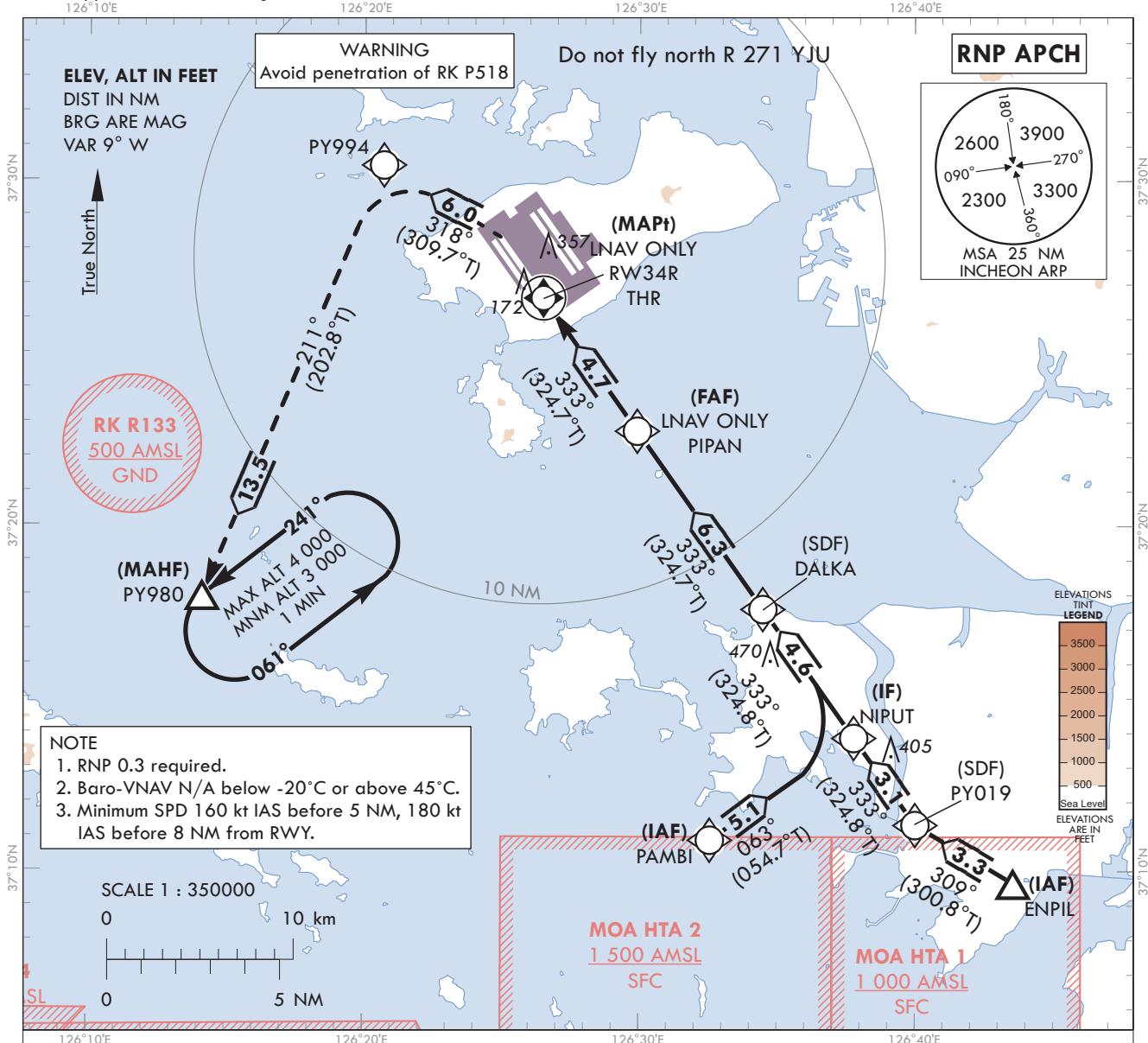
## **INSTRUMENT APPROACH CHART - ICAO**

**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.



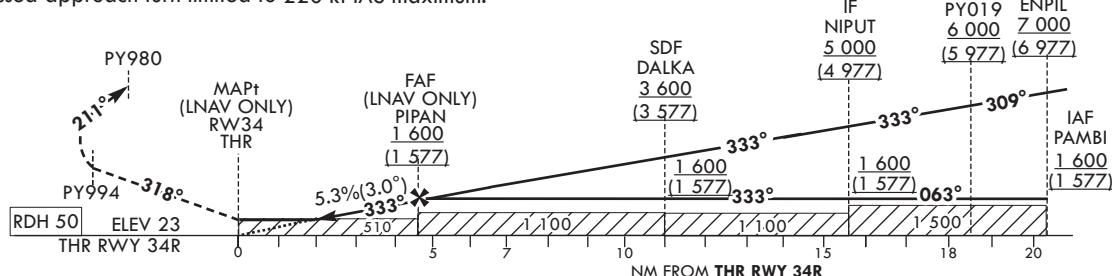
### **MISSED APPROACH**

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

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

## NOTE

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



Change : Establishment of ALT limitation for DALKA.

SEOUL/Incheon Intl(RKSI)  
RNP RWY 34R

## AERONAUTICAL DATA TABULATION

## Instrument Approach Procedure Coding Tables

RNP RWY 34R - via PAMB(I)IF 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	PAMB1	-	-	-	-	+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(IF) 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)