

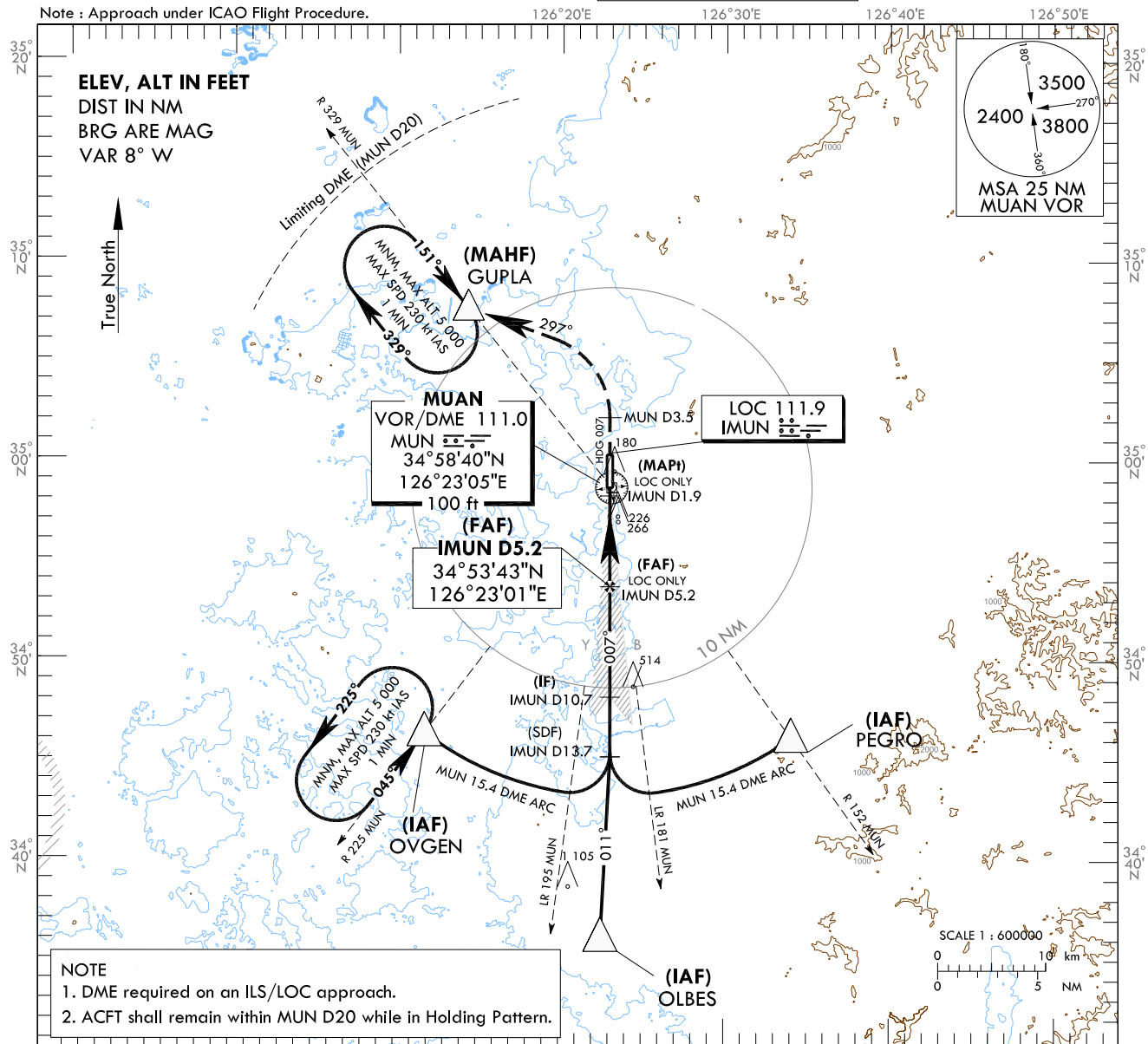
**INSTRUMENT  
APPROACH  
CHART - ICAO**

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

GWANGJU APP 120.475 130.0  
228.9 265.5  
MUN TWR 118.25 118.85

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

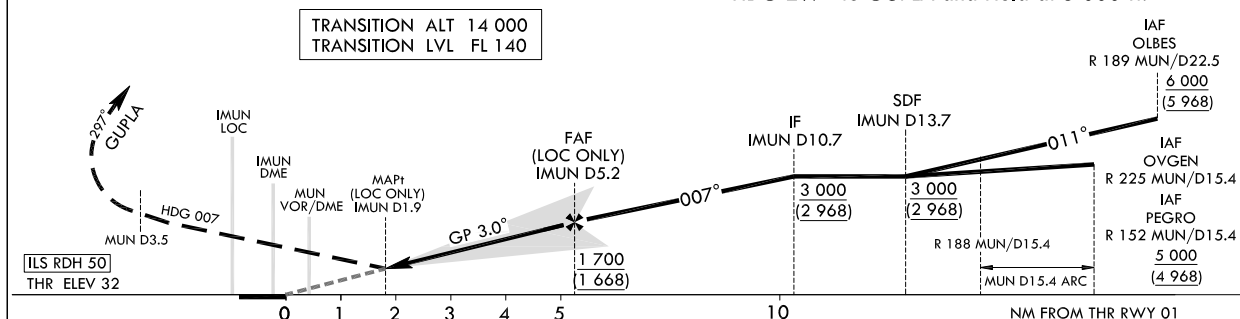
Note : Approach under ICAO Flight Procedure.



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

**MISSED APPROACH**

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



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

Change : Information of instrument approach procedure for RWY 01.

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

## AERONAUTICAL DATA TABULATION

| ILS 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                                                 | 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  |

Change : Information of instrument approach procedure for RWY 01.

**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 or LOC Z RWY 01**

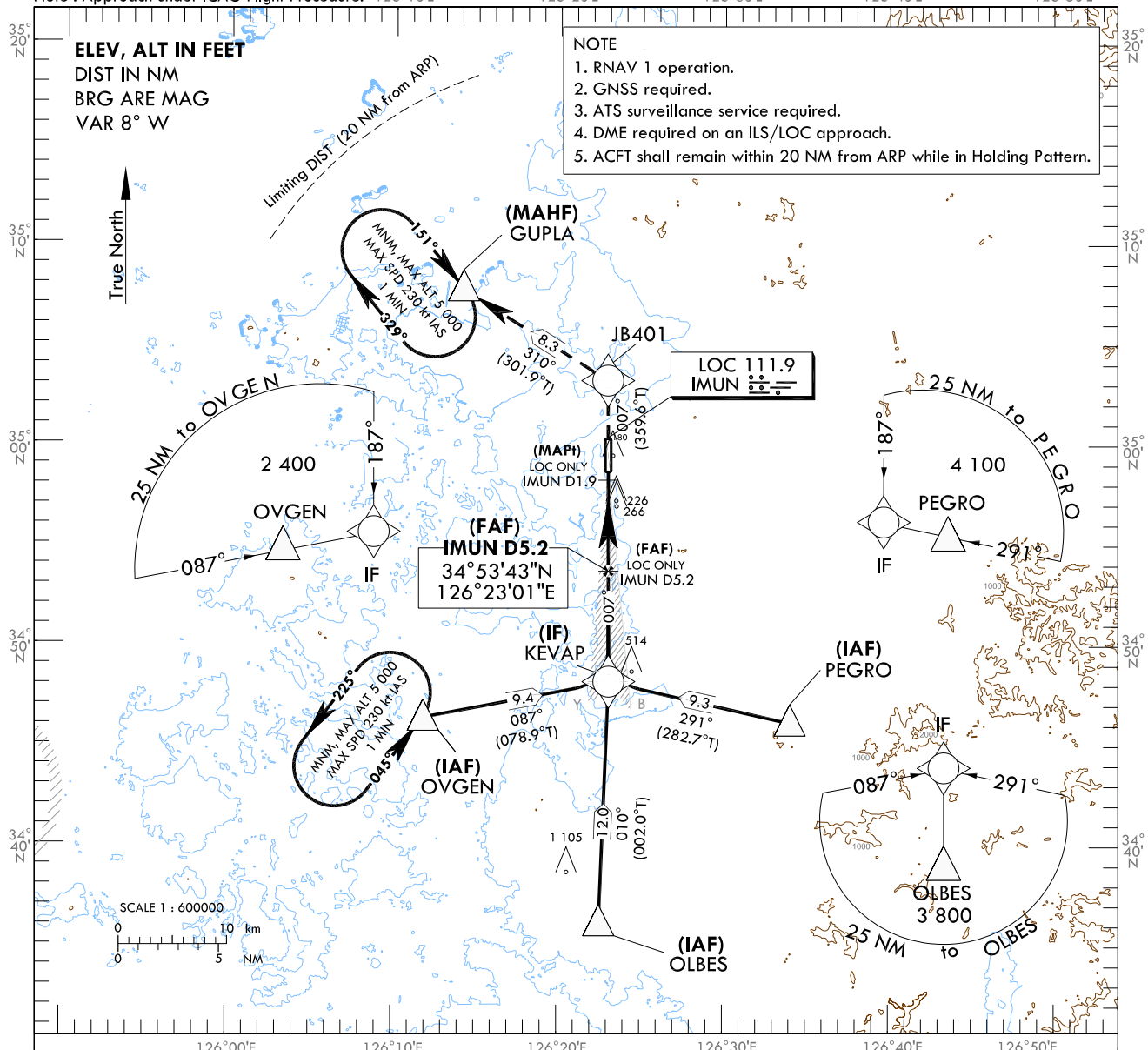
Note : Approach under ICAO Flight Procedure. 126°10'E

126°20'E

126°30'E

126°40'E

126°50'E

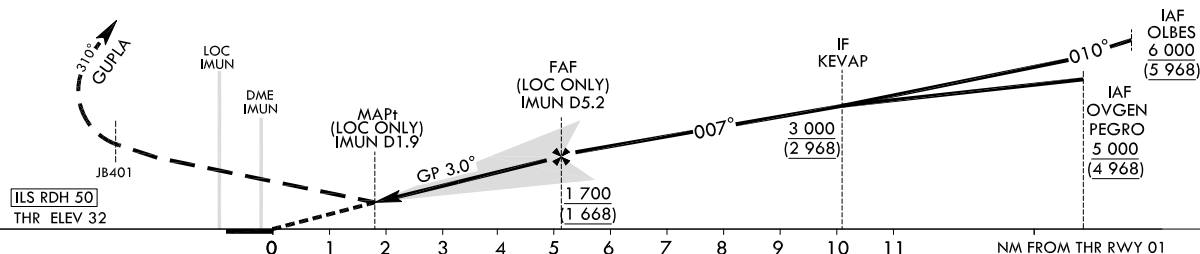


| RECOMMENDED PROFILE(LOC ONLY)            | DME IMUN | 5                | 4                | 3            | 2            |
|------------------------------------------|----------|------------------|------------------|--------------|--------------|
| Final Approach Gradient 5.31%, 323 ft/NM | ALT(HGT)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

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

**MISSSED APPROACH**

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



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

Change : Information of instrument approach procedure for RWY 01.

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

**AERONAUTICAL DATA TABULATION**

| ILS 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                                                 | 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  |

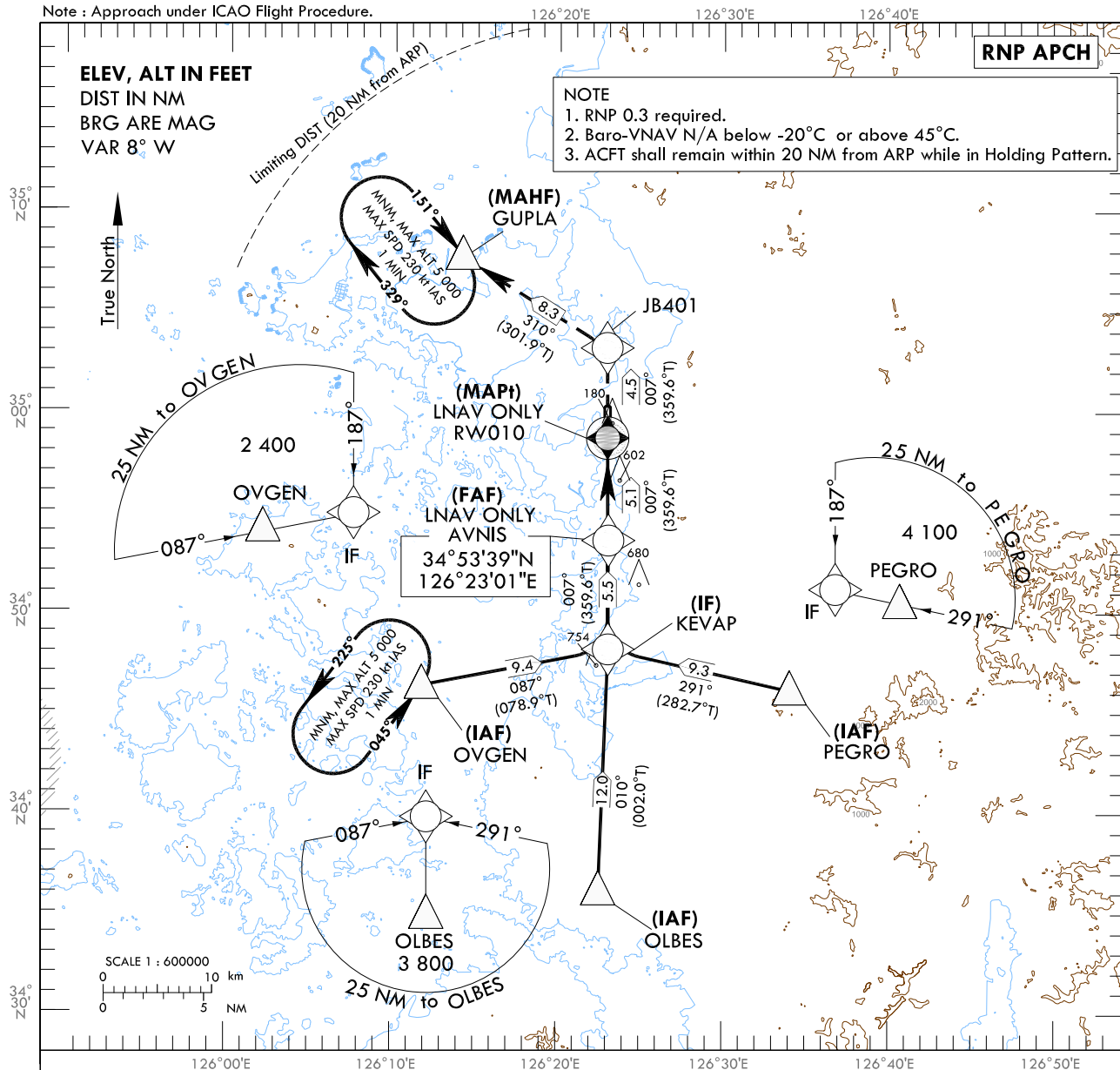
Change : Information of instrument approach procedure for RWY 01.

**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 |

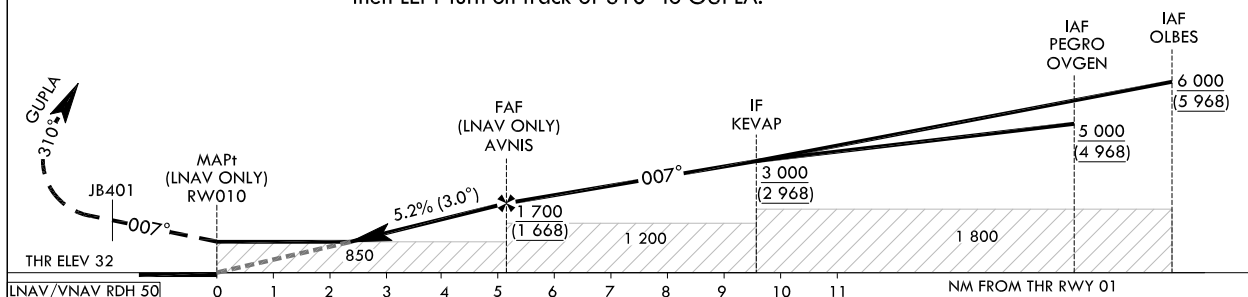
**MUAN/Muan Intl(RKJB)  
RNP RWY 01**

Note : Approach under ICAO Flight Procedure.



|            |     |        |
|------------|-----|--------|
| TRANSITION | ALT | 14 000 |
| TRANSITION | LVL | FL 140 |

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



| 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.<br>* Circling Not authorized. |
|          |           | ALS INOP | (818)        | 3 800 m |   |   |                 |         |       |     |     |     |     |                                                                          |

Change : Information of instrument approach procedure for RWY 01.

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        | 151(141.1)          | -             | R              | @5 000        | -230       | 35°07'37.8"N 126°14'18.1"E   | -        | RNP APCH                 | 1 min<br>(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                   | -       |

Change : Information of instrument approach procedure for RWY 01.

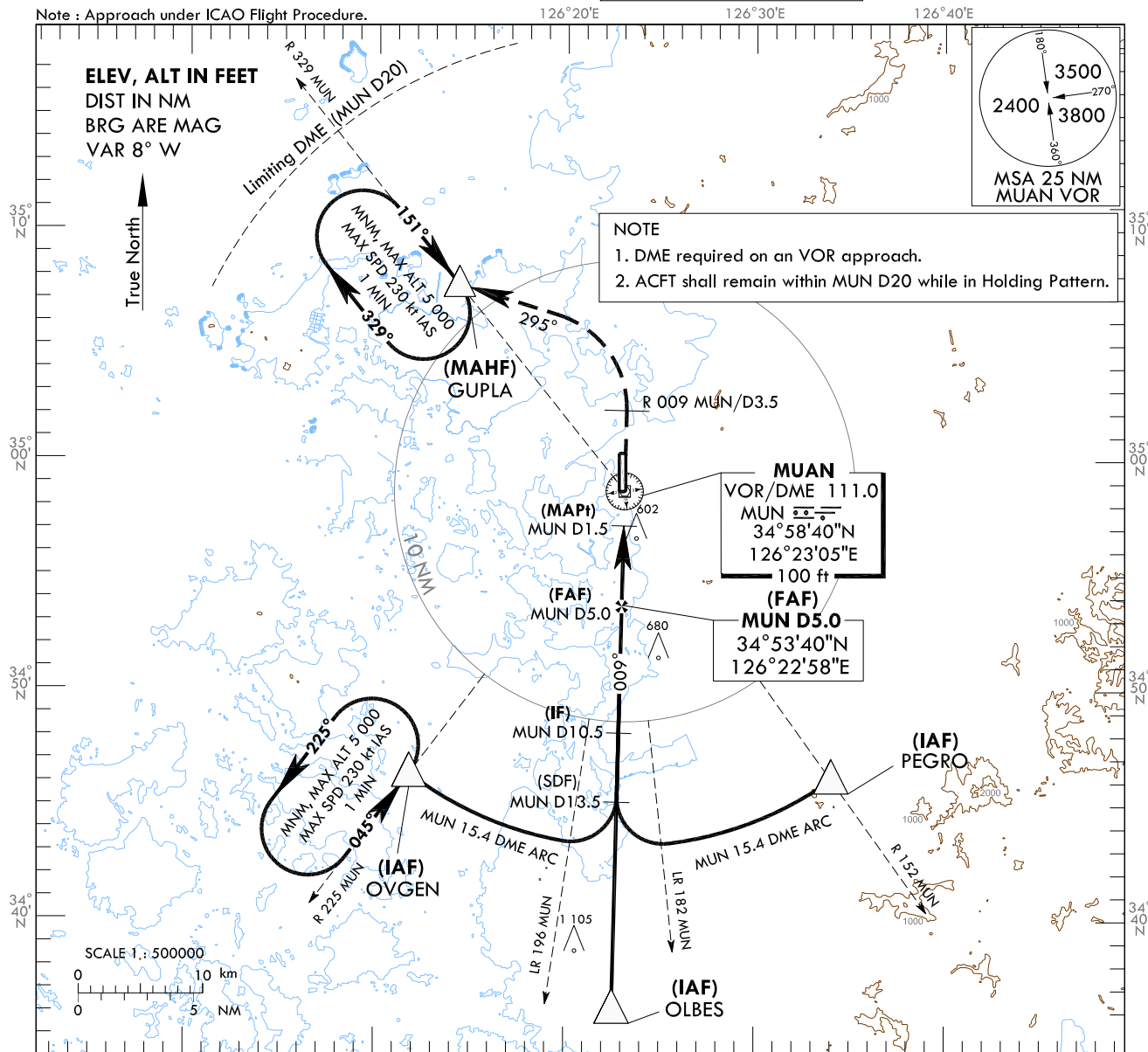
**INSTRUMENT  
APPROACH  
CHART - ICAO**

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

GWANGJU APP 120.475 130.0  
228.9 265.5  
MUN TWR 118.25 118.85

**MUAN/Muan Intl(RKJB)  
VOR RWY 01**

Note : Approach under ICAO Flight Procedure.

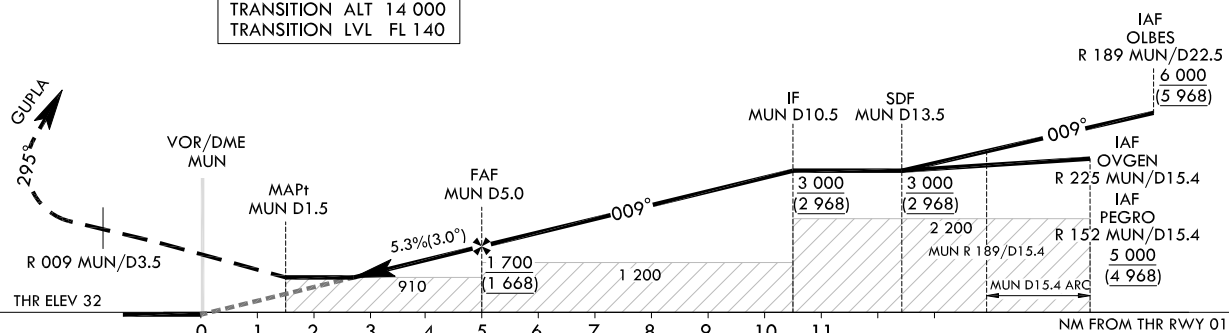


| RECOMMENDED PROFILE                      | DME MUN  | 4                | 3                | 2.5          |
|------------------------------------------|----------|------------------|------------------|--------------|
| Final Approach Gradient 5.26%, 320 ft/NM | ALT(HGT) | 1 381<br>(1 349) | 1 061<br>(1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

**MISSED APPROACH**

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

TRANSITION ALT 14 000  
TRANSITION LVL FL 140



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

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

Change : Information of instrument approach procedure for RWY 01.

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                                        |                        | 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  |

Change : Information of instrument approach procedure for RWY 01.

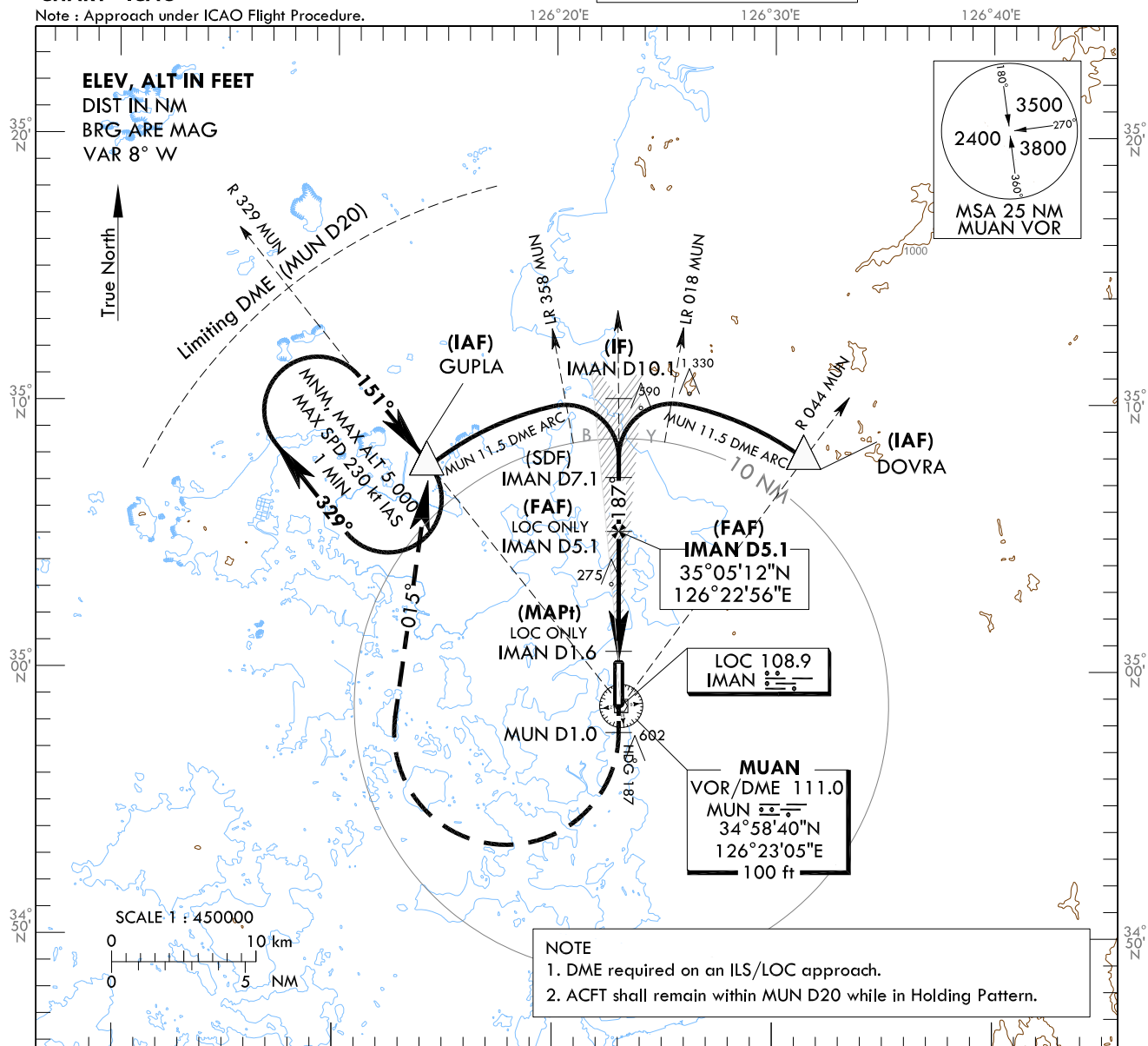
**INSTRUMENT  
APPROACH  
CHART - ICAO**

**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 or LOC Y RWY 19**

Note : Approach under ICAO Flight Procedure.



| RECOMMENDED PROFILE(LOC ONLY)            |  | DME IMAN                                       | 5                | 4                | 3              | 2            | 1.7          |                                                                                                                   |          |
|------------------------------------------|--|------------------------------------------------|------------------|------------------|----------------|--------------|--------------|-------------------------------------------------------------------------------------------------------------------|----------|
| Final Approach Gradient 5.31%, 323 ft/NM |  | ALT(HGT)                                       | 1 660<br>(1 609) | 1 338<br>(1 287) | 1 015<br>(964) | 692<br>(641) | 590<br>(539) | 126°30'E                                                                                                          | 126°40'E |
|                                          |  | TRANSITION ALT 14 000<br>TRANSITION LVL FL 140 |                  |                  |                |              |              | <b>MISSED APPROACH</b><br>Climb on HDG 187° to MUN D1.0 then turn right<br>HDG 015°to GUPLA and Hold at 5 000 ft. |          |

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

Change : Information of instrument approach procedure for RWY 19.

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

## AERONAUTICAL DATA TABULATION

| ILS 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 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°58'40.0"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  |

Change : Information of instrument approach procedure for RWY 19.

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

|             |         |        |
|-------------|---------|--------|
| GWANGJU APP | 120.475 | 130.0  |
|             | 228.9   | 265.5  |
| MUAN TW R   | 118.25  | 118.85 |

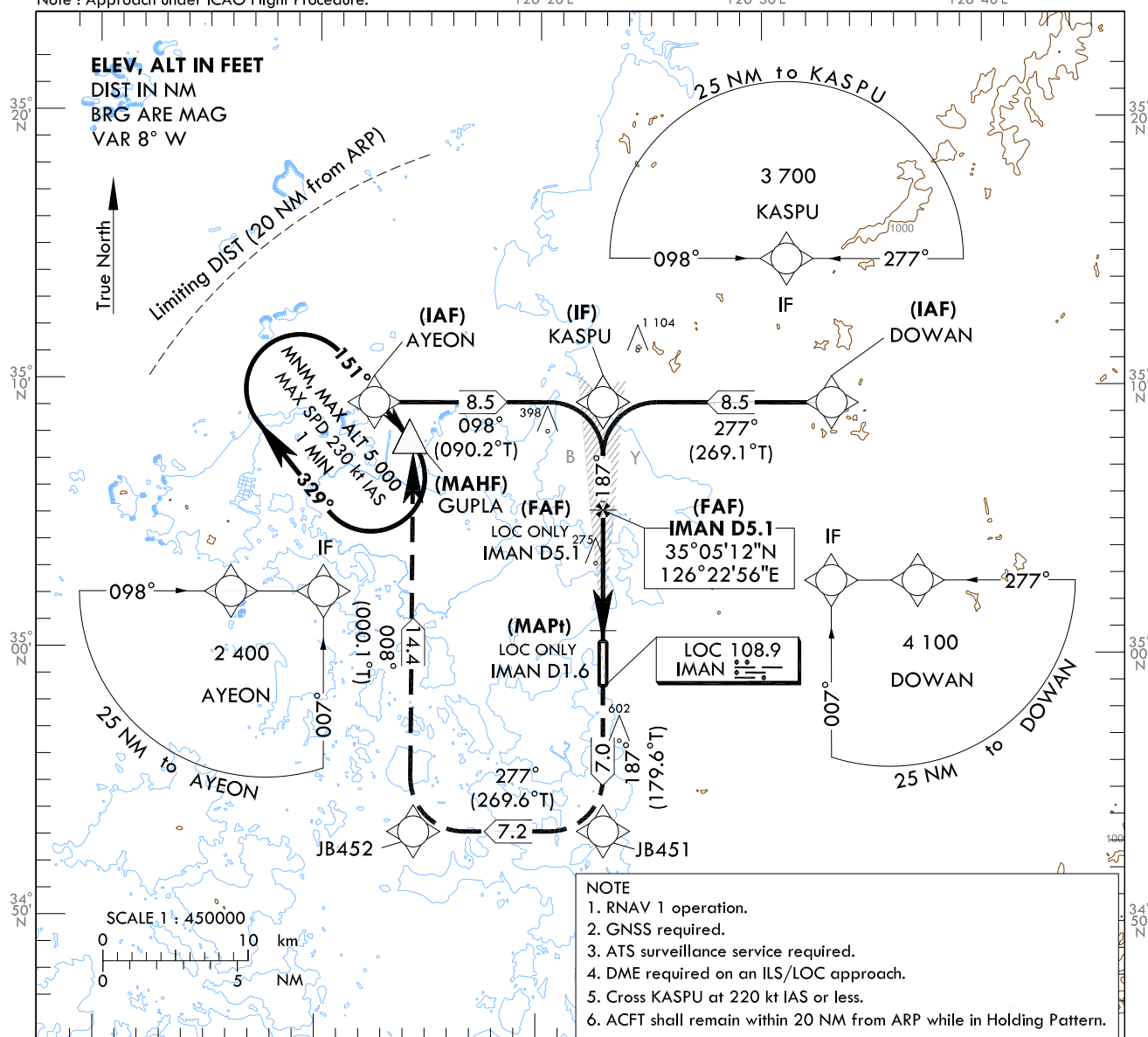
**MUAN/Muan Intl(RKJB)  
ILS or LOC Z RWY 19**

Note : Approach under ICAO Flight Procedure.

126°20'E

126°30'E

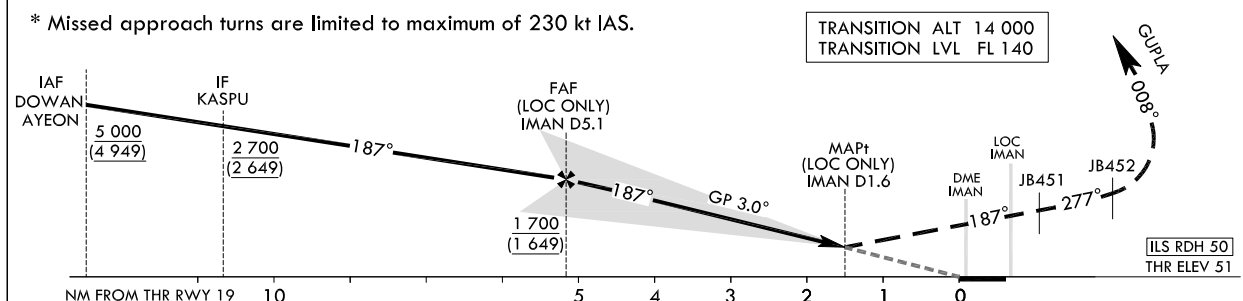
126°40'E



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 230 kt IAS.

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



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

Change : Information of instrument approach procedure for RWY 19.

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

AERONAUTICAL DATA TABULATION

| ILS 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                                          |                          | 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  |

Change : Information of instrument approach procedure for RWY 19.

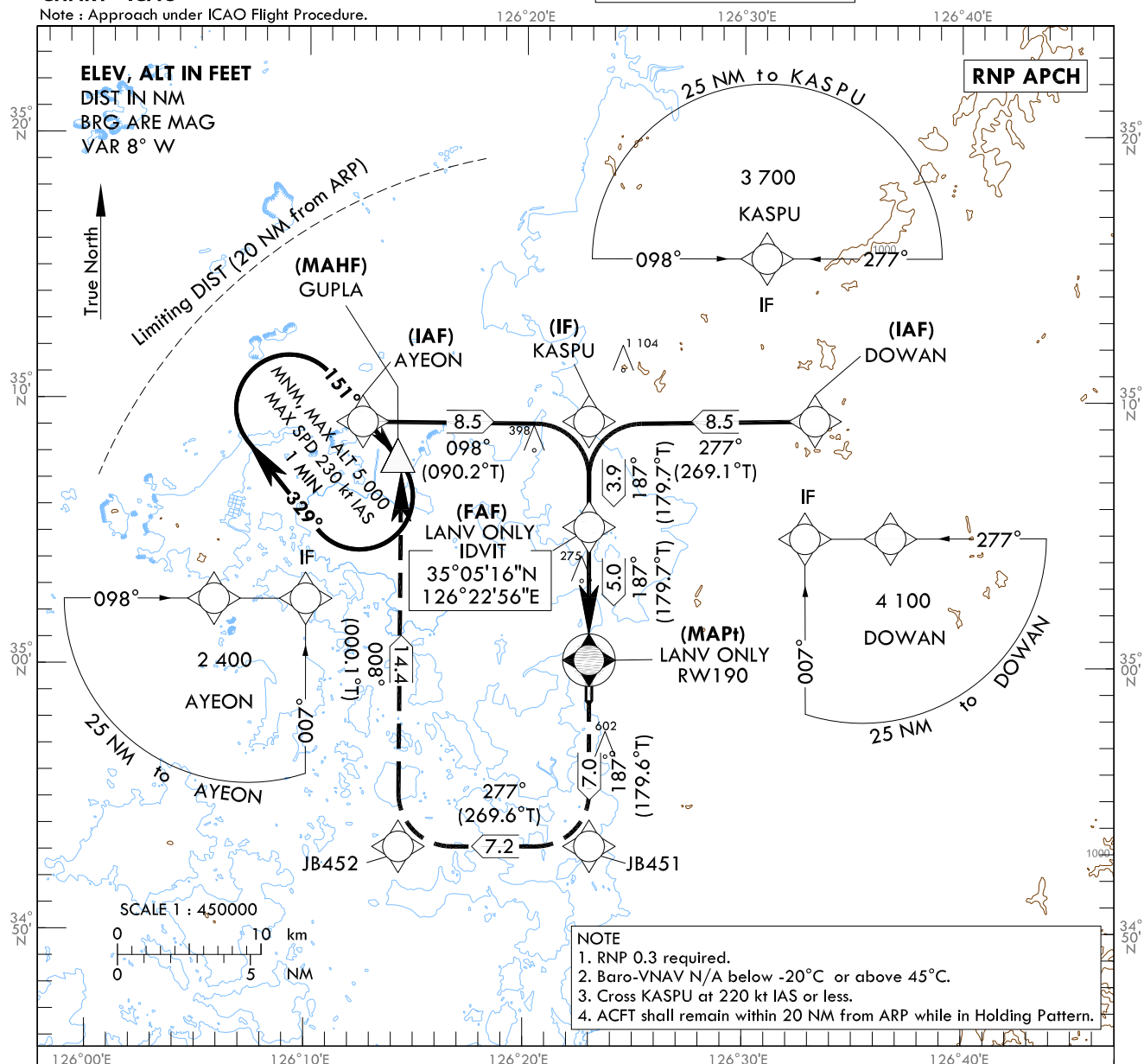
**INSTRUMENT  
APPROACH  
CHART - ICAO**

**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

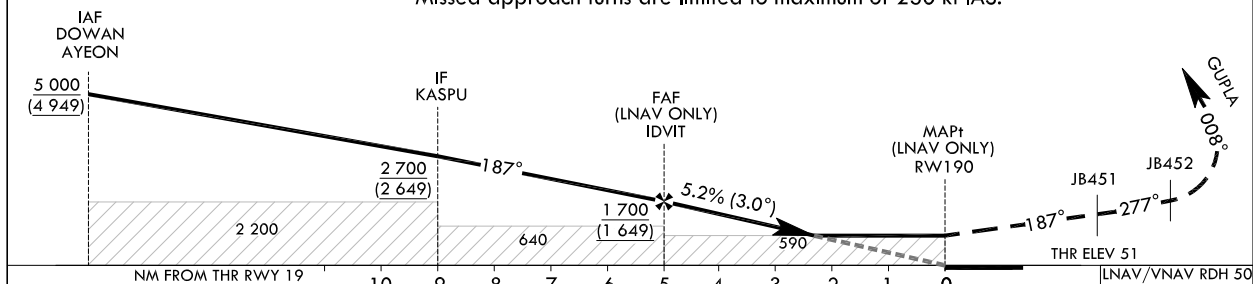
**MUAN/Muan Intl(RKJB)**  
**RNP RWY 19**

Note : Approach under ICAO Flight Procedure.



**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 230 kt IAS.



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

Change : Information of instrument approach procedure for RWY 19.

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<br>°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<br>°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<br>°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        | 151(141.1)             | -             | R              | @5 000        | -230       | 35°07'37.8"N 126°14'18.1"E   | -        | RNP APCH                 | <sup>1</sup> min<br>(Outbound timing) |

Change : Information of instrument approach procedure for RWY 19.

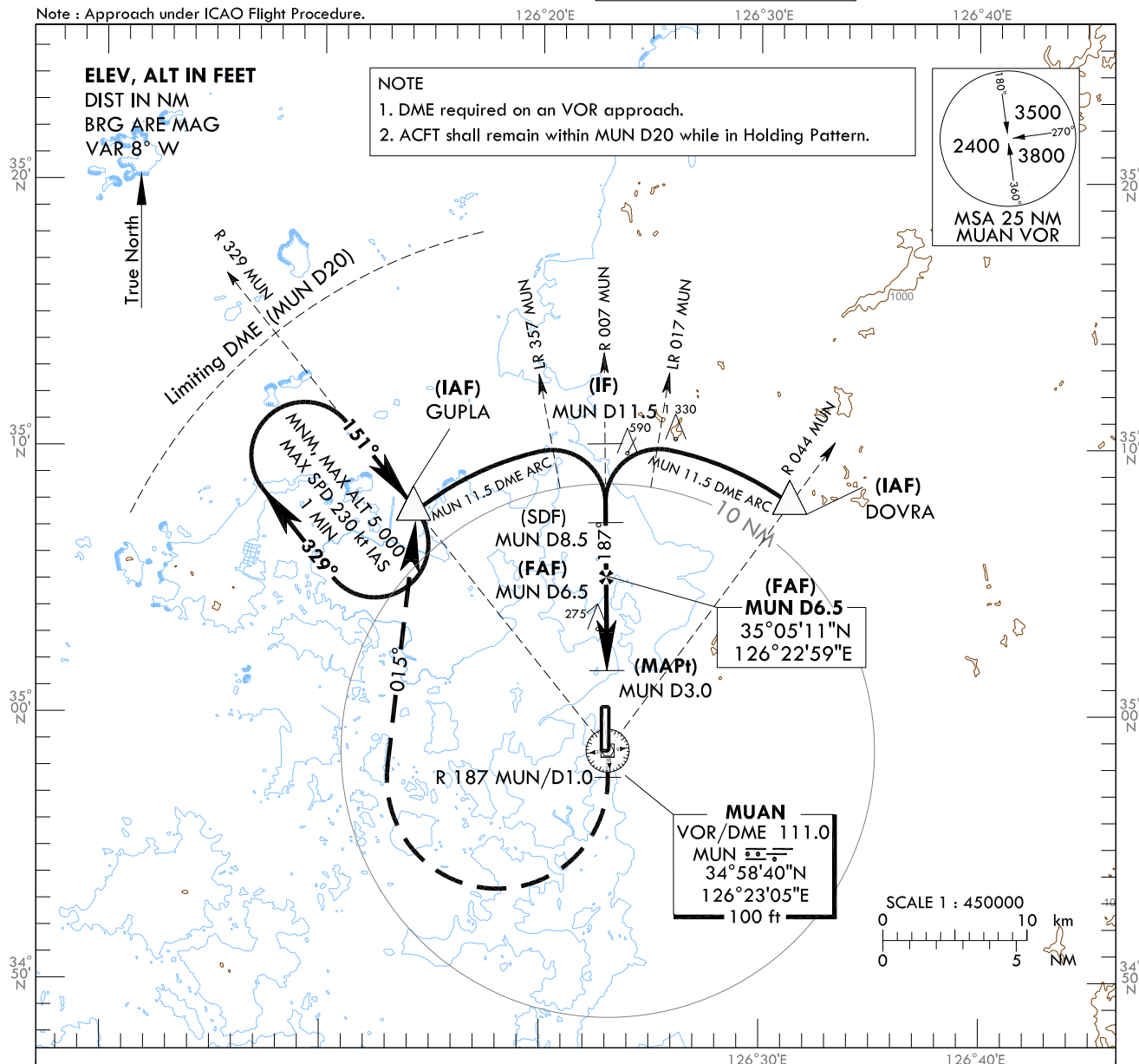
**INSTRUMENT  
APPROACH  
CHART - ICAO**

**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)  
VOR RWY 19**

Note : Approach under ICAO Flight Procedure.

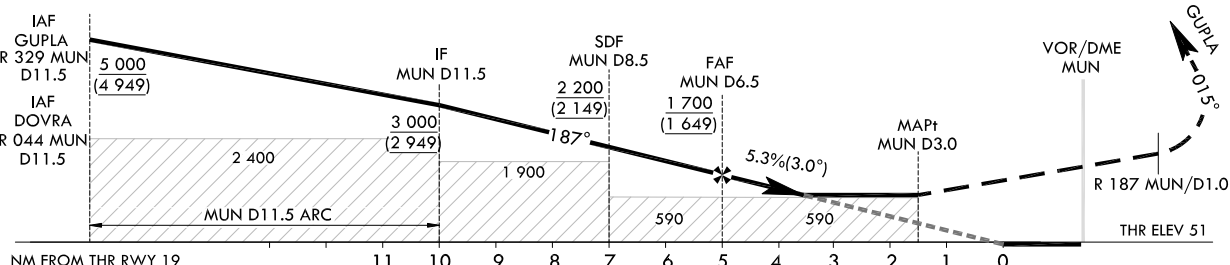


| RECOMMENDED PROFILE                      | DME MUN  | 6                | 5                | 4            | 3.1          |
|------------------------------------------|----------|------------------|------------------|--------------|--------------|
| Final Approach Gradient 5.35%, 325 ft/NM | ALT(HGT)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



|          |          |              |         |   |   |   |                 | Knots                                                                        | 60  | 90  | 120 | 150 | 180 |
|----------|----------|--------------|---------|---|---|---|-----------------|------------------------------------------------------------------------------|-----|-----|-----|-----|-----|
| CATEGORY |          | MDA/(MDH)    | A       | B | C | D | Rate of descent | V/V fpm                                                                      | 325 | 487 | 649 | 811 | 974 |
| STA      | FULL     | 590<br>(539) | 2 100 m |   |   |   |                 | * Circling Not authorized.<br>* Timing Not authorized for defining the MAPt. |     |     |     |     |     |
|          | ALS INOP |              | 2 800 m |   |   |   |                 |                                                                              |     |     |     |     |     |

Change : Information of instrument approach procedure for RWY 19.

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                                 |                        | 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  |

Change : Information of instrument approach procedure for RWY 19.