

GWANGJU	APP	120.475	130.0
		228.9	265.5
MUAN	TWR	118.25	118.85

ILS Y or LOC Y RWY 01

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

True North

Scale 1: 600000
0 10 km
0 5 NM

NOTE
1. DME required on an ILS/LOC approach.
2. ACFT shall remain within MUN D20 while in Holding Pattern.

ELEVATIONS THAT LEGEND
3500
3000
2500
2000
1500
1000
500
Sea Level
ELEVATIONS ARE IN FEET

MOA 20
EL 400
10 000 AMSL

MOA 34
4 000 AMSL
500 AMSL

MOA 21
EL 400
10 000 AMSL

RK R108C
UNL
GND

CATA 4A
7 000 AMSL
1 000 AGL

CATA 4B
3 500 AMSL
1 000 AGL

RK R109
3 500 AMSL
GND

(MAHF) GÜPLA

MUN VOR/DME 111.0
MUN ∇
34° 58' 40" N
126° 23' 05" E
0 ft

LOC ONLY (FAF) IMUN D5.2
34° 53' 43" N
126° 23' 01" E

LOC 111.9 IMUN

LOC ONLY (MAPt) IMUN D1.9

MUN D3.5 180

IMUN D10.7

(SDF) IMUN D13.7

MUN D15.4 ARC

MUN D15.4 ARC

MUN D15.4 ARC

(IAF) OVGEN

(IAF) PEGRO

(IAF) OLBS

R 225 MUN
MAX MIN ALT 5 000
MAX SPD 250 KT IAS
MIN 1000

R 195 MUN
MAX MIN ALT 5 000
MAX SPD 250 KT IAS
MIN 1000

R 181 MUN
MAX MIN ALT 5 000
MAX SPD 250 KT IAS
MIN 1000

R 152 MUN
MAX MIN ALT 5 000
MAX SPD 250 KT IAS
MIN 1000

Limiting DME MUN D20

MSA 25 NM MUN VOR
3500
2400
3800
270°
180°
360°

Climb on HDG 007° to MUN D3.5, then turn left HDG 297° to GUPLA and Hold at 5 000 ft.

[illegible]

CATEGORY			DA(DH)/MDA(MDH)	A	B	C	D		Knots	60	90	120	150	180
STA	CAT-I	FULL	232	RVR 550 m, VIS 800 m				Rate of descent	V/V fpm	318	478	637	796	955
		ALS INOP	(200)	1 200 m										
	LOC	FULL	660	2 600 m				* Timing Not authorized for defining MAPt. * Circling Not authorized.						
		ALS INOP	(628)	3 300 m										

AIP AMDT 13/22

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

AERONAUTICAL DATA TABULATION

ILS Y or LOC Y Approach to RWY 01 from OVGEN, OLBES or PEGRO			
Fix/point		Coordinates	
OVGEN(IAF)	R 225 MUN /15.4 NM MUN	34°46'22.2"N	126°11'47.9"E
OLBES(IAF)	R 189 MUN /22.5 NM MUN	34°36'08.1"N	126°22'32.0"E
PEGRO(IAF)	R 152 MUN /15.4 NM MUN	34°46'09.0"N	126°34'02.1"E
D13.7 IMUN(SDF)	BRG 7.10°/13.7 NM IMUN	34°45'11.5"N	126°23'04.1"E
D10.7 IMUN(IF)	BRG 7.10°/10.7 NM IMUN	34°48'10.9"N	126°23'03.3"E
D5.2 IMUN(FAF LOC ONLY)	BRG 7.10°/5.2 NM IMUN	34°53'42.6"N	126°23'00.5"E
D1.9 IMUN(MAPt LOC ONLY)	BRG 7.10°/1.9 NM IMUN	34°56'59.1"N	126°22'59.2"E
MUN VOR/DME		34°58'40.0"N	126°23'05.4"E
THR RWY 01	Final approach descent angle 3.04° (LOC ONLY)	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
D3.5 MUN	HDG 007	-	
GUPLA	HDG 297/11.5 NM MUN	35°07'37.8"N	126°14'18.1"E

**INSTRUMENT
APPROACH
CHART - ICAO**

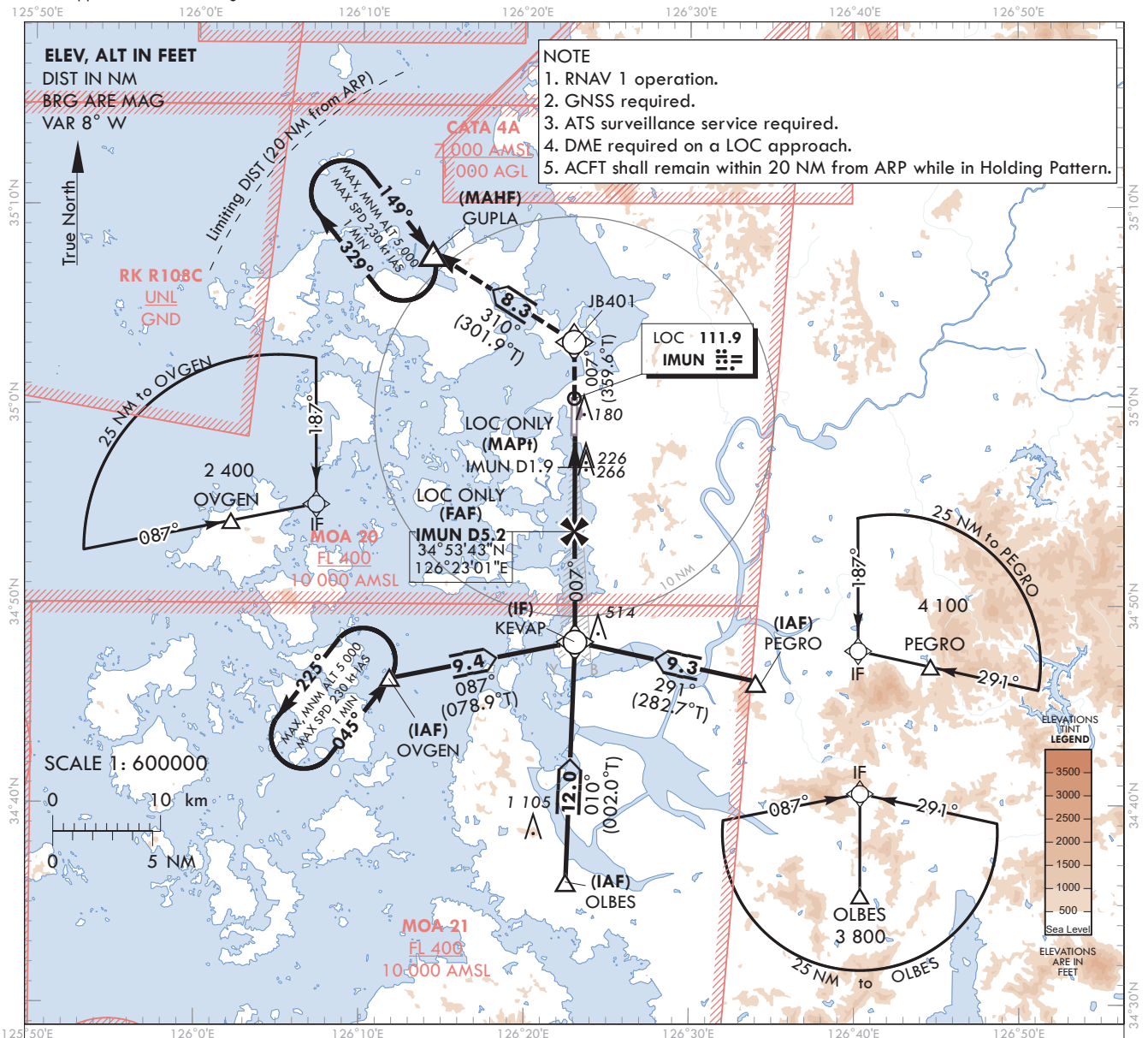
AERODROME ELEV 51 ft
HEIGHTS RELATED TO
THR RWY 01 - ELEV 32 ft

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

MUAN/Muan Intl(RKJB)

ILS Z or LOC Z RWY 01

Note : Approach under ICAO Flight Procedure.

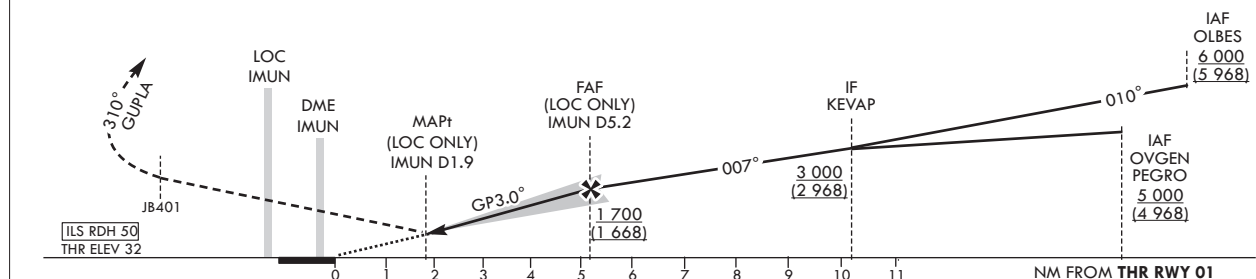


RECOMMENDED PROFILE(LOC ONLY)	DME IMUN	5	4	3	2
Final Approach Gradient 5.31%, 323 ft/NM	ALT(HGT)	1 645 (1 613)	1 322 (1 290)	999 (967)	660 (628)

TRANSITION ALT 14 000
TRANSITION LVL FL 140

MISSED APPROACH

Climb to 5 000 ft on track of 007° to JB401,
then LEFT turn on track of 310° to GUPLA.
Hold as published.



CATEGORY			DA(DH)/MDA(MDH)	A	B	C	D		Knots	60	90	120	150	180
STA	CAT-I	FULL	232	RVR 550 m, VIS 800 m				Rate of descent	V/V fpm	318	478	637	796	955
		ALS INOP	(200)	1 200 m										
	LOC	FULL	660	2 600 m				* Timing Not authorized for defining MAPt. * Circling Not authorized.						
		ALS INOP	(628)	3 300 m										

Change : Improved clarity such as terrain.

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

AERONAUTICAL DATA TABULATION

ILS Z or LOC Z Approach to RWY 01 from OVGEN, OLBES or PEGRO			
Fix/point		Coordinates	
OVGEN(IAF)		34°46'22.2"N	126°11'47.9"E
OLBES(IAF)		34°36'08.1"N	126°22'32.0"E
PEGRO(IAF)		34°46'09.0"N	126°34'02.1"E
KEVAP(IF)	BRG 7.10°/10.69 NM IMUN	34°48'10.9"N	126°23'03.3"E
D5.2 IMUN(FAF LOC ONLY)	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
THR RWY 01	Final approach descent angle 3.04°(LOC ONLY)	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
GUPLA		35°07'37.8"N	126°14'18.1"E

**INSTRUMENT
APPROACH
CHART - ICAO**

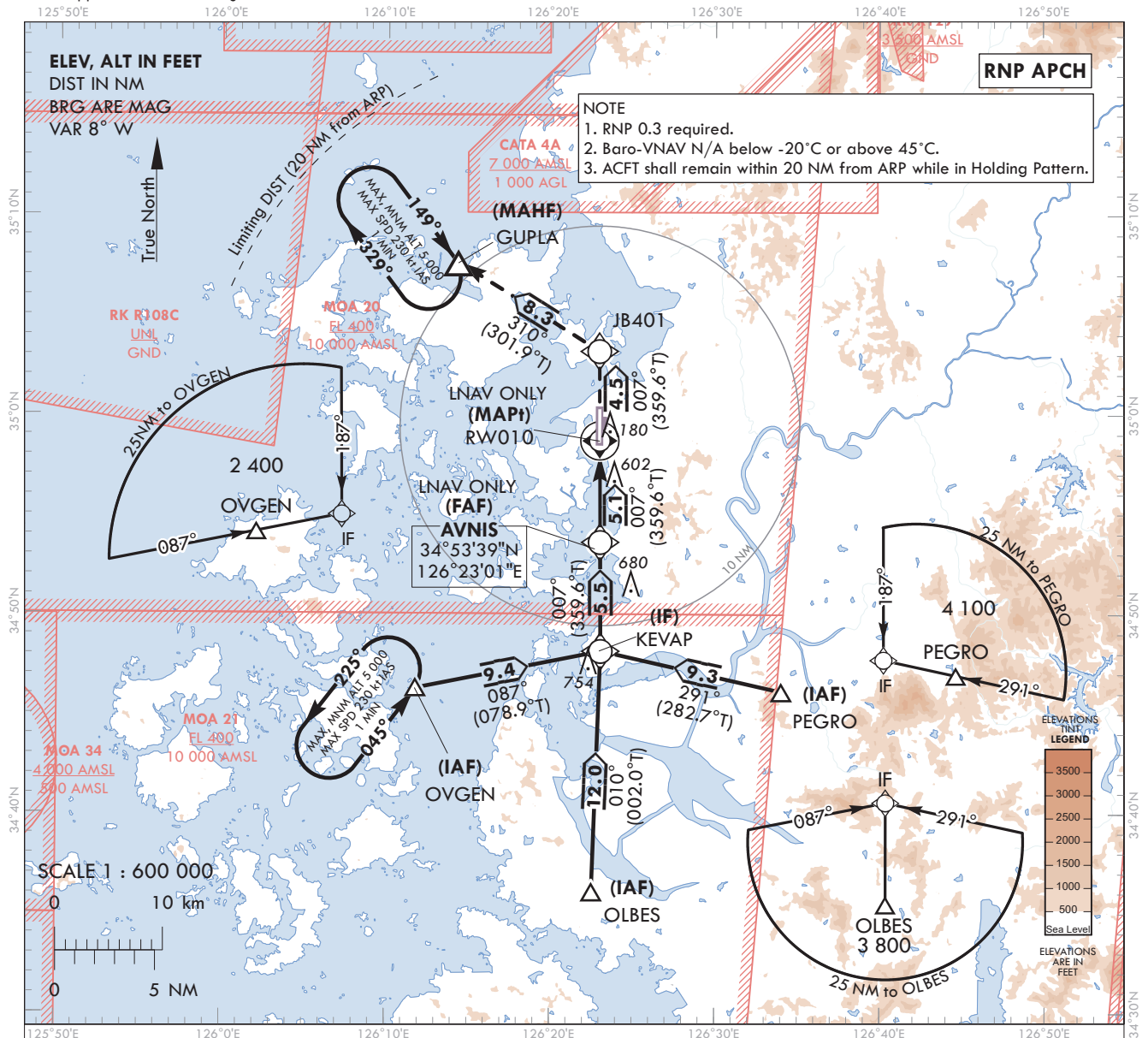
AERODROME ELEV 51 ft
HEIGHTS RELATED TO
THR RWY 01 - ELEV 32 ft

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

MUAN/Muan Intl(RKJB)

RNP RWY 01

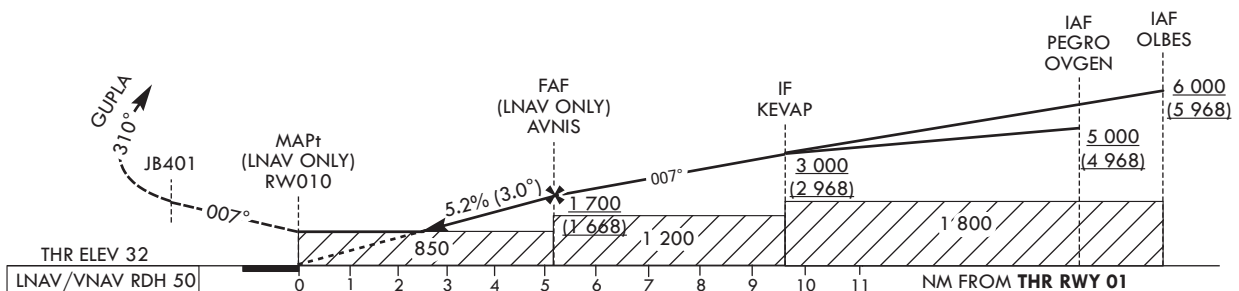
Note : Approach under ICAO Flight Procedure.



TRANSITION ALT 14 000
TRANSITION LVL FL 140

MISSED APPROACH

Climb to 5 000 ft on track of 007° to JB401,
then LEFT turn on track of 310° to GUPLA.
Hold as published.



CATEGORY			DA(H)/MDA(H)	A	B	C	D		Knots	60	90	120	150	180					
STA	LNAV/VNAV	FULL	790	2 700 m				Rate of descent	V/V fpm	319	478	638	797	957					
		ALS INOP	(758)	3 500 m															
	LNAV	FULL	850	3 100 m				* Timing Not authorized for defining MAPt. * Circling Not authorized.											
		ALS INOP	(818)	3 800 m															

Change : Improved clarity such as terrain.

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

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 01 - via OVGEN to KEVAP(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	OVGEN	-	-	-	-	+5 000	-	34°46'22.2"N 126°11'47.9"E	-	RNP APCH	IAF
002	TF	KEVAP	-	087(078.9)	9.4	-	+3 000	-	34°48'10.9"N 126°23'03.3"E	-	RNP APCH	IF

RNP RWY 01 - via OLBES to KEVAP(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	OLBES	-	-	-	-	+6 000	-	34°36'08.1"N 126°22'32.0"E	-	RNP APCH	IAF
002	TF	KEVAP	-	010(002.0)	12.0	-	+3 000	-	34°48'10.9"N 126°23'03.3"E	-	RNP APCH	IF

RNP RWY 01 - via PEGRO to KEVAP(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	PEGRO	-	-	-	-	+5 000	-	34°46'09.0"N 126°34'02.1"E	-	RNP APCH	IAF
002	TF	KEVAP	-	291(282.7)	9.3	-	+3 000	-	34°48'10.9"N 126°23'03.3"E	-	RNP APCH	IF

RNP RWY 01 - via KEVAP(IF) to GUPLA(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
002	TF	KEVAP	-	-	-	-	+3 000	-	34°48'10.9"N 126°23'03.3"E	-	RNP APCH	IF
003	TF	AVNIS	-	007(359.6)	5.5	-	+1 700	-	34°53'38.8"N 126°23'00.8"E	-	RNP APCH	FAF
004	TF	RW010	Y	007(359.6)	5.1	-	+850	-	34°58'43.64"N 126°22'58.45"E	-3.00/50	RNP APCH	MAPt
005	TF	JB401	-	007(359.6)	4.5	-	-	-	35°03'13.1"N 126°22'56.4"E	-	RNP APCH	-
006	TF	GUPLA	Y	310(301.9)	8.3	-	-	-	35°07'37.8"N 126°14'18.1"E	-	RNP APCH	-
007	HM	GUPLA	Y	149(141.1)	-	R	@5 000	-230	35°07'37.8"N 126°14'18.1"E	-	RNP APCH	1 MIN (Outbound timing)

HOLDING PROCEDURE

Holding Identification	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Time (min)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/RDH	Navigation specification	Remarks
RNP RWY 01	HM	OVGEN	Y	045 (037.0)	1	L	@5 000	-230	34°46'22.2"N 126°11'47.9"E	-	RNAV 1	-

**INSTRUMENT
APPROACH
CHART - ICAO**

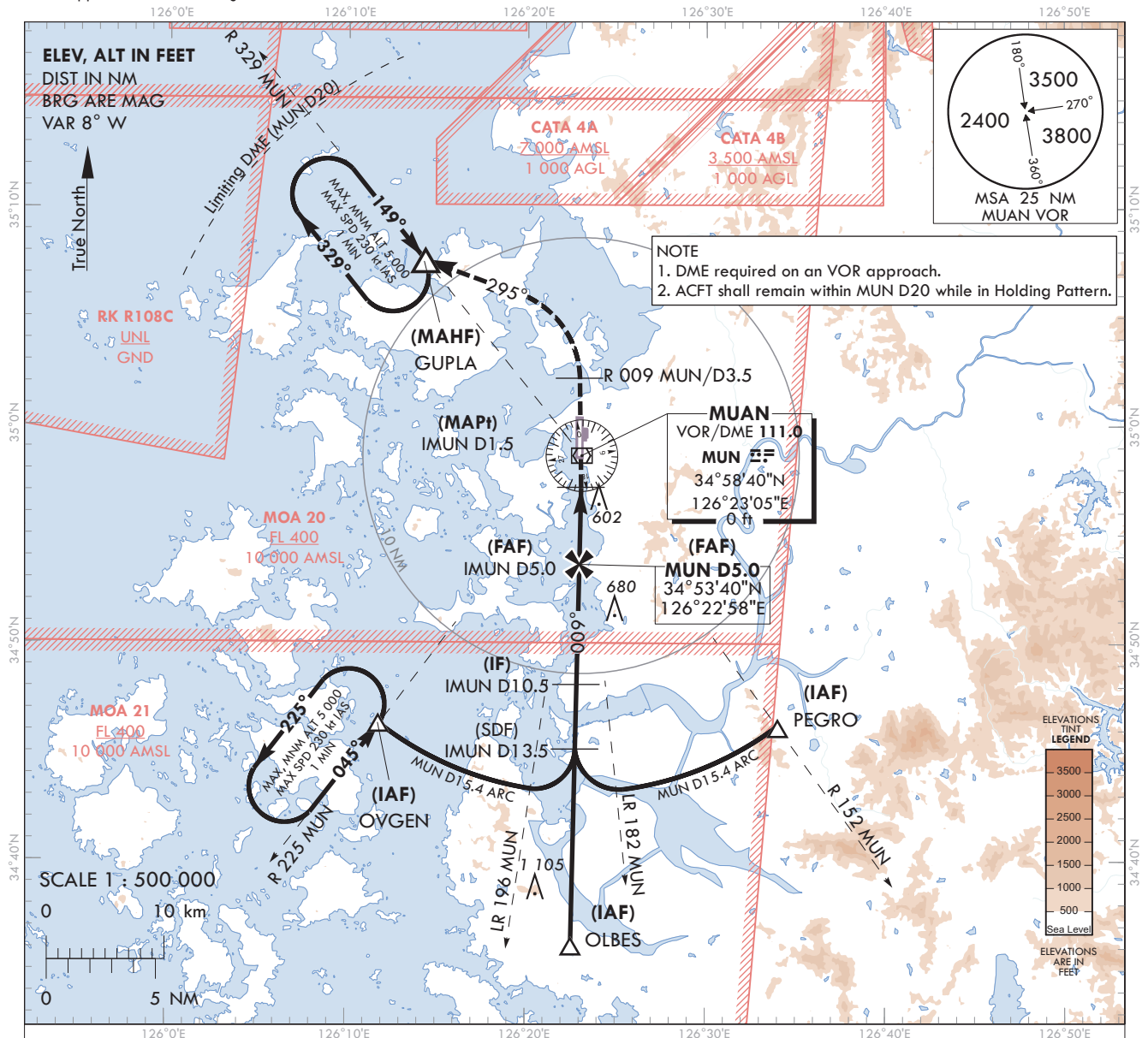
AERODROME ELEV 51 ft
HEIGHTS RELATED TO
THR RWY 01 - ELEV 32 ft

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

MUAN/Muan Intl(RKJB)

VOR RWY 01

Note : Approach under ICAO Flight Procedure.

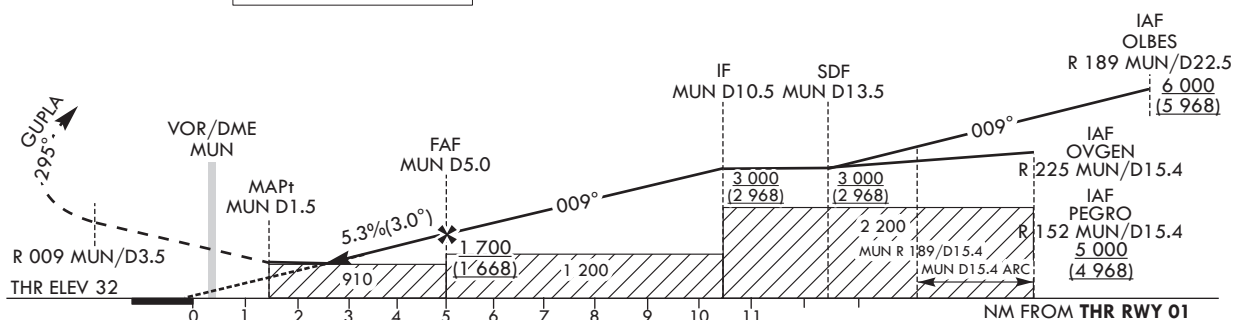


RECOMMENDED PROFILE	DME MUN	4	3	2.5
Final Approach Gradient 5.26%, 320 ft/NM	ALT(HGT)	1 381 (1 349)	1 061 (1 029)	910 (878)

TRANSITION ALT 14 000
TRANSITION LVL FL 140

MISSED APPROACH

Climb to R 009 MUN/D3.5, then turn left
HDG 295° to GUPLA and Hold at 5 000 ft.



CATEGORY		MDA/(MDH)	A	B	C	D		Knots	60	90	120	150	180
STA	FULL	910 (878)	3 300m				Rate of descent	V/V fpm	320	480	640	799	959
	ALS INOP		4 000m				* Circling Not authorized. * Timing Not authorized for defining MAPt.						

Change : Improved clarity such as terrain.

MUAN/Muan Intl(RKJB)
VOR RWY 01

AERONAUTICAL DATA TABULATION

VOR Approach to RWY 01 from OVGEN, OLBES or PEGRO			
Fix/point		Coordinates	
OVGEN(IAF)	R 225 MUN /15.4 NM MUN	34°46'22.2"N	126°11'47.9"E
OLBES(IAF)	R 189 MUN /22.5 NM MUN	34°36'08.1"N	126°22'32.0"E
PEGRO(IAF)	R 152 MUN /15.4 NM MUN	34°46'09.0"N	126°34'02.1"E
D13.5 MUN(SDF)	R 189 MUN/13.5 NM MUN	34°45'08.9"N	126°22'45.3"E
D10.5 MUN(IF)	R 189 MUN/10.5 NM MUN	34°48'09.1"N	126°22'49.8"E
D5.0 MUN(FAF)	R 189 MUN/5.0 NM MUN	34°53'39.6"N	126°22'57.9"E
D1.5 MUN(MAPt)	R 189 MUN/1.5 NM MUN	34°57'09.9"N	126°23'03.1"E
MUN VOR/DME		34°58'40.0"N	126°23'05.4"E
THR RWY 01	Final approach descent angle 3.01°	34°58'43.64"N	126°22'58.45"E
D3.5 MUN	R 009 MUN /3.5 NM MUN	35°02'10.2"N	126°22'57.2"E
GUPLA	HDG 294.81/11.5 NM MUN	35°07'37.8"N	126°14'18.1"E

**INSTRUMENT
APPROACH
CHART - ICAO**

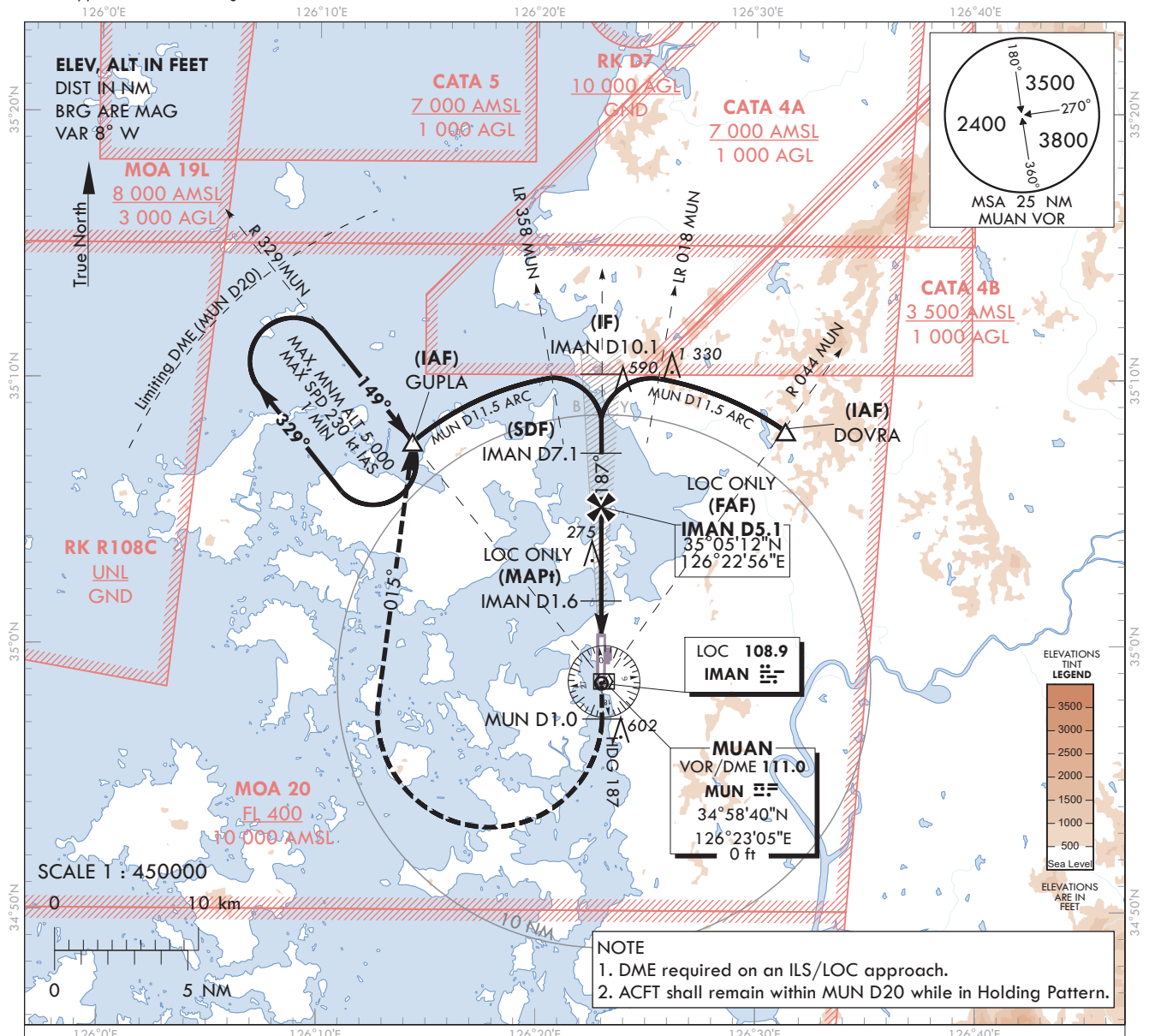
AERODROME ELEV 51 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 51 ft

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

MUAN/Muan Intl(RKJB)

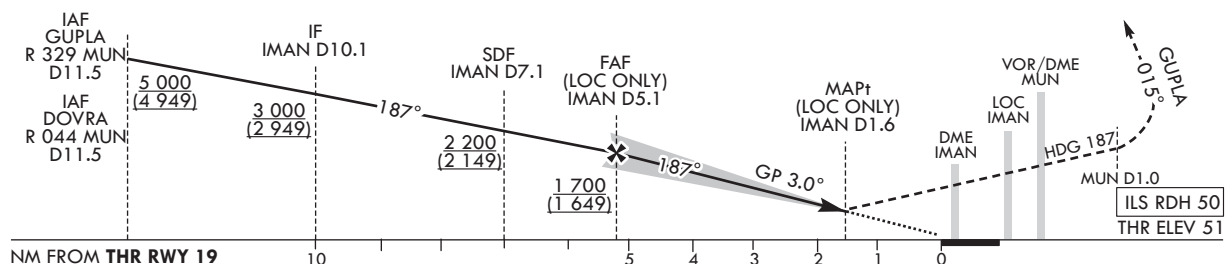
ILS Y or LOC Y RWY 19

Note : Approach under ICAO Flight Procedure.



RECOMMENDED PROFILE(LOC ONLY)	DME IMAN	5	4	3	2	1.7	MISSED APPROACH
Final Approach Gradient 5.31%, 323 ft/NM	ALT (HGT)	1 660 (1 609)	1 338 (1 287)	1 015 (964)	692 (641)	590 (539)	Climb on HDG 187° to MUN D1.0 then turn right HDG 015° to GUPLA and Hold at 5 000 ft.

TRANSITION ALT 14 000
TRANSITION LVL FL 140



CATEGORY			DA(DH)/ MDA(MDH)	A	B	C	D							
STA	CAT-I (CG 2.5%)	FULL	414	1 200 m			Rate of descent	Knots	60	90	120	150	180	
		ALS INOP	(363)	1 900 m				V/V fpm	318	478	637	796	955	
	CAT-I (CG 5.0%)	FULL	251	RVR 550 m, VIS 800 m										
		ALS INOP	(200)	1 200 m										
	LOC	FULL	590	2 000 m										
		ALS INOP	(539)	2 700 m										
								* Timing Not authorized for defining MAPt. * Circling Not authorized.						

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

Change : Improved clarity such as terrain.

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

AERONAUTICAL DATA TABULATION

ILS Y or LOC Y Approach to RWY 19 from GUPLA or DOVRA			
Fix/point		Coordinates	
GUPLA(IAF)	R 329 MUN /11.5 NM MUN	35°07'37.8"N	126°14'18.1"E
DOVRA(IAF)	R 044 MUN /11.5 NM MUN	35°07'57.8"N	126°31'22.0"E
D10.1 IMAN(IF)	BRG 187.14°/10.14 NM IMAN	35°10'11.0"N	126°22'53.2"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(FAF LOC ONLY)	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 RWY 19	Final approach descent angle 3.04°(LOC ONLY)	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°58'40.0"N	126°23'05.4"E
D1.0 MUN	HDG 187	-	
GUPLA	HDG 015/11.5 NM MUN	35°07'37.8"N	126°14'18.1"E

GWANGJU	APP	120.475	130.0
		228.9	265.5
MUAN	TWR	118.25	118.85

ILS Z or LOC Z RWY 19

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

True North

CATA 5
7 000 AMSL
1 000 AGL

CATA 4A
7 000 AMSL
1 000 AGL

CATA 4B
3 500 AMSL
1 000 AGL

RK R129
3 500 AMSL
GND

RK R108C
UNL
GND

MOA 20
FL 400
10 000 AMSL

(MAHF) GUPLA
IF

2 400 AYEON

3 700 KASPU

3 500 DOWAN

LOC ONLY (FAF) IMAN D5.1
35°05'12"N
126°22'56"E

LOC ONLY (MAPt) IMAN D1.6

LOC 108.9 IMAN

4 100 DOWAN

25 NM to AYEON

25 NM to KASPU

25 NM to DOWAN

10 NM

SCALE 1 : 450000

0 10 km

0 5 NM

ELEVATIONS TINT LEGEND

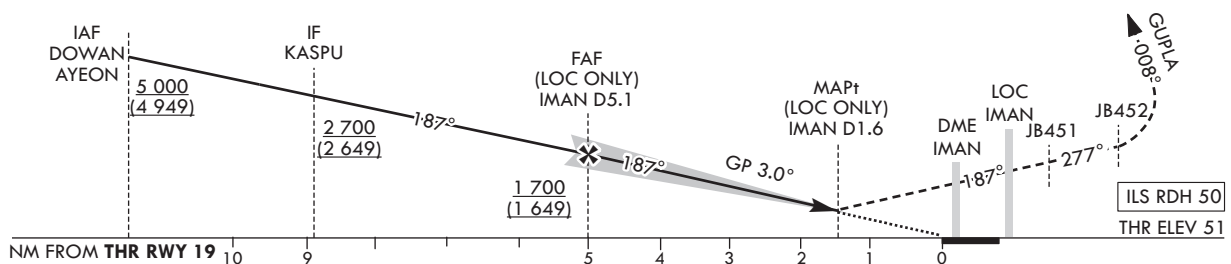
ELEVATIONS ARE IN FEET

NOTE

1. RNAV 1 operation.
2. GNSS required.
3. ATS surveillance service required.
4. DME required on a LOC approach.
5. Cross KASPU at 220 kt IAS or less.
6. ACFT shall remain within 20 NM from ARP while in Holding Pattern.

RECOMMENDED PROFILE(LOC ONLY)	DME IMAN	5	4	3	2	1.7
Final Approach Gradient 5.31%, 323 ft/NM	ALT(HGT)	1 660 (1 609)	1 338 (1 287)	1 015 (964)	692 (641)	590 (539)

TRANSITION ALT	14 000
TRANSITION LVL	FL 140



CATEGORY			DA(DH)/ MDA(MDH)	A	B	C	D							
STA	CAT-I (CG 2.5%)	FULL	414	1 200 m				Rate of descent	Knots	60	90	120	150	180
		ALS INOP	(363)	1 900 m										
	CAT-I (CG 5.0%)	FULL	251	RVR 550 m, VIS 800 m										
		ALS INOP	(200)	1 200 m										
	LOC	FULL	590	2 000 m										
		ALS INOP	(539)	2 700 m										
								* Timing Not authorized for defining MAPt. * Circling Not authorized.						

OFFICE OF CIVIL AVIATION

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

AERONAUTICAL DATA TABULATION

ILS Z or LOC Z 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
KASPU(IF)	35°09'07.5"N	126°22'54.1"E
D5.1 IMAN(FAF LOC ONLY) 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 RWY 19 Final approach descent angle 3.04° (LOC ONLY)	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
JB451	34°53'13.8"N	126°23'01.0"E
JB452	34°53'10.9"N	126°14'17.1"E
GUPLA	35°07'37.8"N	126°14'18.1"E

**INSTRUMENT
APPROACH
CHART - ICAO**

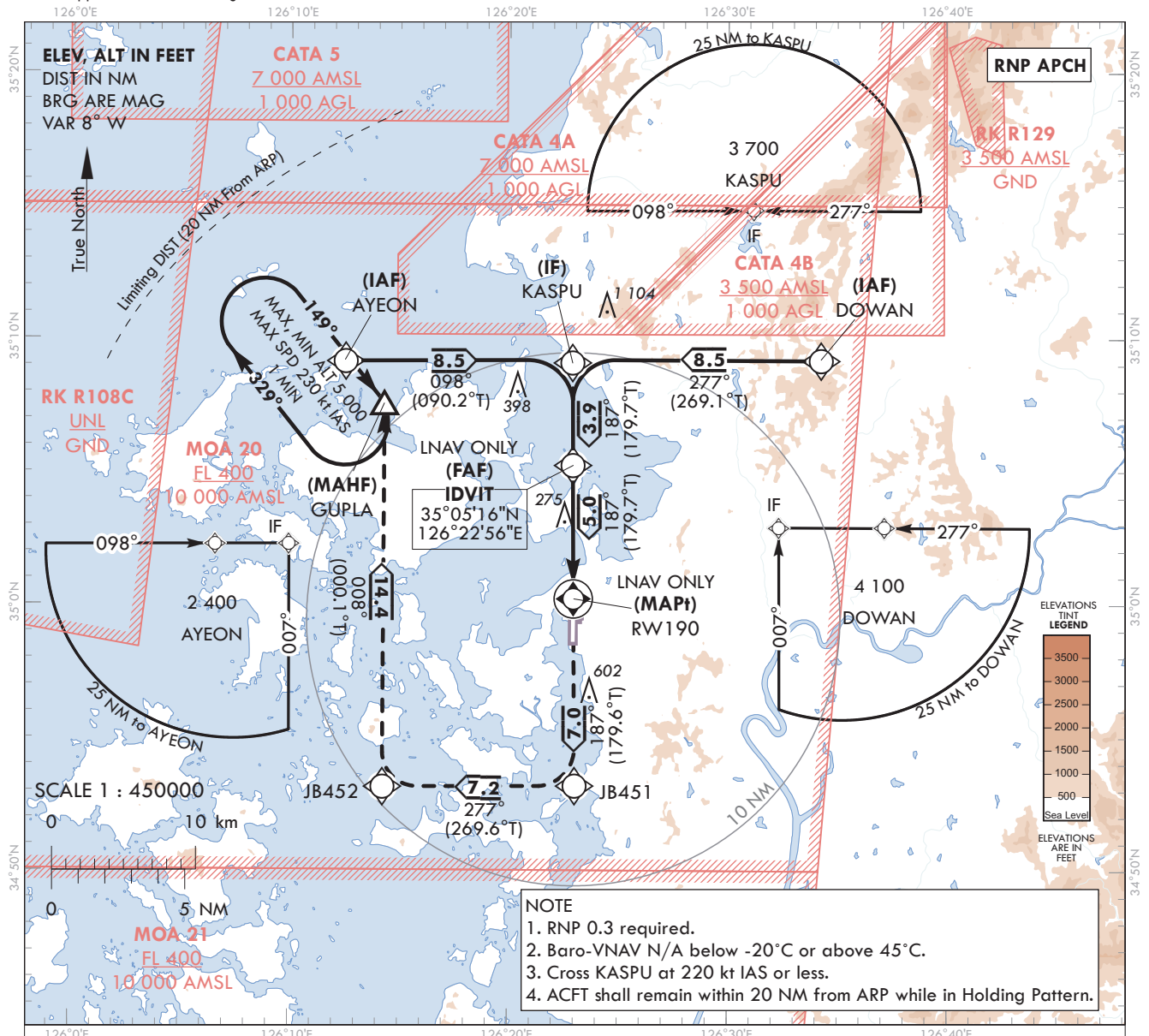
AERODROME ELEV 51 ft
HEIGHTS RELATED TO
THR RWY 19 - ELEV 51 ft

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

MUAN/Muan Intl(RKJB)

RNP RWY 19

Note : Approach under ICAO Flight Procedure.



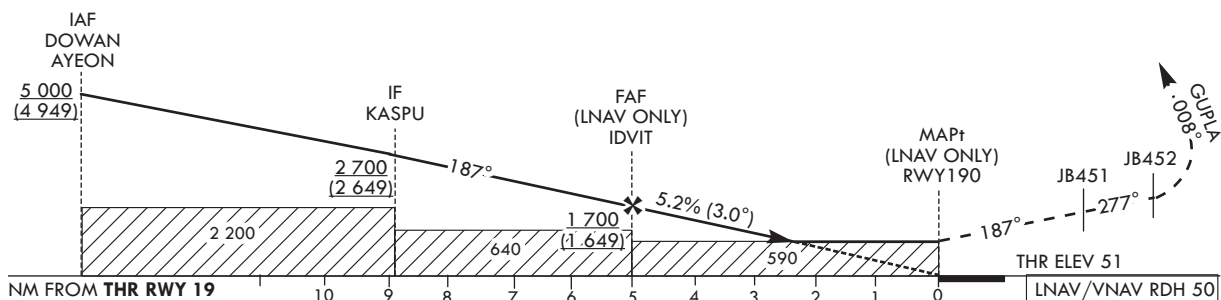
TRANSITION ALT 14 000
TRANSITION LVL FL 140

MISSED APPROACH

Climb to 5 000 ft on track of 187° to JB451, RIGHT turn on track of 277° to JB452, Then RIGHT turn on track of 008° to GUPLA.

Hold as published.

* Missed approach turns are limited to maximum of 230 kt IAS.



CATEGORY			DA(H)/ MDA(H)	A	B	C	D		Knots	60	90	120	150	180
STA	LNAV/VNAV	FULL	460	1 200 m				Rate of descent	V/V fpm	319	478	637	797	957
		ALS INOP	(409)	1 900 m										
	LNAV	FULL	590	1 700 m				* Timing Not authorized for defining MAPt. * Circling Not authorized.						
		ALS INOP	(539)	2 400 m										

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

Change : Amended profile view.

AERONAUTICAL DATA TABULATION

Instrument Approach Procedure Coding Tables

RNP RWY 19 - via DOWAN to KASPU(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	DOWAN	-	-	-	-	+5 000	-	35°09'16.1"N 126°33'16.0"E	-	RNP APCH	IAF
002	TF	KASPU		277(269.1)	8.5	-	+2 700	-220	35°09'07.5"N 126°22'54.1"E	-	RNP APCH	IF

RNP RWY 19 - via AYEON to KASPU(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	AYEON	-	-	-	-	+5 000	-	35°09'10.2"N 126°12'32.1"E	-	RNP APCH	IAF
002	TF	KASPU	-	098(090.2)	8.5	-	+2 700	-220	35°09'07.5"N 126°22'54.1"E	-	RNP APCH	IF

RNP RWY 19 - via KASPU(IF) to GUPLA(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
002	TF	KASPU	-	-	-	-	+2 700	-220	35°09'07.5"N 126°22'54.1"E	-	RNP APCH	IF
003	TF	IDVIT	-	187(179.7)	3.9	-	+1 700	-	35°05'15.9"N 126°22'55.7"E	-	RNP APCH	FAF
004	TF	RW190	Y	187(179.7)	5.0	-	+590	-	35°00'14.49"N 126°22'57.82"E	-3.00/50	RNP APCH	MAPt
005	TF	JB451	-	187(179.6)	7.0	-	-	-230	34°53'13.8"N 126°23'01.0"E	-	RNP APCH	-
006	TF	JB452	-	277(269.6)	7.2	-	-	-230	34°53'10.9"N 126°14'17.1"E	-	RNP APCH	-
007	TF	GUPLA	Y	008(000.1)	14.4	-	-	-230	35°07'37.8"N 126°14'18.1"E	-	RNP APCH	-
008	HM	GUPLA	Y	149(141.1)	-	R	@5 000	-230	35°07'37.8"N 126°14'18.1"E	-	RNP APCH	¹ MIN (Outbound timing)

**INSTRUMENT
APPROACH
CHART - ICAO**

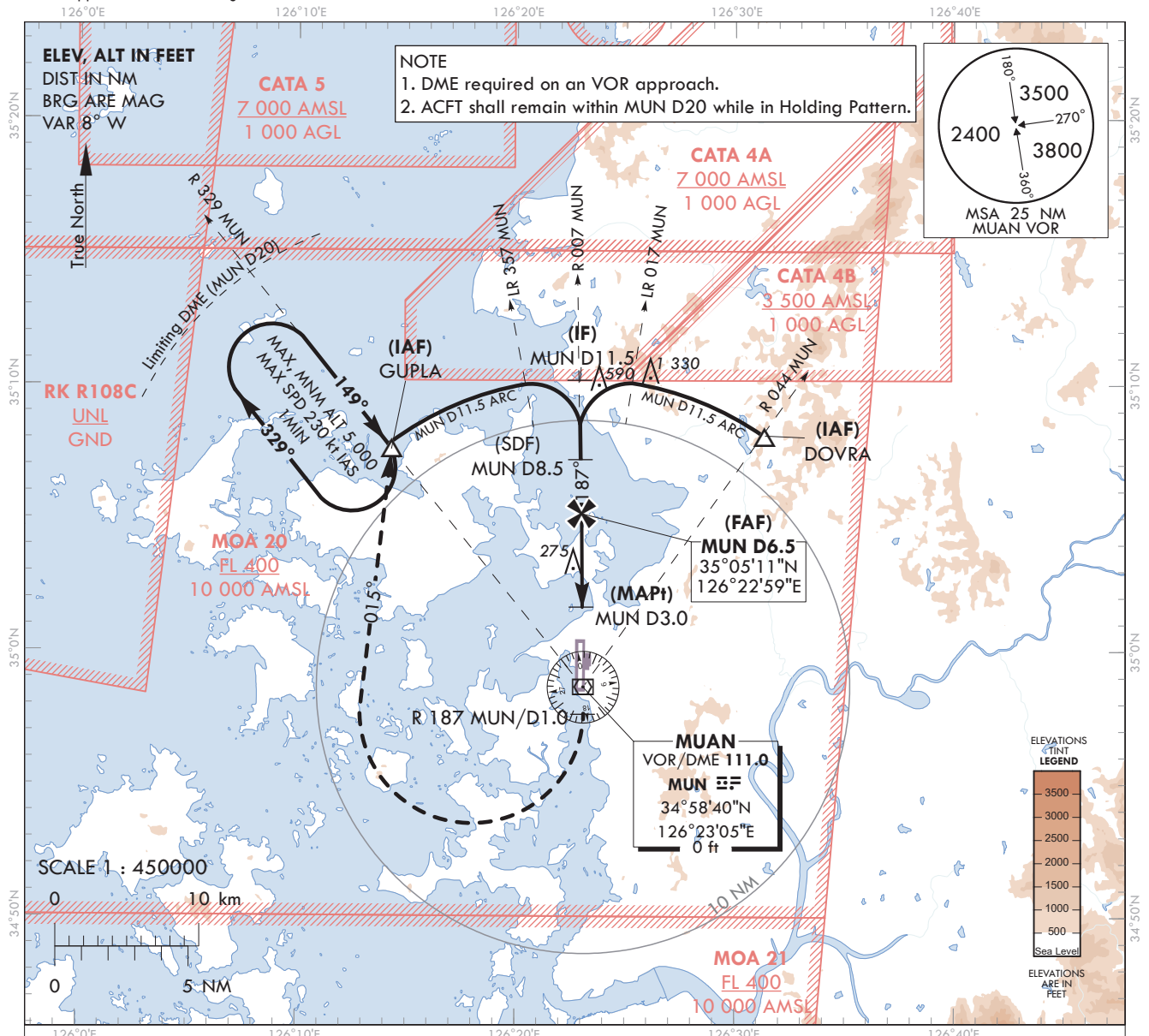
Note : Approach under ICAO Flight Procedure.

AERODROME ELEV 51 ft
HEIGHTS RELATED TO AD ELEV

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

MUAN/Muan Intl(RKJB)

VOR RWY 19

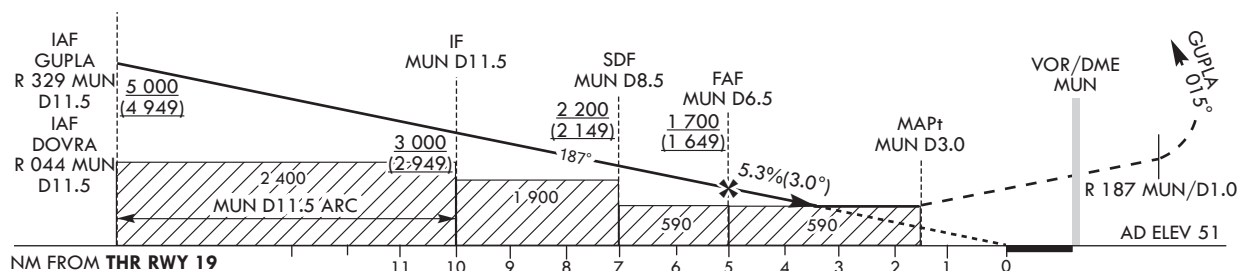


RECOMMENDED PROFILE	DME MUN	6	5	4	3.1
Final Approach Gradient 5.35%, 325 ft/NM	ALT(HGT)	1 538 (1 487)	1 214 (1 163)	889 (838)	590 (539)

MISSED APPROACH

Climb on R 187 MUN/D1.0, then turn right HDG 015° to GUPLA and Hold at 5 000 ft.

TRANSITION ALT 14 000
TRANSITION LVL FL 140



CATEGORY	MDA/(MDH)	A	B	C	D	Rate of descent	Knots	60	90	120	150	180
STA	FULL	590 (539)	2 100 m				V/V fpm	325	487	649	811	974
	ALS INOP		2 800 m									

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

Change : Information of AD ELEV datum.

MUAN/Muan Intl(RKJB)
VOR RWY 19

AERONAUTICAL DATA TABULATION

VOR Approach to RWY 19 from GUPLA or DOVRA			
Fix/point		Coordinates	
GUPLA(IAF)	R 329 MUN /11.5 NM MUN	35°07'37.8"N	126°14'18.1"E
DOVRA(IAF)	R 044 MUN /11.5 NM MUN	35°07'57.8"N	126°31'22.0"E
D11.5 MUN(IF)	R 007 MUN/11.5 NM MUN	35°10'11.0"N	126°22'53.2"E
D8.5 MUN(SDF)	R 007 MUN/8.5 NM MUN	35°07'13.6"N	126°22'56.3"E
D6.5 MUN(FAF)	R 007 MUN/6.5 NM MUN	35°05'10.6"N	126°22'59.5"E
D3.0 MUN(MAPt)	R 007 MUN/3.0 NM MUN	35°01'40.2"N	126°23'02.2"E
THR RWY 19	Final approach descent angle 3.06°	35°00'14.49"N	126°22'57.82"E
MUN VOR/DME		34°58'40.0"N	126°23'05.4"E
D1.0 MUN	R 187 MUN /1.0 NM MUN	34°57'39.9"N	126°23'06.3"E
GUPLA	HDG 014.75/11.5 NM MUN	35°07'37.8"N	126°14'18.1"E