

GWANGJU DEP	124.0
	347.2
MUAN TWR	118.25
	118.85

MUAN/Muan Intl(RKJB)
RWY 01
RNAV MAKSA 1N
RNAV DOTOL 1N

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

True North

3200
2400
3800
180°
270°
360°

MSA 25 NM
MUAN ARP

CATA 5
7 000 AMSL
1 000 AGL

RK R104
FL 150
GND

MOA 19H MANGI
FL 400
10 000 AMSL
MOA 19L
8 000 AMSL
3 000 AGL

RK D7
FL 150
10 000 AMSL

CATA 4A
7 000 AMSL
1 000 AGL

CATA 4B
3 500 AMSL
1 000 AGL

RK R129
3 500 AMSL
GND

MAKSA 1N
7.3
013°
100.5°

JB808

JB809
8.0
03°
104.8°

NAKZY
6 000

DALSU

RK R14

SAMUL

MOA 20
FL 400
10 000 AMSL

JB802
4 000

JB803
4 000

JB804
6 000

DOTOL IN
13.9
087°
107.9°

JB805
9 000

JB806
5.5
193°
185.0°

JB807
13 000

DOTOL

IPDAS

KAMIT

MOA 21
FL 400
10 000 AMSL

MOA 25H
FL 400
10 000 AMSL

MOA 25L
9 000 AMSL
3 000 AGL

RK R117
3 000 AMSL
GND

MOA 34
10 000 AMSL
500 AMSL

MOA 35
10 000 AMSL
500 AMSL

GENERAL INFORMATION

1. 5.5% (MAKSA 1N : 7.0%) climb is required for ATC purpose.
2. Departure turns are limited to maximum of 230 kt IAS until JB802.
3. Departure turns are limited to maximum of 290 kt IAS until JB808.

RNAV DOTOL ONE NOVEMBER DEPARTURE
: JB801 - JB802 - JB803 - JB804 - JB805 - JB806 - JB807 - DOTOL

RNAV MAKSA ONE NOVEMBER DEPARTURE
: PIGGY - NAKZY - JB809 - JB808 - MAKSA

0 10 km
5 NM

1. RNAV 1 operation.
2. GNSS required.
3. ATS surveillance service required.

AIRAC AIP AMDT 12/20
Effective : 1600UTC 30 DEC 2020

MUAN/Muan Intl(RKJB)
RWY 01

RNAV MAKSA 1N, RNAV DOTOL 1N

AERONAUTICAL DATA TABULATION

Standard Instrument Departure Procedure Coding Tables

RNAV MAKSA 1N

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	CF	PIGGY	-	008(359.9)	9.9	-	+3 500	-290	35°10'13.9"N 126°22'56.6"E	-	RNAV 1	-
002	TF	NAKZY	-	087(078.9)	13.9	-	-6 000	-290	35°12'53.8"N 126°39'34.6"E	-	RNAV 1	-
003	TF	JB809	-	057(048.9)	8.2	-	-8 000	-290	35°18'17.2"N 126°47'06.8"E	-	RNAV 1	-
004	TF	JB808	-	057(048.9)	7.0	-	-	-290	35°22'53.4"N 126°53'34.1"E	-	RNAV 1	-
005	TF	MAKSA	-	013(005.1)	7.3	-	-	-	35°30'11.3"N 126°54'22.0"E	-	RNAV 1	-

RNAV DOTOL 1N

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	CF	JB801	-	007(359.7)	5.5	-	-	-230	35°05'51.5"N 126°22'55.5"E	-	RNAV 1	-
002	TF	JB802	-	277(269.6)	7.9	-	-4 000	-230	35°05'48.2"N 126°13'17.8"E	-	RNAV 1	-
003	TF	JB803	-	187(179.6)	7.0	-	-4 000	-	34°58'47.5"N 126°13'21.8"E	-	RNAV 1	-
004	TF	JB804	-	146(137.9)	6.0	-	@6 000	-	34°54'20.0"N 126°18'15.4"E	-	RNAV 1	-
005	TF	JB805	-	146(137.9)	18.4	-	-9 000	-	34°40'39.6"N 126°33'10.9"E	-	RNAV 1	-
006	TF	JB806	-	146(138.1)	6.9	-	-	-	34°35'32.9"N 126°38'43.9"E	-	RNAV 1	-
007	TF	JB807	-	193(185.0)	5.5	-	+13 000	-	34°30'02.7"N 126°38'09.3"E	-	RNAV 1	-
008	TF	DOTOL	-	193(185.0)	14.8	-	-	-	34°15'15.4"N 126°36'36.6"E	-	RNAV 1	-

Change : Information of MAG course.

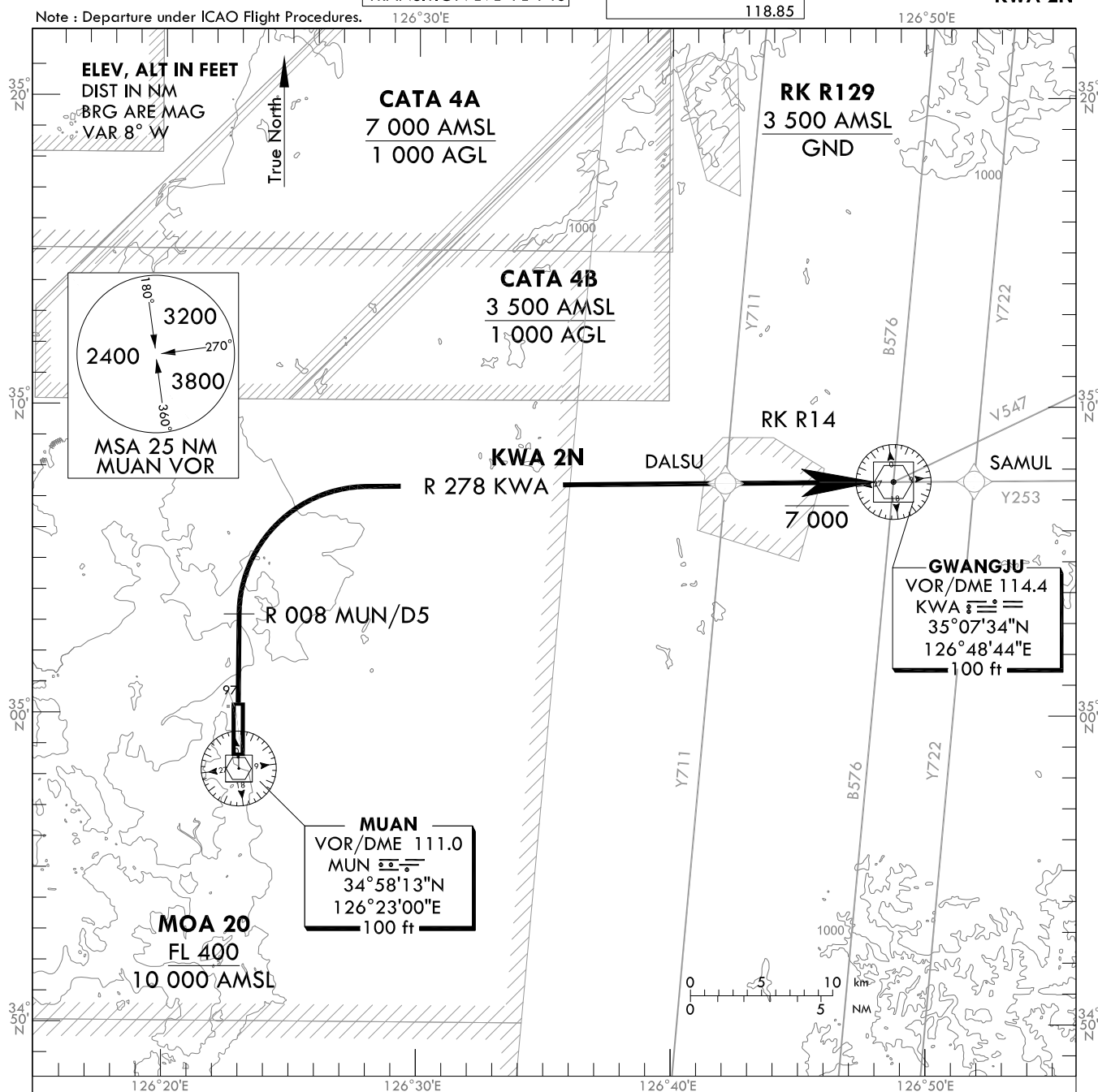
**STANDARD DEPARTURE CHART
INSTRUMENT(SID) - ICAO**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

GWANGJU DEP 124.0
347.2
MUAN TWR 118.25
118.85

**MUAN/Muan Intl(RKJB)
RWY 01
KWA 2N**

Note : Departure under ICAO Flight Procedures.



KWA TWO NOVEMBER DEPARTURE

Climb on R 008 MUN. At R 008 MUN/D5,
Turn Right to intercept R 278 KWA, Join B576 or V543 airway as assigned.

- * Cross KWA at or below 7 000 ft unless otherwise directed by ATC.
- * Minimum Climb gradient 5.6% until joining the assigned airway for ATC purpose.
- * Departure turns are limited to maximum of 240 kt IAS until KWA.

Change : Information of MAG VAR, MAG course, MSA, radial, VOR/DME coordinates and Establishment of OBST.

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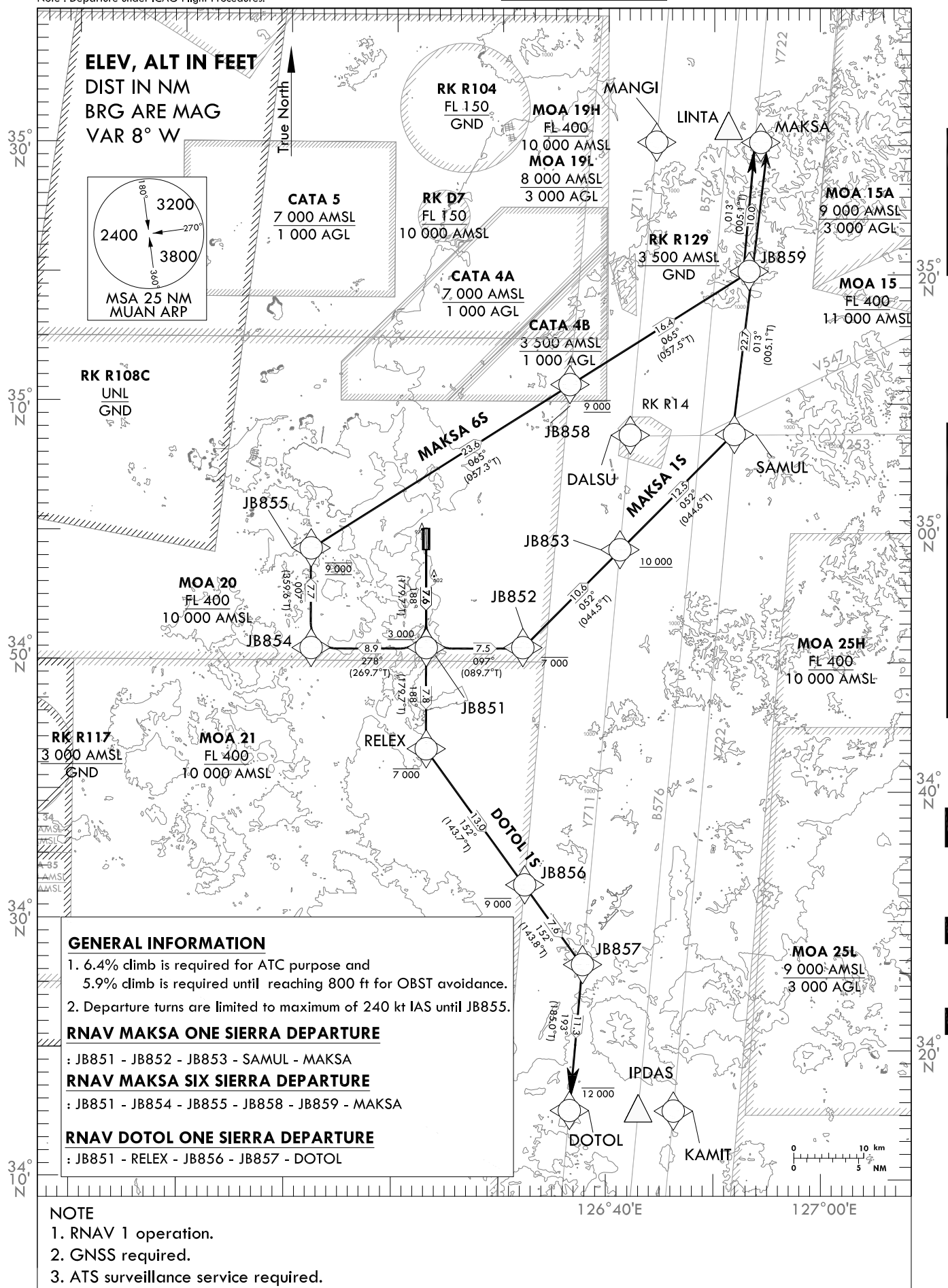
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INSTRUMENT(SID) - ICAO**

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MUAN/Muan Intl(RKJB)
RWY 19
RNAV MAKSA 1S
RNAV MAKSA 6S
RNAV DOTOL 1S

Note : Departure under ICAO Flight Procedures.



MUAN/Muan Intl(RKJB)
RWY 19
RNAV MAKSA 1S, RNAV MAKSA 6S
RNAV DOTOL 1S

AERONAUTICAL DATA TABULATION

Standard Instrument Departure Procedure Coding Tables

RNAV MAKSA 1S										
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	Remarks
001	CF	JB851	-	188(179.7)	7.6	-	+3 000	-240	34°51'00.9"N 126°23'01.4"E	-
002	TF	JB852	-	097(089.7)	7.5	-	-7 000	-	34°51'03.2"N 126°32'04.9"E	-
003	TF	JB853	-	052(044.5)	10.6	-	+10 000	-	34°58'39.3"N 126°41'10.0"E	-
004	TF	SAMUL	-	052(044.6)	12.5	-	-	-	35°07'35.5"N 126°51'54.4"E	-
005	TF	MAKSA	-	013(005.1)	22.7	-	-	-	35°30'11.3"N 126°54'22.0"E	-

RNAV MAKSA 6S										
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	Remarks
001	CF	JB851	-	188(179.7)	7.6	-	+3 000	-240	34°51'00.9"N 126°23'01.4"E	-
002	TF	JB854	-	278(269.7)	8.9	-	-	-240	34°50'57.7"N 126°12'12.6"E	-
003	TF	JB855	-	007(359.6)	7.7	-	@ 9 000	-240	34°58'40.4"N 126°12'08.7"E	-
004	TF	JB858	-	065(057.3)	23.6	-	@ 9 000	-	35°11'25.3"N 126°36'24.2"E	-
005	TF	JB859	-	065(057.5)	16.4	-	-	-	35°20'12.1"N 126°53'16.5"E	-
006	TF	MAKSA	-	013(005.1)	10.0	-	-	-	35°30'11.3"N 126°54'22.0"E	-

RNAV DOTOL 1S										
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	Remarks
001	CF	JB851	-	188(179.7)	7.6	-	+3 000	-	34°51'00.9"N 126°23'01.4"E	-
002	TF	RELEX	-	188(179.7)	7.8	-	-7 000	-	34°43'11.2"N 126°23'04.3"E	-
003	TF	JB856	-	152(143.7)	13.0	-	-9 000	-	34°32'42.2"N 126°32'21.6"E	-
004	TF	JB857	-	152(143.8)	7.6	-	-	-	34°26'33.0"N 126°37'47.3"E	-
005	TF	DOTOL	-	193(185.0)	11.3	-	-12 000	-	34°15'15.4"N 126°36'36.6"E	-

Change : Information of MAG course.

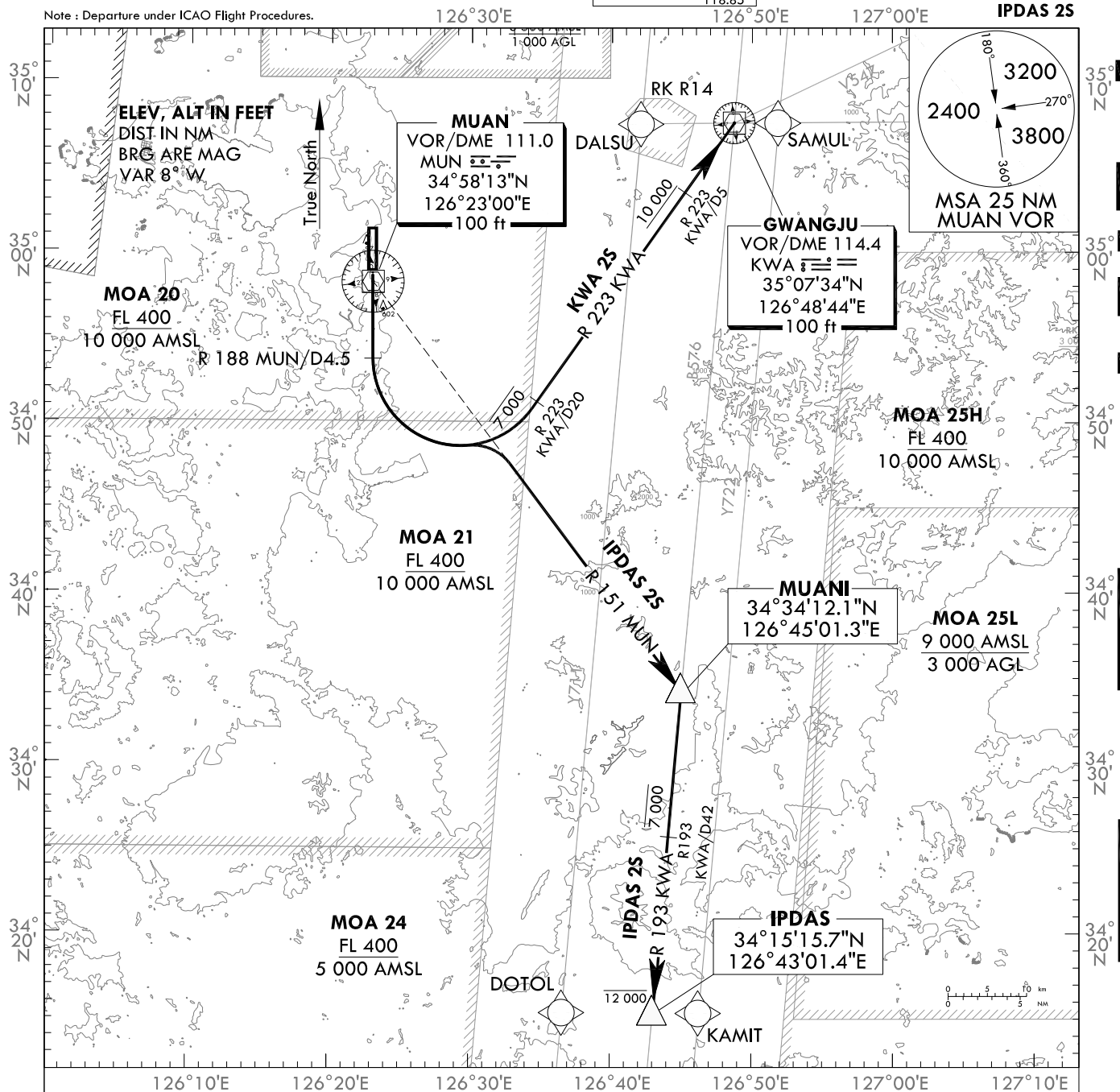
**STANDARD DEPARTURE CHART
INSTRUMENT(SID) - ICAO**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

GWANGJU DEP 124.0
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MUAN/Muan Intl(RKJB)
RWY 19
KWA 25
IPDAS 25

Note : Departure under ICAO Flight Procedures.



KWA TWO SIERRA DEPARTURE

Climb on R 188 MUN. At R 188 MUN/D4.5, Turn Left to intercept R 223 KWA, Join B576 or V543 airway as assigned.

* Minimum 5.9% Climb is required until reaching 800 ft for OBST avoidance and 10 000 ft for ATC purpose.

* Cross R 223 KWA/D20 at or below 7 000 ft and at or above 10 000 ft until R 223 KWA/D5 unless otherwise directed by ATC.

IPDAS TWO SIERRA DEPARTURE

Climb on R 188 MUN. At R 188 MUN/D4.5, Turn Left to intercept R 151 MUN to MUANI then IPDAS, Join B576 airway as assigned.

* Minimum 5.9% Climb is required until reaching 800 ft for OBST avoidance.

* Cross R 193 KWA/D42 at or below 7 000 ft and at or below 12 000 ft until IPDAS unless otherwise directed by ATC.

Change : Information of MAG VAR, MSA, radial, VOR/DME coordinates and Establishment of OBST.

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