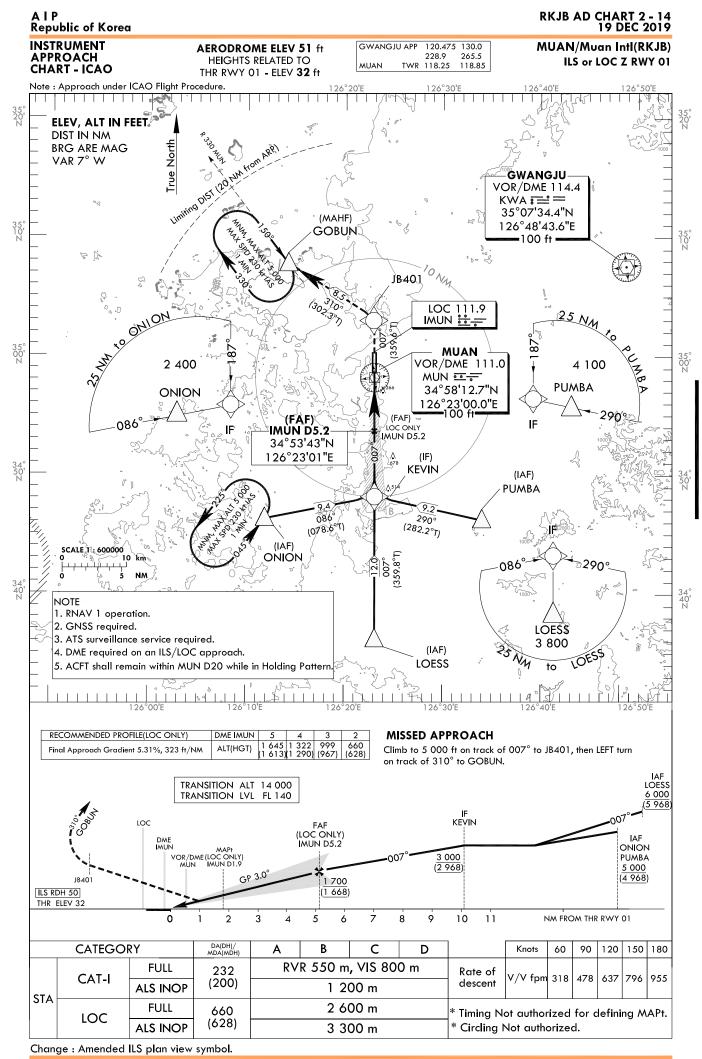


MUAN/Muan Intl(RKJB) ILS or LOC Y RWY 01

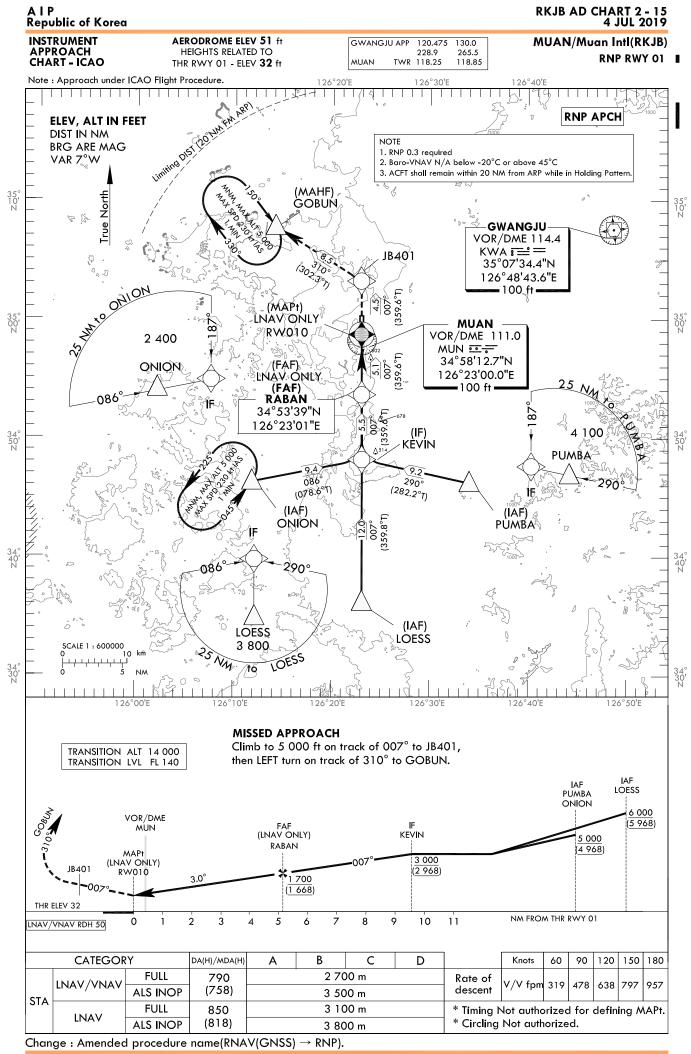
ILS/LOC Approach to RWY 01 from ONION, LOESS or PUMBA				
Fix/	point	Coordinates		
ONION(IAF)	r 225 mun /15.00 nm mun	34°46'19.7"N 126°11'50.8"E		
LOESS(IAF)	R 187 MUN /22.00 NM MUN	34°36'10.5"N 126°23'06.3"E		
PUMBA(IAF)	R 150 MUN /15.00 NM MUN	34°46'14.4"N 126°34'00.9"E		
D13.7 IMUN(SDF)	brg 7.10°/13.67 nm imun	34°45'11.5"N 126°23'04.1"E		
D10.7 IMUN(IF)	BRG 7.10°/10.69 NM IMUN	34°48'10.9"N 126°23'03.3"E		
D5.2 IMUN(FAP)	BRG 7.10°/5.17 NM IMUN	34°53'42.6"N 126°23'00.5"E		
D1.9 IMUN(MAPt LOC ONLY)	BRG 7.10°/1.90 NM IMUN	34°56'59.1"N 126°22'59.2"E		
MUN VOR/DME		34°58'12.7"N 126°23'00.0"E		
THR RWY01		34°58'43.64"N 126°22'58.45"E		
IMUN DME		34°58'53.2"N 126°22'53.8"E		
IMUN LOC		35°00'23.1"N 126°22'57.8"E		
D4 MUN	BRG 7.10°/4.00 NM MUN	35°02'12.9"N 126°22'57.0"E		
GOBUN	BRG 298.15°/12.00 NM MUN	35°07'46.6"N 126°14'09.0"E		



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MUAN/Muan Intl(RKJB) ILS or LOC Z RWY 01

ILS/LOC Approach to RWY 01 from ONION, LOESS or PUMBA				
Fix/point		Coordinates		
ONION(IAF)		34°46'19.7"N 126°11'50.8"E		
LOESS(IAF)		34°36'10.5"N 126°23'06.3"E		
PUMBA(IAF)		34°46'14.4"N 126°34'00.9"E		
KEVIN(IF)	brg 7.10°/10.69 nm Imun	34°48'10.9"N 126°23'03.3"E		
D5.2 IMUN(FAP)	brg 7.10°/5.17 nm imun	34°53'42.6"N 126°23'00.5"E		
D1.9 IMUN(MAPt LOC ONLY)	brg 7.10°/1.90 nm imun	34°56'59.1"N 126°22'59.2"E		
MUN VOR/DME		34°58'12.7"N 126°23'00.0"E		
THR RWY01		34°58'43.64"N 126°22'58.45"E		
IMUN DME		34°58'53.2"N 126°22'53.8"E		
IMUN LOC		35°00'23.1"N 126°22'57.8"E		
JB401		35°03'13.1"N 126°22'56.4"E		
GOBUN		35°07'46.6"N 126°14'09.0"E		



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	VPA/ Navigation RDH specification	RNP APCH	RNP APCH
	VPA/ RDH	-	I
	Coordinates	34°46'19.7"N 126°11'50.8"E	34°48'10.9"N 126°23'03.3"E
	(kt) Speed	-	-
	Altitude (ft)	+5 000	+3 000
	Turn direction	-	I
	Distance (NM)		9.4
	Serial Path Waypoint Fly-Course/Track Distance Turn Altitude Speed Number Descriptor Identifier over °M(°T) (NM) direction (ff) (kt)	-	KEVIN - 086(078.6) 9.4
VIN(IF	Fly- over		•
4ION to KE	Waypoint Identifier	F ONION -	KEVIN
01 - via Oh	Path Descriptor	зI	ΤF
RNP RWY 01 - via ONION to KEVIN(IF)	Serial Number	100	002

Instrument Approach Procedure Coding Tables

	086
•	•
NOINO	KEVIN
щ	TF

KEVIN(IF)	(
LOESS to KEV	
via LOES	
, 01 - v	
RWY	

Remarks	IAF	۲
VPA/ Navigation RDH specification	RNP APCH	RNP APCH
VPA/ RDH	·	ı
Coordinates	34°36'10.5"N 126°23'06.3"E	34°48'10.9"N 126°23'03.3"E
Speed (kt)	•	
Turn Altitude Speed rection (ft)	+6 000	+3 000
Turn direction	I	ı
Distance (NM)		12.0
Course/Track Distance Turn °M(°T) (NM) direction	ı	007(359.8)
j - j	•	
Serial Peath Waypoint F Number Descriptor Identifier o	LOESS	KEVIN
Serial Path Waypoint Fly- Vumber Descriptor Identifier over	۳	TF
Serial	001	002

via PUMBA to KEVIN(IF) RNP RWY 01

Remarks	IAF	<u>u</u>
VPA/ Navigation RDH specification	RNP APCH	RNP APCH
VPA/ RDH	I	
Coordinates	34°46'14.4"N 126°34'00.9"E	34°48'10.9"N 126°23'03.3"E
Speed (kt)	•	
Turn Altitude ection (ft)	+5 000	+3 000
di	·	-
Distance (NM)		9.2
Course/Track Distance °M(°T) (NM)	ı	290(282.2)
Fly- over	ı	ı
Waypoint Fly- Identifier over	PUMBA	KEVIN
Path Descriptor	F	TF
Serial Number	100	002

	Remarks	Щ	FAF	MAPt	•	•	1 min (Outbound timing)
	VPA/ Navigation RDH specification	RNP APCH	RNP APCH	RNP APCH	RNP APCH	RNP APCH	RNP APCH
	VPA/ RDH	I	ı	-3.00/50	I	-	
	Coordinates	34°48'10.9"N 126°23'03.3"E	34°53'38.8"N 126°23'00.8"E	34°58'43.64"N 126°22'58.45"E -3.00/50 RNP APCH	35°03'13.1"N 126°22'56.4"E	35°07'46.6"N 126°14'09.0"E	35°07'46.6"N 126°14'09.0"E
	Speed (kt)	I		1	ı		-230
	Altitude Speed (ft) (kt)	+3 000	+1 700	+850	I	I	@5 000
	Turn direction	I		I	ı	ı	ъ
	Distance (NM)	ı	5.5	5.1	4.5	8.5	•
N(MAHF)	Serial Path Waypoint Fly- Course/Track Distance Turn Number Descriptor Identifier over °M(°T) (NM) direction	I	007(359.6)	007(359.6)	007(359.6) 4.5	310(302.3)	150(142.8)
OBUI	Fly- over	ı		٢	ı	۲	≻
VIN(IF) to G	Waypoint Identifier	KEVIN	RABAN	RW010 Y 00	JB401	GOBUN Y 31	GOBUN Y
RNP RWY 01 - via KEVIN(IF) to GOBUN(MAHF)	Path Descriptor	ΤF	TF	TF	TF	TF	ЧW
RNP RWY	Serial Number	002	003	004	005	900	007

Path Descriptor HOLDING PROCEDURE Holding Identification

Change : Amended	procedure	name(RNAV(G	$NSS) \rightarrow RNP$).

Remarks i.

Navigation specification RNAV 1

VPA/ RDH ÷

Coordinates

Speed (kt) -230

Turn direction

Time (min) -

r Course/Track r ^M(°T) 045 (037.7)

Waypoint Fly- (Identifier over

≻

NOINO

₹

RNP RWY 01

34°46'19.7"N 126°11'50.8"E

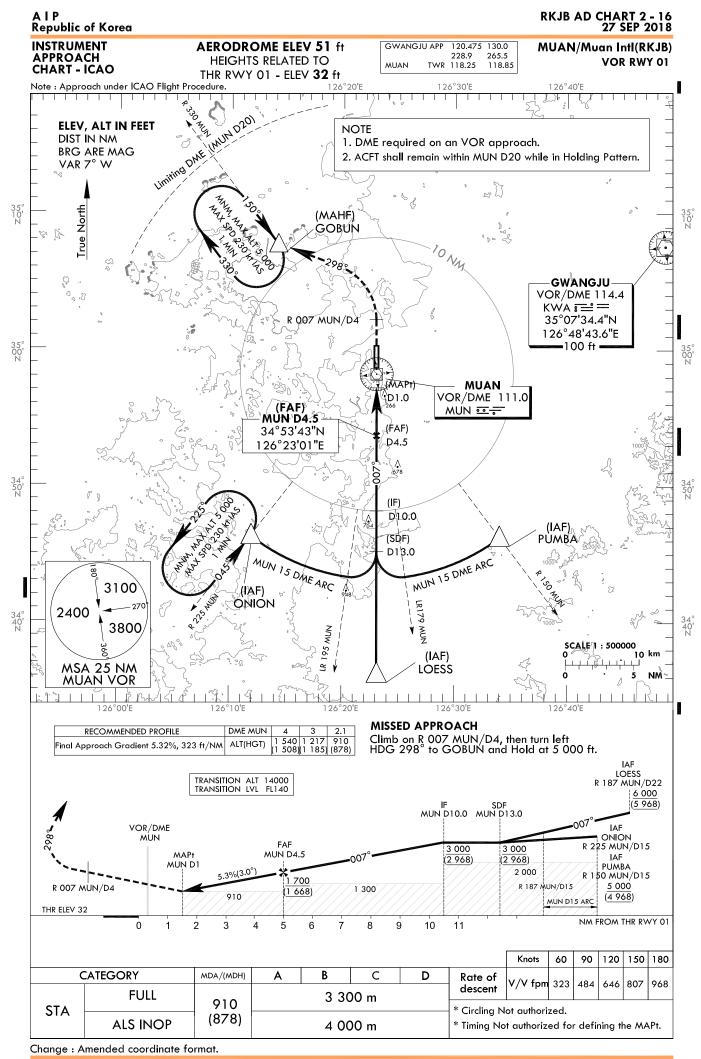
@5 000 Altitude (ft)

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A I P Republic of Korea

MUAN/Muan Intl(RKJB) RNP RWY 01 HOLDING PROCEDURE

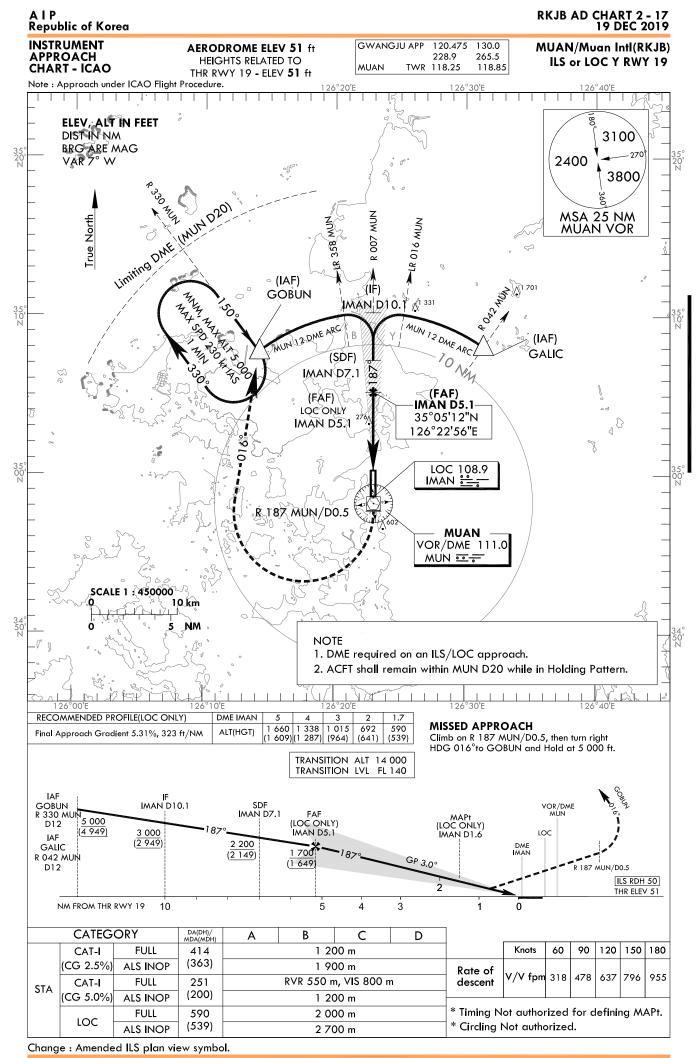
Remarks AF щ



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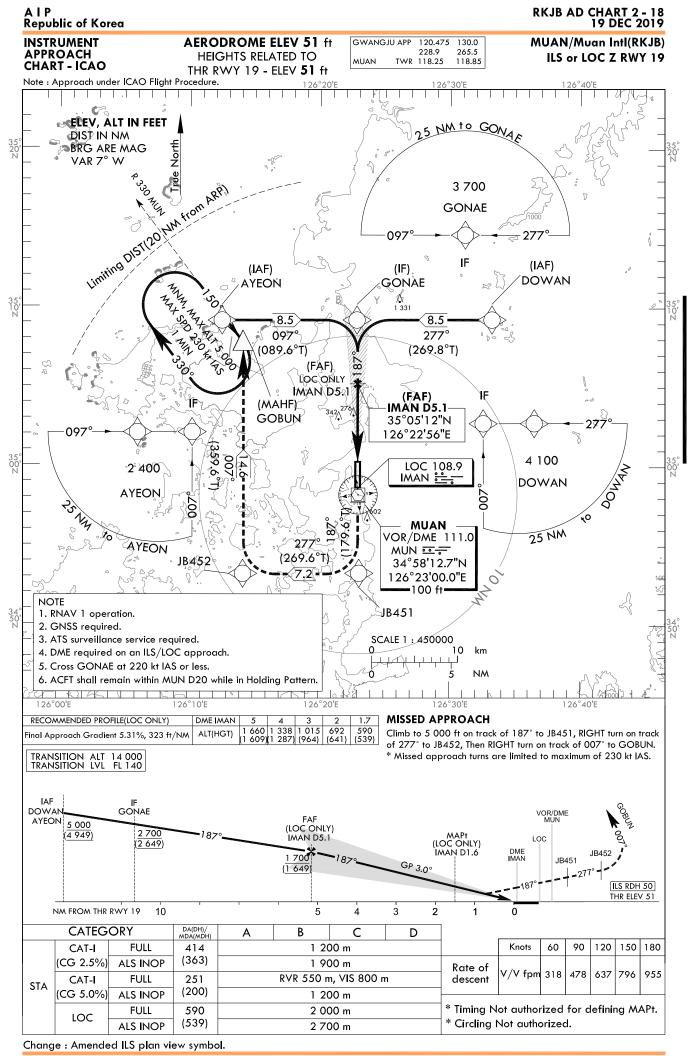
MUAN/Muan Intl(RKJB) VOR RWY 01

VOR Approach to RWY 01 from ONION, LOESS or PUMBA				
	Fix/point	Coordinates		
ONION(IAF)	R 225 MUN /15.00 NM MUN	34°46'19.7"N 126°11'50.8"E		
LOESS(IAF)	r 187 mun /22.00 nm mun	34°36'10.5"N 126°23'06.3"E		
PUMBA(IAF)	r 150 mun /15.00 nm mun	34°46'14.4"N 126°34'00.9"E		
D13 MUN(SDF)	BRG 7.31°/13.00 NM MUN	34°45'11.5"N 126°23'03.7"E		
D10 MUN(IF)	BRG 7.31°/10.0 NM MUN	34°48'10.9"N 126°23'03.3"E		
D4.5 MUN(FAF)	BRG 7.31°/4.50 NM MUN	34°53'42.6"N 126°23'00.5"E		
D1 MUN(MAPt)	BRG 7.31°/1.00 NM MUN	34°57'12.6"N 126°23'00.3"E		
MUN VOR/DME		34°58'12.7"N 126°23'00.0"E		
THR RWY01		34°58'43.64"N 126°22'58.45"E		
D4 MUN	BRG 7.31°/4.00 NM MUN	35°02'12.9"N 126°22'57.0"E		
GOBUN	BRG 298.35°/12.00 NM MUN	35°07'46.6"N 126°14'09.0"E		



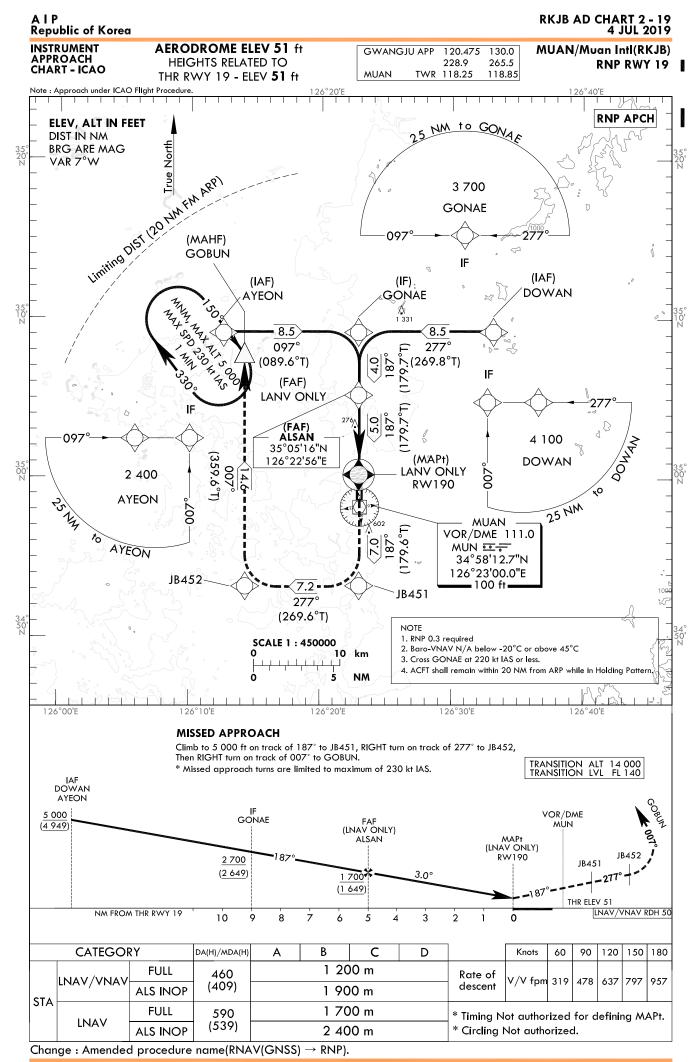
MUAN/Muan Intl(RKJB) ILS or LOC Y RWY 19

ILS/L	OC Approach to RWY 19 from GOB	UN or GALIC
Fi	x/point	Coordinates
GOBUN(IAF)	R 330 MUN /12.00 NM MUN	35°07'46.6"N 126°14'09.0"E
GALIC(IAF)	R 042 MUN /12.00 NM MUN	35°08'04.8"N 126°31'20.7"E
D10.1 IMAN(IF)	BRG 187.14°/10.14 NM IMAN	35°10'13.8"N 126°22'53.6"E
D7.1 IMAN(SDF)	BRG 187.14°/7.14 NM IMAN	35°07'13.4"N 126°22'54.7"E
D5.1 IMAN(FAP)	BRG 187.14°/5.12 NM IMAN	35°05'12.3"N 126°22'55.7"E
D1.6 IMAN(MAPt LOC ONLY)	BRG 187.14°/1.60 NM IMAN	35°01'40.5"N 126°22'57.2"E
THR RWY19		35°00'14.49"N 126°22'57.82"E
IMAN DME		35°00'04.3"N 126°22'53.3"E
IMAN LOC		34°58'35.0"N 126°22'58.5"E
MUN VOR/DME		34°58'12.7"N 126°23'00.0"E
D0.5 MUN	BRG 187.14°/0.50 NM MUN	34°57'42.7"N 126°23'00.2"E
GOBUN	BRG 016.40°/12.00 NM MUN	35°07'46.6"N 126°14'09.0"E



MUAN/Muan Intl(RKJB) ILS or LOC Z RWY 19

ILS/LOC Approach to RWY 19 from AYEON or DOWAN				
Fix/point		Coordinates		
AYEON(IAF)		35°09'10.2"N 126°12'32.1"E		
DOWAN(IAF)		35°09'16.1"N 126°33'16.0"E		
GONAE(IF)		35°09'13.6"N 126°22'54.0"E		
D5.1 IMAN(FAP)	BRG 187.14°/5.12 NM IMAN	35°05'12.3"N 126°22'55.7"E		
D1.6 IMAN(MAPt LOC ONLY)	BRG 187.14°/1.60 NM IMAN	35°01'40.5"N 126°22'57.2"E		
THR RWY19		35°00'14.49"N 126°22'57.82"E		
IMAN DME		35°00'04.3"N 126°22'53.3"E		
IMAN LOC		34°58'35.0"N 126°22'58.5"E		
MUN VOR/DME		34°58'12.7"N 126°23'00.0"E		
JB451		34°53'13.8"N 126°23'01.0"E		
JB452		34°53'10.9"N 126°14'17.1"E		
GOBUN		35°07'46.6"N 126°14'09.0"E		



ourse/Irack Turn Altitude Speed Coordinates VPA/ Navigation Remarks °M(°T) (NM) direction (H) (H) (H) Remarks °M(°T) (NM) direction (H) 35°09'16.1"N 126°33'16.0"E RNP APCH IAF 277(269.8) 8.5 - +2.700 -220 35°09'13.6"N 126°22'54.0"E - RNP APCH IF	ШU	RNP RWY 19 - via DOWAN to GONAE(IF)	-			,		•		
- +5 000 - 35°09'16.1"N 126°33'16.0"E - RNP APCH - +2 700 -220 35°09'13.6"N 126°22'54.0"E - RNP APCH	Serial Path Waypoint Fly- Course/ Ira Number Descriptor Identifier over °M(°T)	σ	ck Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ RDH	Navigation specification	Remarks
- +2 700 -220 35°09'13.6"N 126°22'54.0"E	·		•	I	+5 000	ı	35°09'16.1"N 126°33'16.0"E	•	RNP APCH	IAF
	277(269.8)	8	(269.8) 8.5	I	+2 700	-220	35°09'13.6"N 126°22'54.0"E	•	RNP APCH	٤

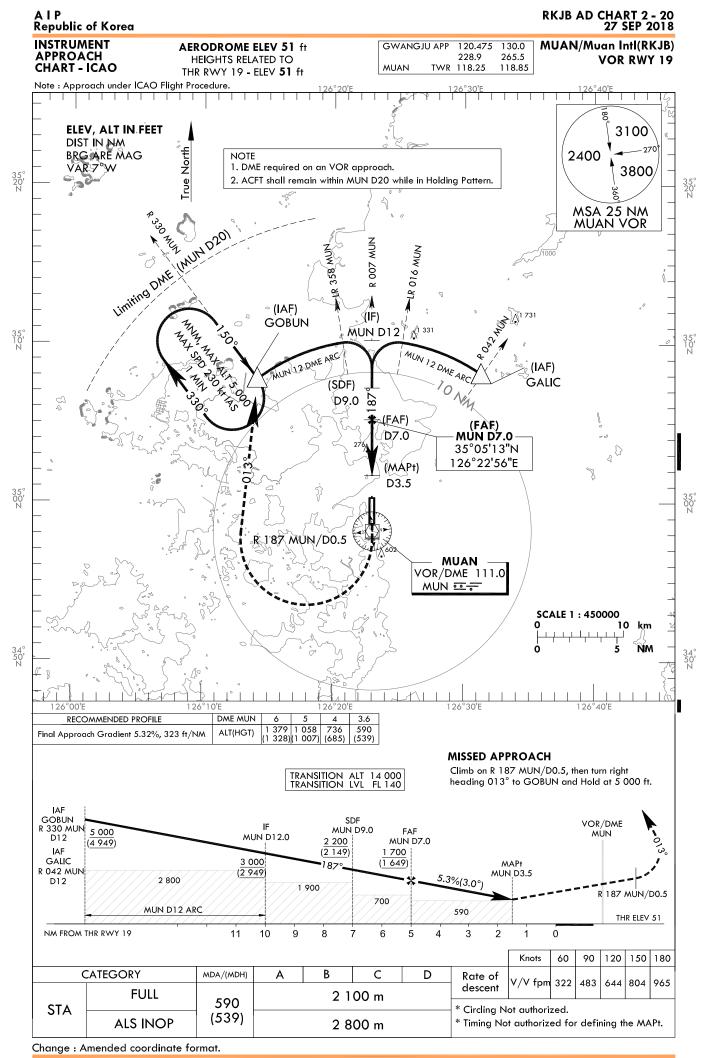
F)	Olireo
ONAE(I	
via AYEON to GONAE(IF)	W/awaaint Elv
•	Dath
2WY 19	

/PA/ Navigation Remarks RDH specification	RNP APCH	RNP APCH
AP/ RD		1
Coordinates	35°09'10.2"N 126°12'32.1"E	34°00'13 6'N'1 76°27'54 0''E
Speed (kt)	ı	-220
Altitude Speed (ft) (kt)	+5 000	+2 700 -220
Turn direction	ı	
se/Track Distance M(°T) (NM)	ı	8.5
, our	ı	097(089.6)
Fly- over	•	•
Waypoint Identifier	AYEON	GONAF -
Serial Path Waypoint Fly- Course Number Descriptor Identifier over [°] M	4	Ļ
Serial Number	100	000

Remarks	<u>L</u>	FAF	MAPt	ı	T	•	1 min (Outbound timing)
Navigation specification	RNP APCH	RNP APCH	RNP APCH	RNP APCH	RNP APCH	RNP APCH	RNP APCH
VPA/ RDH	1	•	-3.00/50	•	•		•
Coordinates	35°09'13.6"N 126°22'54.0"E	35°05'15.9"N 126°22'55.7"E	35°00'14.49"N 126°22'57.82"E -3.00/50 RNP APCH	34°53'13.8"N 126°23'01.0"E	34°53'10.9"N 126°14'17.1"E	35°07'46.6"N 126°14'09.0"E	35°07'46.6"N 126°14'09.0"E
Speed (kt)	-220			-230	-230	-230	-230
Altitude (ft)	+2 700	+1 700	+590	ı	ı	-	@5 000
Turn direction	-	1	1	ı	ı	1	R
Distance (NM)	-	4.0	5.0	7.0	7.2	14.6	•
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	I	187(179.7)	187(179.7)	187(179.6)	277(269.6)	GOBUN Y 007(359.6)	150(142.8)
Fly- over	ı	ı	×	1	ı	Y	Υ
Waypoint Identifier	GONAE	ALSAN	RW190	JB451	JB452	GOBUN	GOBUN Y 15
Serial Path Waypoint Fly- Course/Tra Number Descriptor Identifier over °M(°T)	TF	TF	TF	TF	TF	TF	МΗ
Serial Number	002	003	004	005	900	200	008

AERONAUTICAL DATA TABULATION

RNP RWY 19



MUAN/Muan Intl(RKJB) VOR RWY 19

	VOR Approach to RWY 19 from GOBUN	or GALIC
	Fix/point	Coordinates
GOBUN(IAF)	r 330 mun /12.00 nm mun	35°07'46.6"N 126°14'09.0"E
GALIC(IAF)	r 042 mun /12.00 nm mun	35°08'04.8"N 126°31'20.7"E
D12 MUN(IF)	BRG 187.12°/12.00 NM MUN	35°10'13.8"N 126°22'53.6"E
D9 MUN(SDF)	BRG 187.12°/9.00 NM MUN	35°07'13.5"N 126°22'55.2"E
D7 MUN(FAF)	BRG 187.12°/7.00 NM MUN	35°05'13.4"N 126°22'56.3"E
D3.5 MUN(MAPt)	BRG 187.12°/3.50 NM MUN	35°01'43.0"N 126°22'58.2"E
THR RWY19		35°00'14.49"N 126°22'57.82"E
MUN VOR/DME		34°58'12.7"N 126°23'00.0"E
D0.5 MUN	BRG 187.12°/0.50 NM MUN	34°57'42.7"N 126°23'00.2"E
GOBUN	BRG 013.43°/12.00 NM MUN	35°07'46.6"N 126°14'09.0"E