

**INSTRUMENT  
APPROACH  
CHART - ICAO**

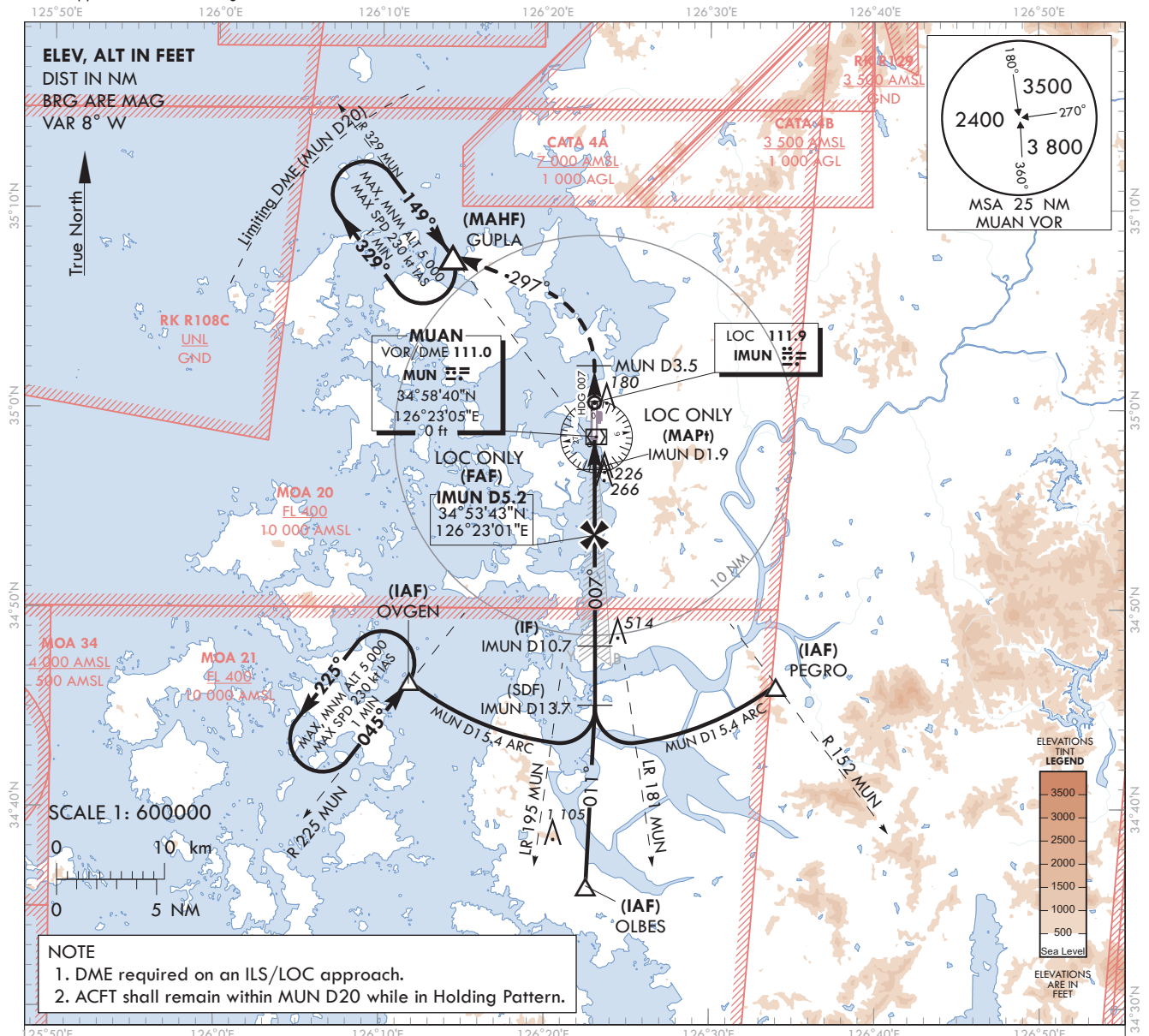
**AERODROME ELEV 51 ft**  
HEIGHTS RELATED TO  
THR RWY 01 - ELEV 32 ft

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

**MUAN/Muan Intl(RKJB)**

**ILS Y or LOC Y RWY 01**

Note : Approach under ICAO Flight Procedures.

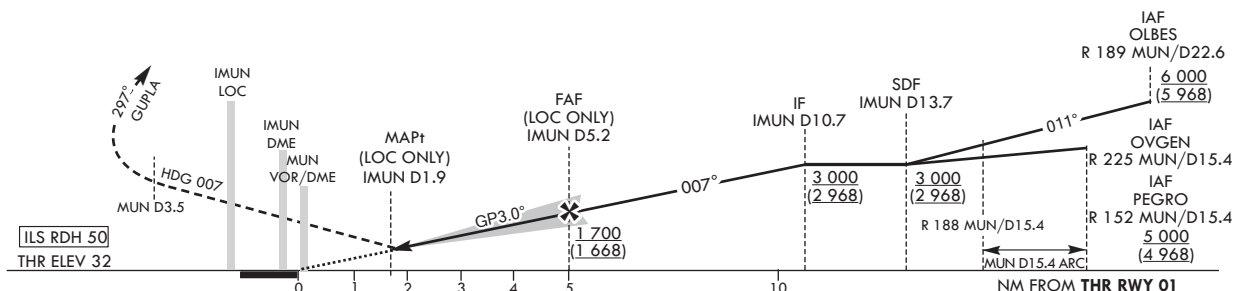


RECOMMENDED PROFILE(LOC ONLY)	DME IMUN	5	4	3	2
Final Approach Gradient 5.31%, 323 ft/NM	ALT(HGT)	1 645 (1 613)	1 322 (1 290)	999 (967)	660 (628)

**MISSED APPROACH**

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

TRANSITION ALT 14 000  
TRANSITION LVL FL 140



OCA (H)		A	B	C	D		Knots	60	90	120	150	180
Straight-in Approach	CAT-I	232 (200)				Rate of descent	V/V fpm	318	478	637	796	955
	LOC	660 (628)				* Timing Not authorized for defining MAPt. * Circling Not authorized.						

Change : Amende phrase(missed → missed).

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**

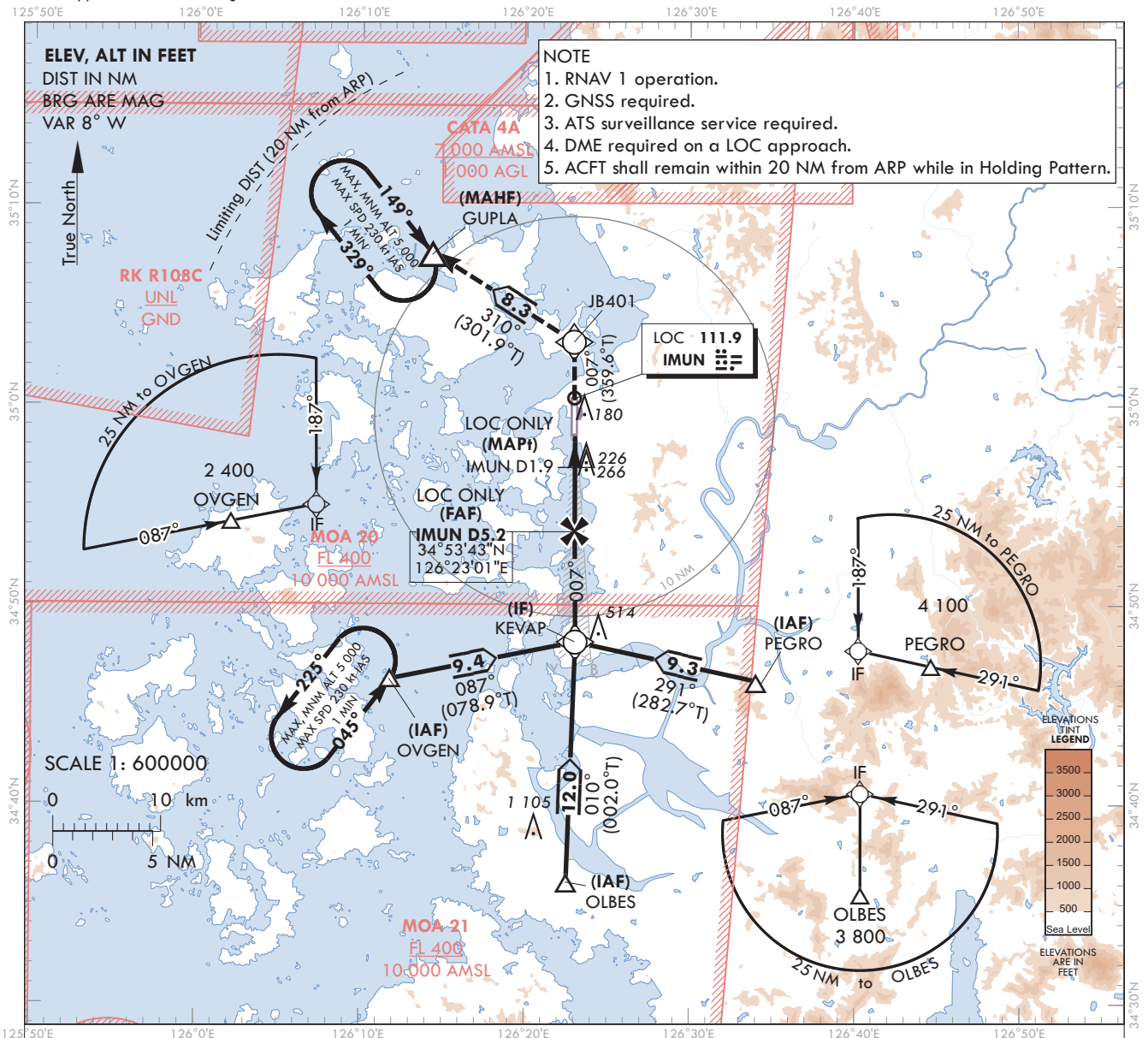
**AERODROME ELEV 51 ft**  
HEIGHTS RELATED TO  
THR RWY 01 - ELEV 32 ft

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 Procedures.

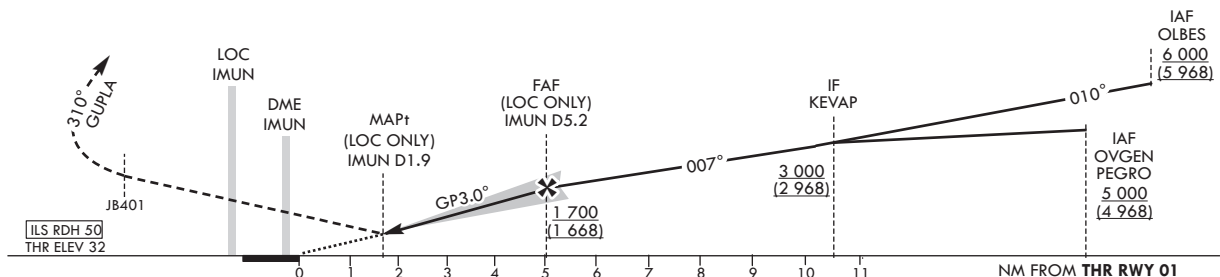


RECOMMENDED PROFILE(LOC ONLY)	DME IMUN	5	4	3	2
Final Approach Gradient 5.31%, 323 ft/NM	ALT(HGT)	1 645 (1 613)	1 322 (1 290)	999 (967)	660 (628)

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.



OCA (H)		A	B	C	D		Knots	60	90	120	150	180
Straight-in Approach	CAT-I	232 (200)				Rate of descent V/V fpm	318	478	637	796	955	
	LOC	660 (628)					* Timing Not authorized for defining MAPt. * Circling Not authorized.					

Change : Information of landing minima(OCA(H)).

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

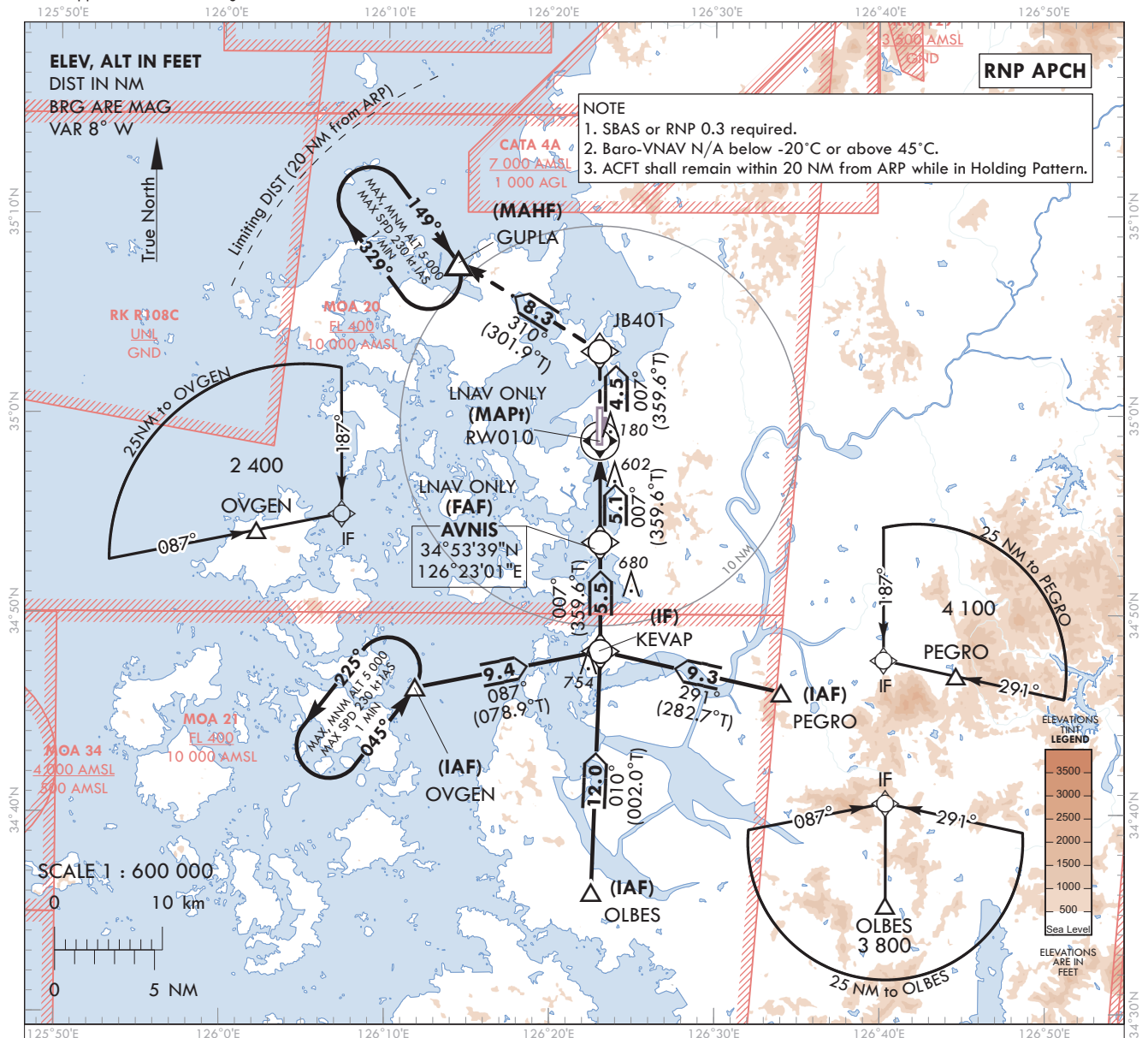
GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

KASS  
CH86099  
K01A  
RDH : 50

**MUAN/Muan Intl(RKJB)**

**RNP RWY 01**

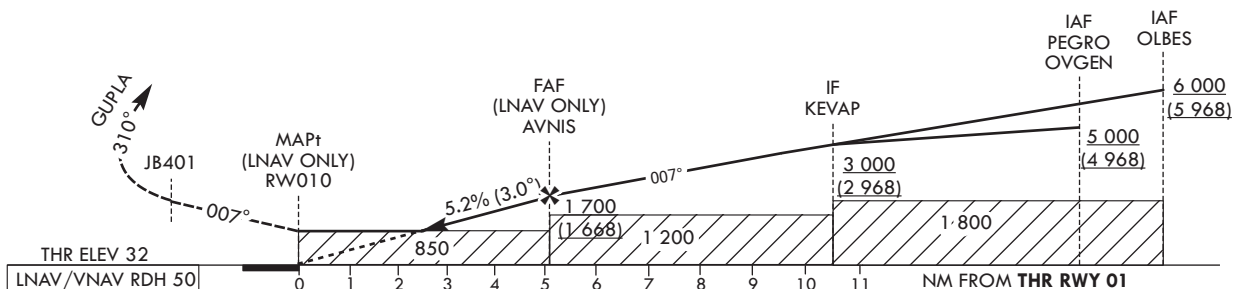
Note : Approach under ICAO Flight Procedures.



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.



OCA (H)		A	B	C	D
Straight-in Approach	LPV	320 (288)			
	LNAV/VNAV	790 (758)			
	LNAV	850 (818)			

Rate of descent	Knots	60	90	120	150	180
	V/V fpm	319	478	638	797	957
* Timing Not authorized for defining MAPt.						
* Circling Not authorized.						

Change : Information of landing minima(OCA(H)).

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

## AERONAUTICAL DATA TABULATION

## Instrument Approach Procedure Coding Tables

RNP RWY 01 - via OVGEN to KEVAPI(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 KEVAPI(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 KEVAPI(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 KEVAPI(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	-

MUAN/Muan Intl(RKJB)  
RNP RWY 01

## FAS DATA BLOCK INFORMATION

## INPUT DATA

Parameters	Values
Operation Type	0
SBAS Provider	6 (KASS)
Airport Identifier	RKJB
Runway	01
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	K01A
LTP/FTP Latitude	345843.6370N
LTP/FTP Longitude	1262258.4515E
LTP/FTP Ellipsoidal Height (metres)	+00336(+33.6m)
FPAP Latitude	350014.4945N
Delta FPAP Latitude (seconds)	90.8575
FPAP Longitude	1262257.8165E
Delta FPAP Longitude (seconds)	-0.6350
Threshold Crossing Height (TCH)	50.0(feet) / 15.2(m)
TCH Units Selector (Feet)	0
Glidepath Angle (GPA, degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
Horizontal Alert Limit (HAL, (meters)	40.0
Vertical Alert Limit (VAL, (meters)	50.0

## OUTPUT DATA

Data Block	60 02 0A 0B 12 01 00 00 01 31 30 0B 6A E2 02 0F 27 D7 3C 36 50 15 D3 C5 02 0A FB FF F4 01 2C 01 64 00 C8 FA F7 D9 C7 7B
Calculated CRC Value	F7D9C77B

Change : Information of FAS data block information.

**INTENTIONALLY**

**LEFT**

**BLANK**

**INSTRUMENT  
APPROACH  
CHART - ICAO**

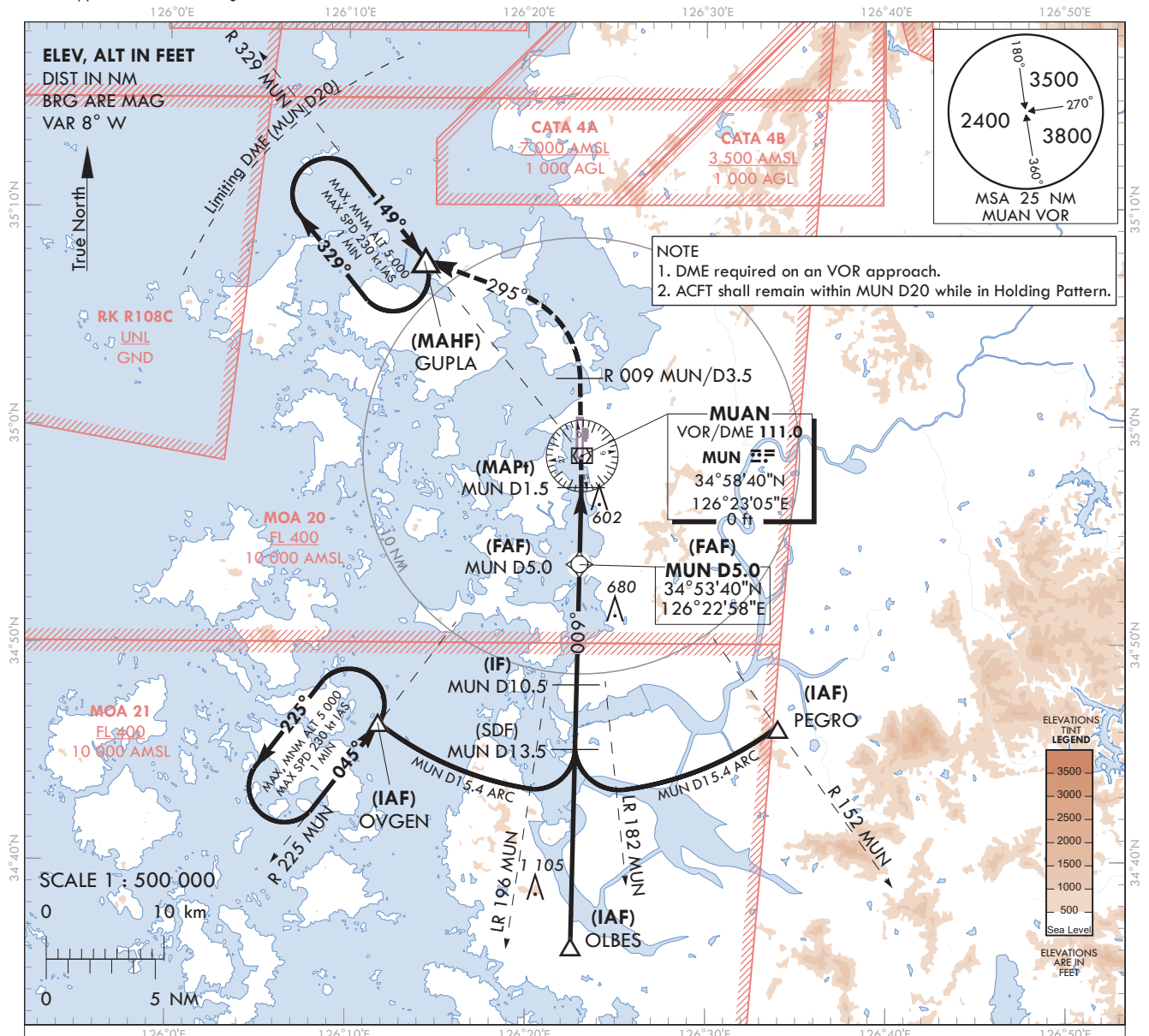
**AERODROME ELEV 51 ft**  
HEIGHTS RELATED TO  
THR RWY 01 - ELEV 32 ft

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 Procedures.

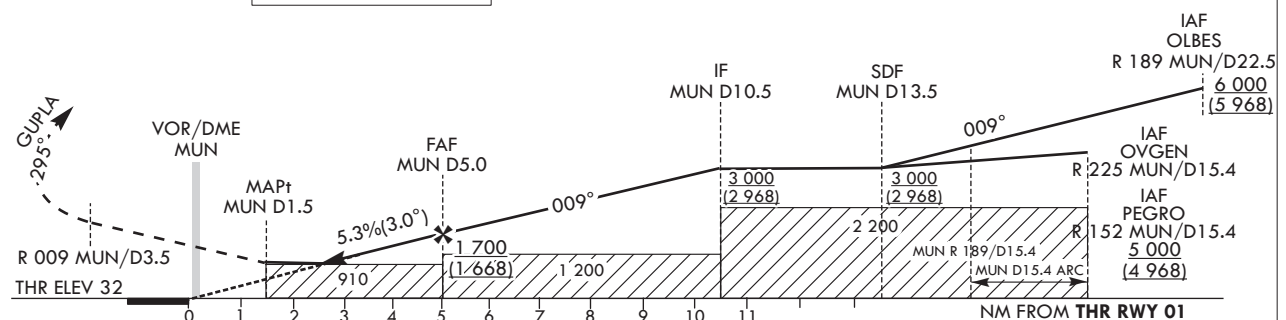


RECOMMENDED PROFILE	DME MUN	4	3	2.5
Final Approach Gradient 5.26%, 320 ft/NM	ALT(HGT)	1 381 (1 349)	1 061 (1 029)	910 (878)

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.



OCA (H)	A	B	C	D		Knots	60	90	120	150	180
Straight-in Approach	910 (878)				Rate of descent	V/V fpm	320	480	640	799	959
					* Circling Not authorized.						
					* Timing Not authorized for defining MAPt.						

Change : Information of landing minima(OCA(H)).

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



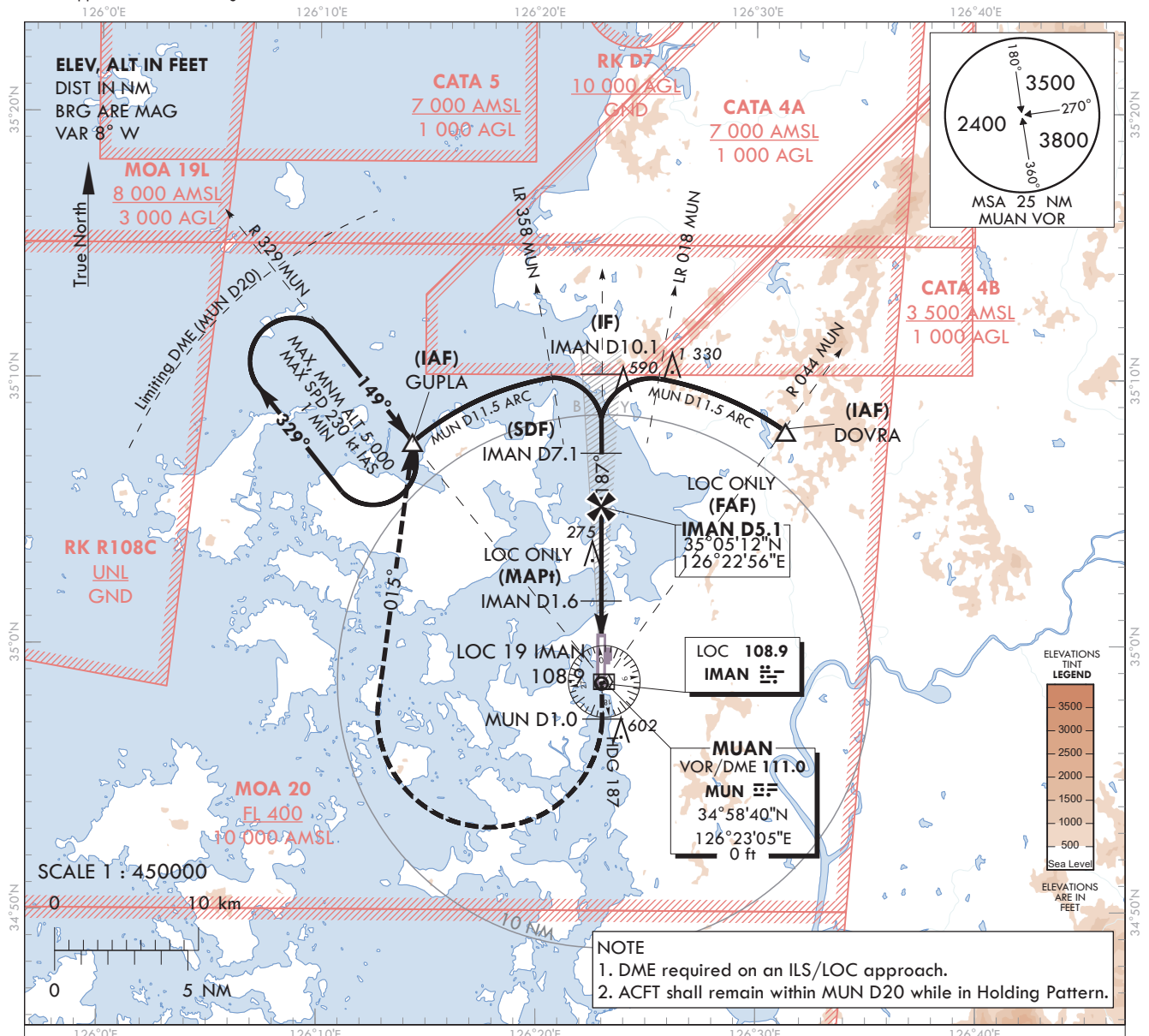
INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 51 ft  
HEIGHTS RELATED TO  
THR RWY 19 - ELEV 51 ft

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

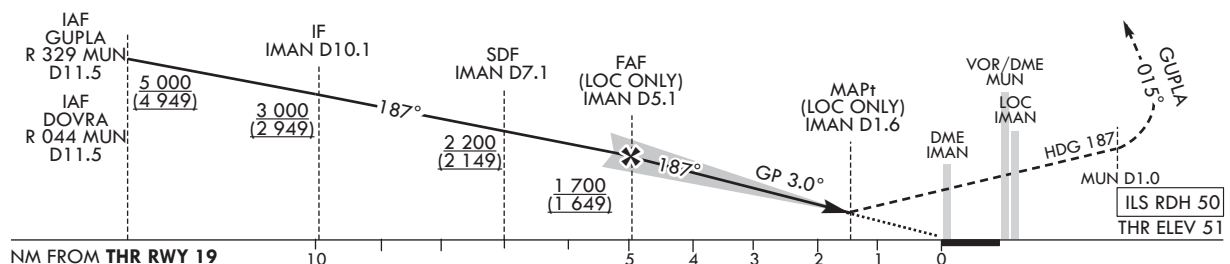
MUAN/Muan Intl(RKJB)

ILS Y or LOC Y RWY 19

Note : Approach under ICAO Flight Procedures.



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

OCA (H)		A	B	C	D							
Straight-in Approach	CAT-I (CG 2.5%)	414 (363)				Rate of descent	Knots	60	90	120	150	180
	CAT-I (CG 5.0%)	251 (200)					V/V fpm	318	478	637	796	955
	LOC	590 (539)					* Timing Not authorized for defining MAPt. * Circling Not authorized.					

Change : Information of landing minima(OCA(H)).

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

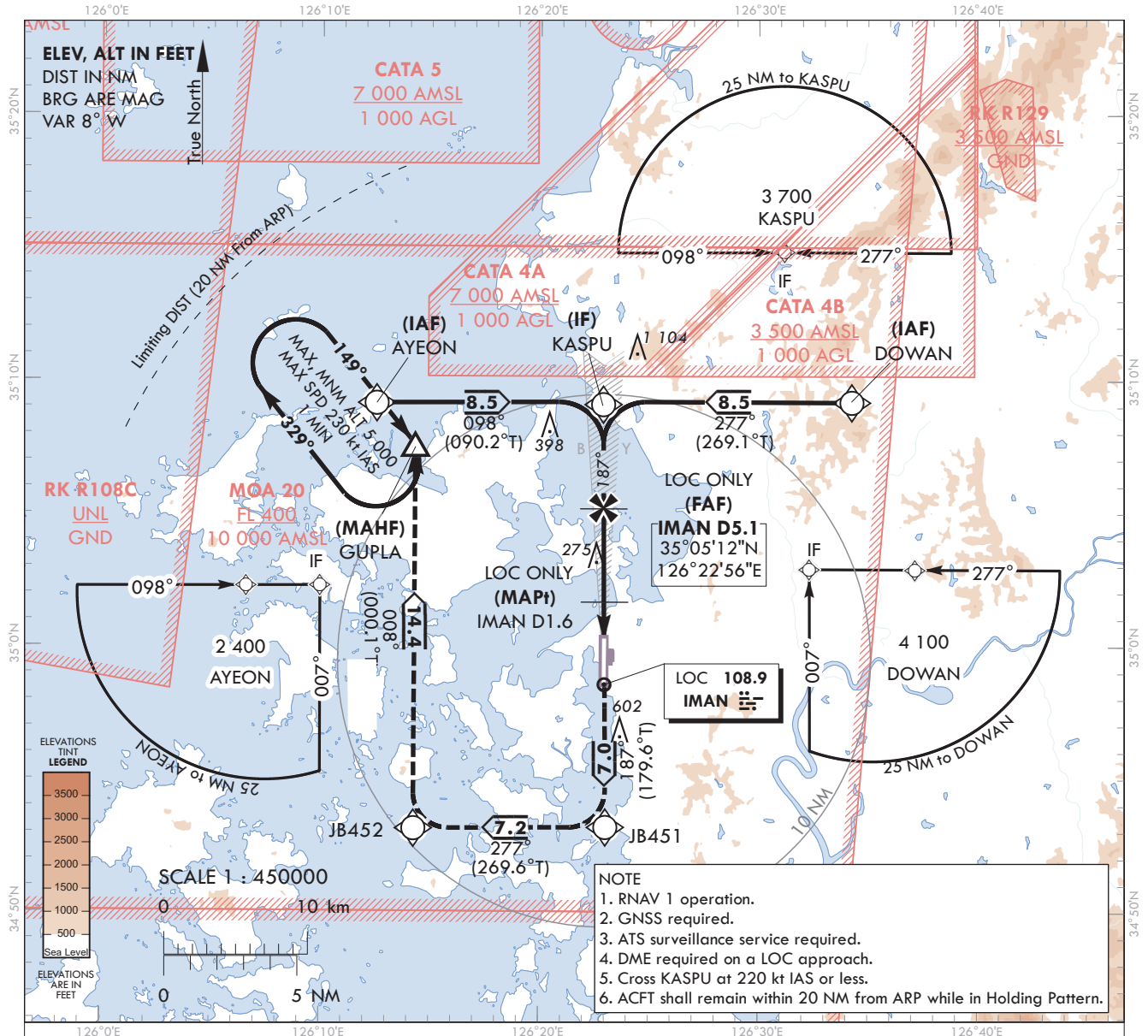
INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 51 ft  
HEIGHTS RELATED TO  
THR RWY 19 - ELEV 51 ft

GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

MUAN/Muan Intl(RKJB)

ILS Z or LOC Z RWY 19

Note : Approach under ICAO Flight Procedures.

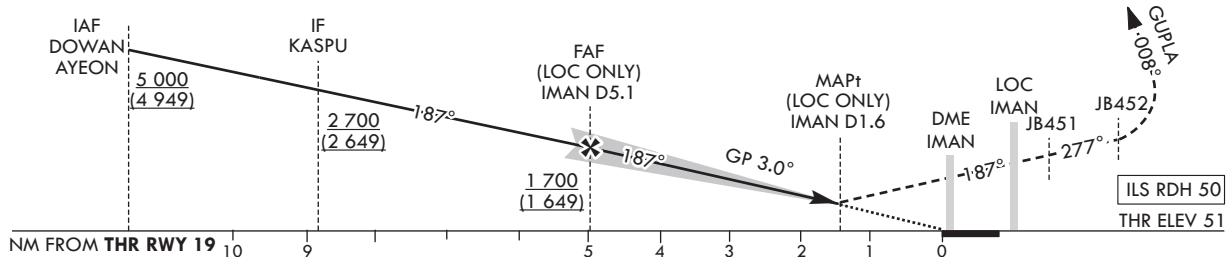


## MISSED APPROACH

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.

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)

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

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

OCA (H)		A	B	C	D						
Straight-in Approach	CAT-I (CG 2.5%)	414 (363)				Knots	60	90	120	150	180
	CAT-I (CG 5.0%)	251 (200)				Rate of descent V/V fpm	318	478	637	796	955
	LOC	590 (539)				* Timing Not authorized for defining MAPt. * Circling Not authorized.					

Change : Information of landing minima(OCA(H)).

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**

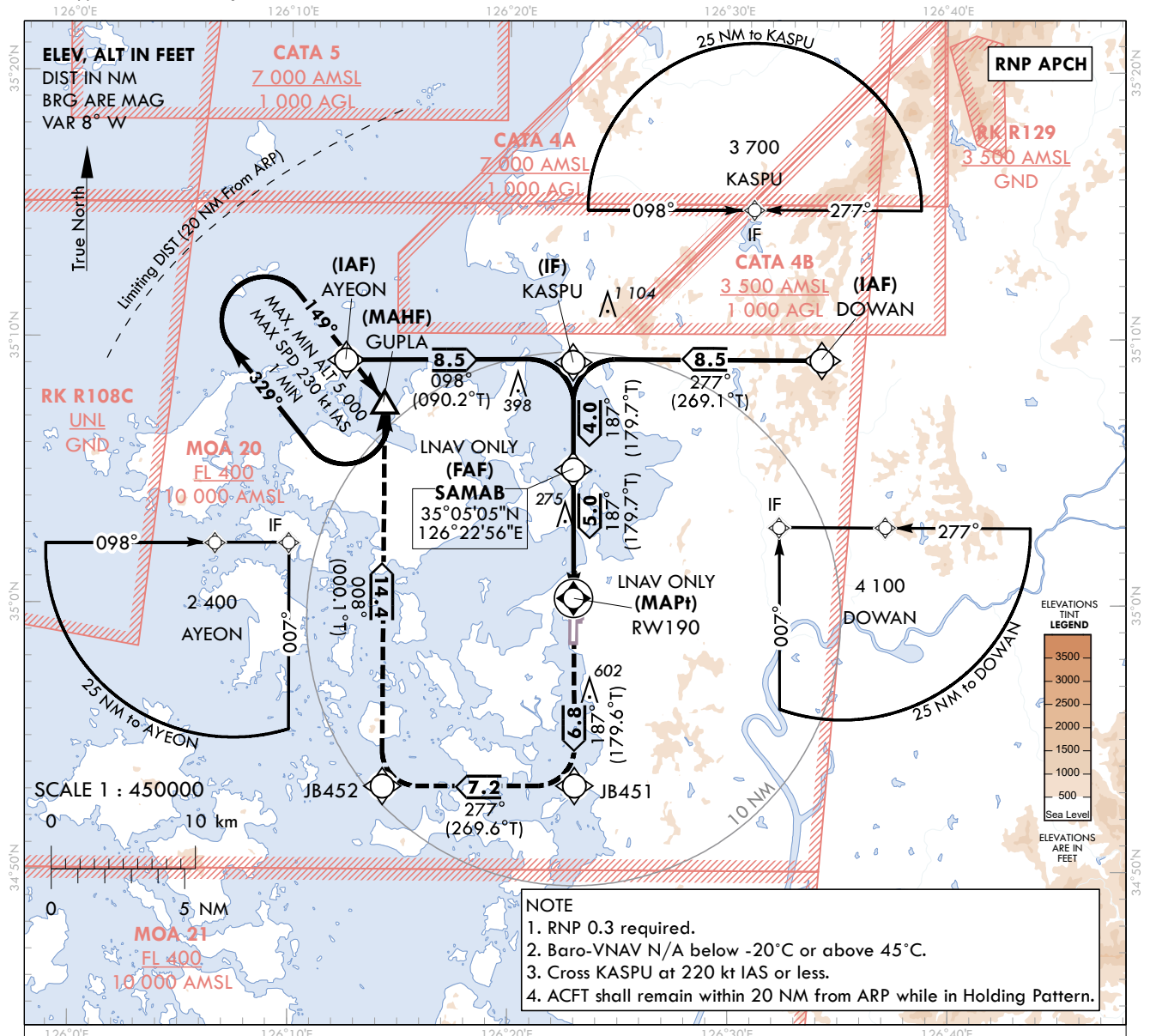
**AERODROME ELEV 51 ft**  
HEIGHTS RELATED TO  
THR RWY 19 - ELEV 49 ft

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 Procedures.

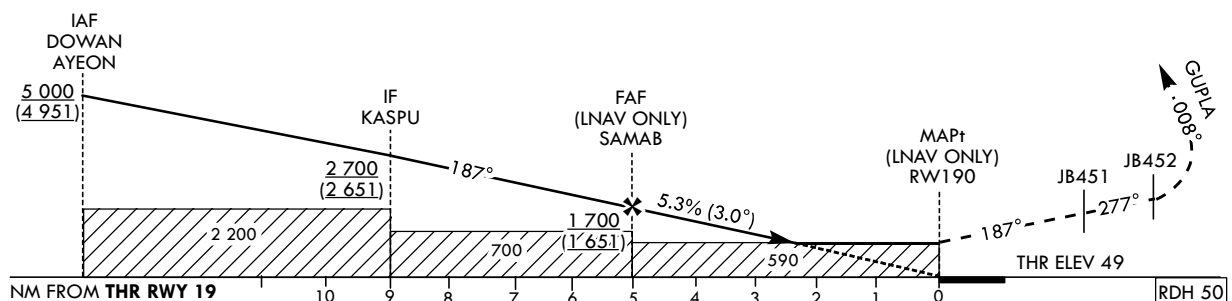


TRANSITION ALT 14 000  
TRANSITION LVL FL 140

**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.

\* Missed approach turns are limited to maximum of 220 kt IAS.



OCA (H)		A	B	C	D		Knots	60	90	120	150	180
Straight-in Approach	LNAV/VNAV	460 (411)				Rate of descent	V/V fpm	320	480	640	800	1280
	LNAV	590 (541)				* Timing Not authorized for defining MAPt. * Circling Not authorized.						

Change : Information of instrument approach procedure for RWY 19, THR ELEV and landing minima(OCA(H)).

MUAN/Muan Intl(RKJB)  
RNP RWY 19

## 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(LNAV/VNAV or LNAV) - 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	SAMAB	-	187(179.7)	4.0	-	+1 700	-	35°05'05.2"N 126°22'55.8"E	-	RNP APCH	FAF
004	TF	RW190	Y	187(179.7)	5.0	-	+590	-	35°00'04.76"N 126°22'57.88"E	-3.02/50	RNP APCH	MAPt
005	TF	JB451	-	187(179.6)	6.8	-	-	-220	34°53'13.8"N 126°23'01.0"E	-	RNP APCH	-
006	TF	JB452	-	277(269.6)	7.2	-	-	-220	34°53'10.9"N 126°14'17.1"E	-	RNP APCH	-
007	TF	GUPLA	Y	008(000.1)	14.4	-	-	-220	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	<sup>1</sup> MIN (Outbound timing)

Change : Information of instrument approach procedure for RWY 19.



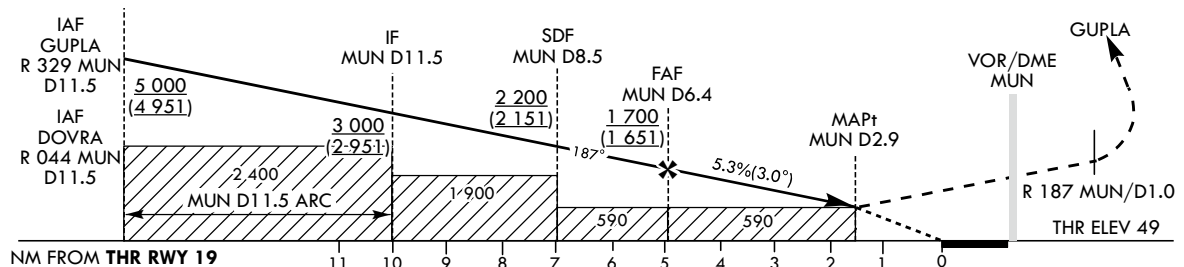
GWANGJU APP	120.475	130.0
	228.9	265.5
MUAN TWR	118.25	118.85

**VOR RWY 19**

RECOMMENDED PROFILE	DME MUN	6	5	4	3
Final Approach Gradient 5.28%, 321 ft/NM	ALT(HGT)	1 572 (1 523)	1 251 (1 202)	930 (881)	609 (560)

Climb straight ahead until MUN to intercept  
R 187 MUN/D1 turn right direct to GUPLA  
and Hold at 5 000 ft.

TRANSITION ALT	14 000
TRANSITION LVL	FL 140



					Knots	60	90	120	150	180
OCA (H)	A	B	C	D	Rate of descent V/V fpm	321	481	642	802	963
Straight-in Approach	590 (541)				* Circling Not authorized. * Timing Not authorized for defining the MAPt.					

Change : Information of instrument approach procedure for RWY 19, THR ELEV and landing minima(OCA(H)).

MUAN/Muan Intl(RKJB)  
VOR RWY 19

## AERONAUTICAL DATA TABULATION

VOR Approach to RWY 19 from GUPLA(IAF) or DOVRA(IAF)			
Fix/point		Coordinates	
GUPLA(IAF)	BRG 328.99°/11.5 NM MUN	35°07'37.8"N	126°14'18.1"E
DOVRA(IAF)	BRG 043.99° /11.5 NM MUN	35°07'57.8"N	126°31'22.0"E
D11.5 MUN(IF)	BRG 006.98°/11.5 NM MUN	35°10'11.0"N	126°22'53.1"E
D8.5 MUN(SDF)	BRG 007.00°/8.5 NM MUN	35°07'10.7"N	126°22'56.4"E
D6.4 MUN(FAF)	BRG 007.01°/6.4 NM MUN	35°05'04.5"N	126°22'58.8"E
D2.9 MUN(MAPt)	BRG 007.09°/2.9 NM MUN	35°01'34.2"N	126°23'02.7"E
THR RWY 19	Final approach descent angle 3.02°	35°00'04.76"N	126°22'57.88"E
MUN VOR/DME		34°58'40.0"N	126°23'05.4"E
D1.0 MUN	BRG 187.11/1.0 NM MUN	34°57'39.9"N	126°23'06.3"E
GUPLA	BRG 328.99°/11.5 NM MUN	35°07'37.8"N	126°14'18.1"E

Change : Information of instrument approach procedure for RWY 19.