

GWANGJU DEP	124.0, 124.7
	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

MSA 25 NM MUAN ARP

True North

GENERAL INFORMATION

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

Key Locations and Altitudes:

- MOA 19H MANGI**: FL 400, 10 000 AMSL, 8 000 AMSL, 3 000 AGL
- MOA 19L**: 10 000 AMSL, 8 000 AMSL, 3 000 AGL
- MOA 20**: FL 400, 10 000 AMSL
- MOA 21**: FL 400, 10 000 AMSL
- MOA 25H**: FL 400, 10 000 AMSL
- MOA 25L**: 9 000 AMSL, 3 000 AGL
- MAKSA 1N**: 8 000, 7.0 (048.9°T)
- MAKSA**: 10 000, 10.3 (013.1°T)
- DOTOL**: 13 000, 4.8 (193.1°T)
- PIGGY**: 3 500, 13.9 (087.0°T)
- NAKZY**: 6 000, 13.9 (087.0°T)
- JB801**: 7.9 (277.5°T)
- JB802**: 4 000, 7.0 (179.1°T)
- JB803**: 4 000, 6.0 (137.9°T)
- JB804**: 6 000, 6.0 (146.6°T)
- JB805**: 9 000, 6.9 (138.1°T)
- JB806**: 13 000, 5.5 (193.1°T)
- JB807**: 13 000, 4.8 (193.1°T)
- JB808**: 10 000, 10.3 (013.1°T)
- JB809**: 8 000, 7.0 (048.9°T)

Navigation Aids:

- RK R104**: FL 150, GND
- RK R129**: 3 500 AMSL, GND
- RK R14**: 3 500 AMSL, GND
- RK R117**: 3 000 AMSL, GND
- RK R108C**: UNL, GND
- CATA 5**: 7 000 AMSL, 1 000 AGL
- CATA 4A**: 7 000 AMSL, 1 000 AGL
- CATA 4B**: 3 500 AMSL, 1 000 AGL

Other Locations: LINTA, SAMUL, DALSU, IPDAS, KAMIT, V5A7, Y711, MOA 34, MOA 35.

Scale: 0 to 10 NM

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

AIRAC AIP AMDT 3/21
Effective : 1600UTC 24 MAR 2021

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	-

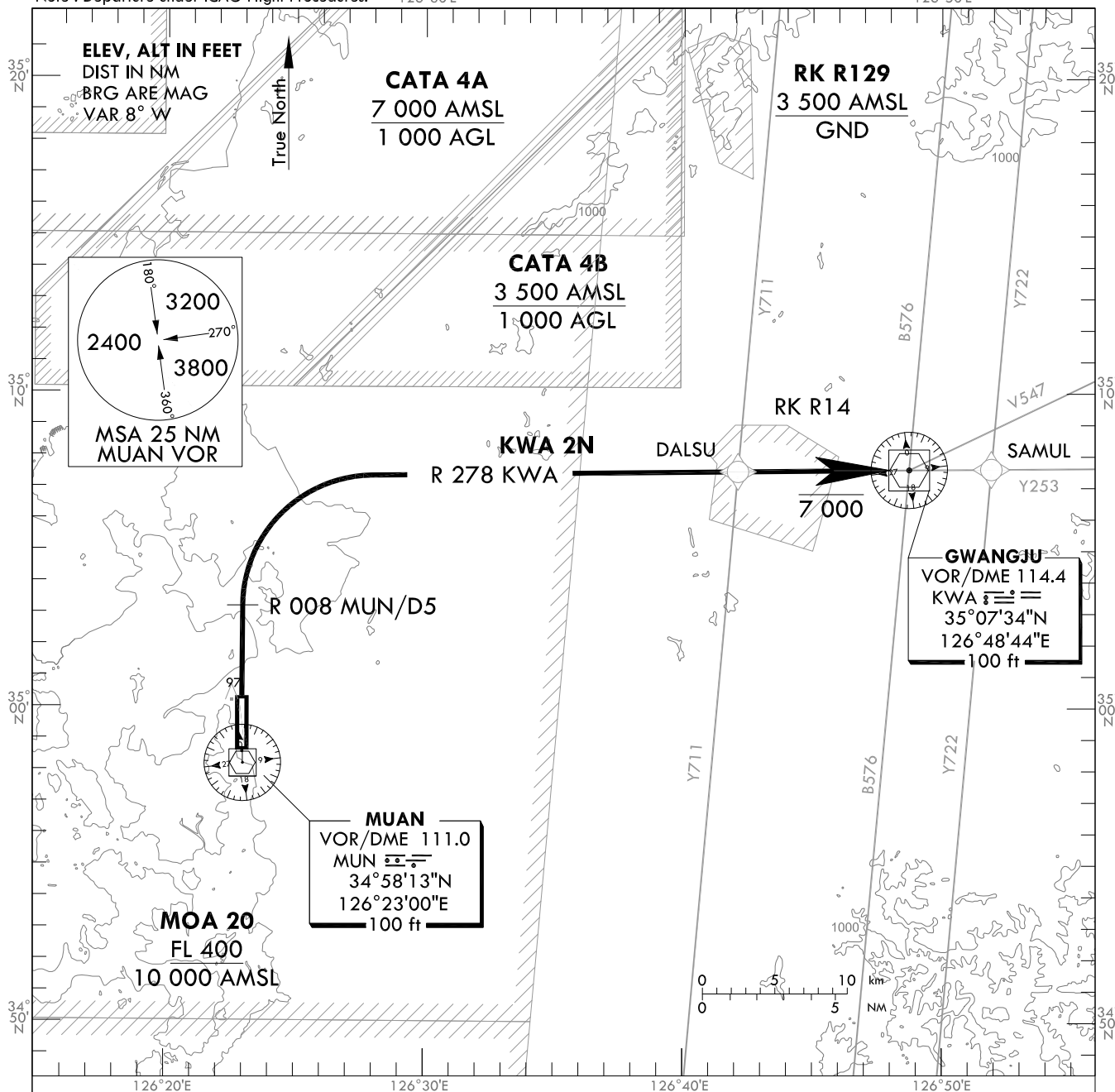
**STANDARD DEPARTURE CHART
INSTRUMENT(SID) - ICAO**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

GWANGJU DEP 124.0, 124.7
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 : Establishment of frequency for DEP(124.7 MHz).

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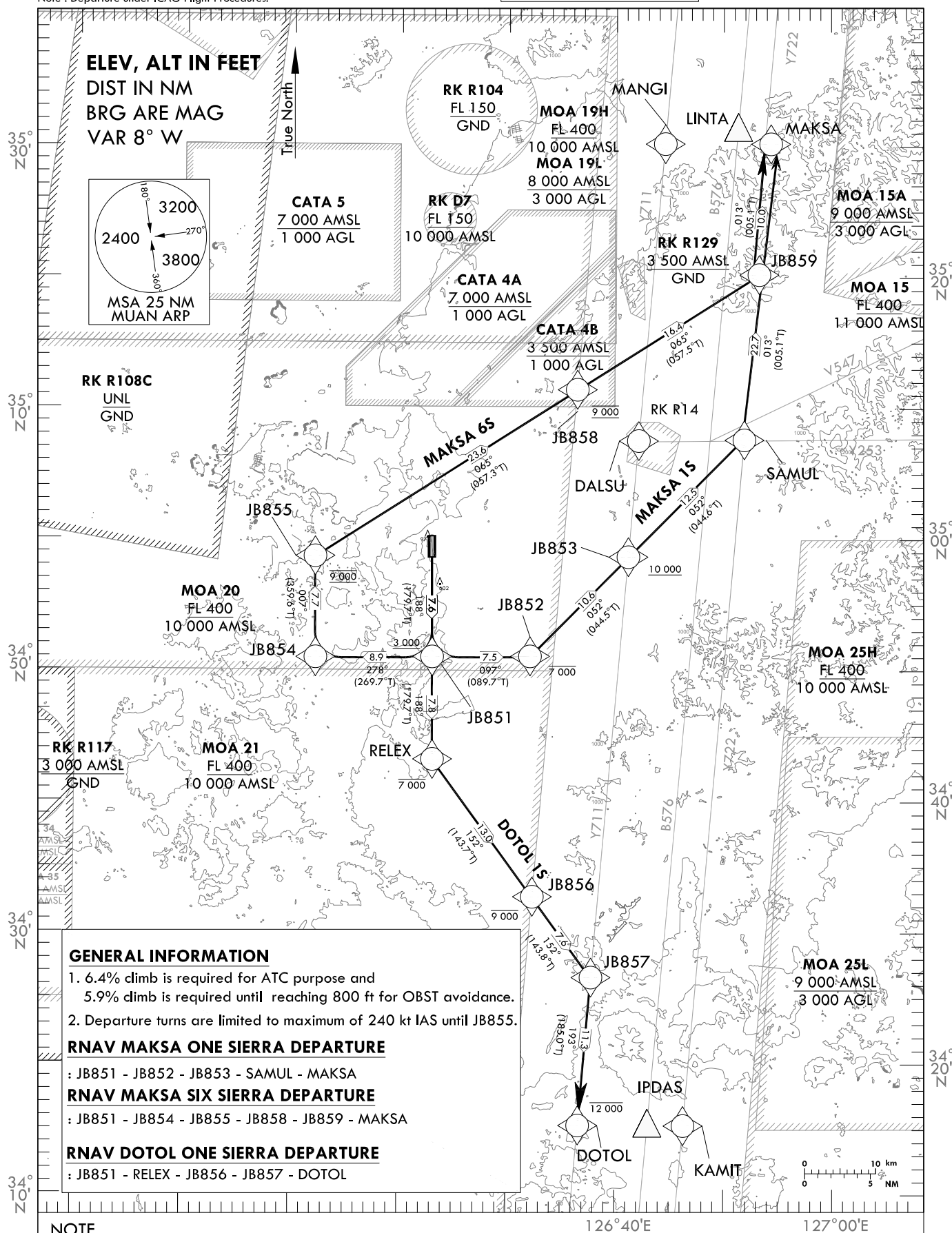
**STANDARD DEPARTURE CHART
INSTRUMENT(SID) - ICAO**

TRANSITION ALT 14 000
TRANSITION LVL FL 140

GWANGJU DEP 124.0, 124.7
347.2
MUAN TWR 118.25
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MUAN/Muan Intl(RKJB)
RWY 19
RNAV MAKSA 15
RNAV MAKSA 6S
RNAV DOTOL 15

Note : Departure under ICAO Flight Procedures.



Change : Establishment of frequency for DEP(124.7 MHz).

OFFICE OF CIVIL AVIATION

AIRAC AIP AMDT 3/21
Effective : 1600UTC 24 MAR 2021

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	VPA/RDH	Navigation specification	Remarks
001	CF	JB851	-	188(179.7)	7.6	-	+3 000	-240	34°51'00.9"N 126°23'01.4"E	-	RNAV 1	-
002	TF	JB852	-	097(089.7)	7.5	-	-7 000	-	34°51'03.2"N 126°32'04.9"E	-	RNAV 1	-
003	TF	JB853	-	052(044.5)	10.6	-	+10 000	-	34°58'39.3"N 126°41'10.0"E	-	RNAV 1	-
004	TF	SAMUL	-	052(044.6)	12.5	-	-	-	35°07'35.5"N 126°51'54.4"E	-	RNAV 1	-
005	TF	MAKSA	-	013(005.1)	22.7	-	-	-	35°30'11.3"N 126°54'22.0"E	-	RNAV 1	-

RNAV MAKSA 6S

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	CF	JB851	-	188(179.7)	7.6	-	+3 000	-240	34°51'00.9"N 126°23'01.4"E	-	RNAV 1	-
002	TF	JB854	-	278(269.7)	8.9	-	-	-240	34°50'57.7"N 126°12'12.6"E	-	RNAV 1	-
003	TF	JB855	-	007(359.6)	7.7	-	@ 9 000	-240	34°58'40.4"N 126°12'08.7"E	-	RNAV 1	-
004	TF	JB858	-	065(057.3)	23.6	-	@ 9 000	-	35°11'25.3"N 126°36'24.2"E	-	RNAV 1	-
005	TF	JB859	-	065(057.5)	16.4	-	-	-	35°20'12.1"N 126°53'16.5"E	-	RNAV 1	-
006	TF	MAKSA	-	013(005.1)	10.0	-	-	-	35°30'11.3"N 126°54'22.0"E	-	RNAV 1	-

RNAV DOTOL 1S

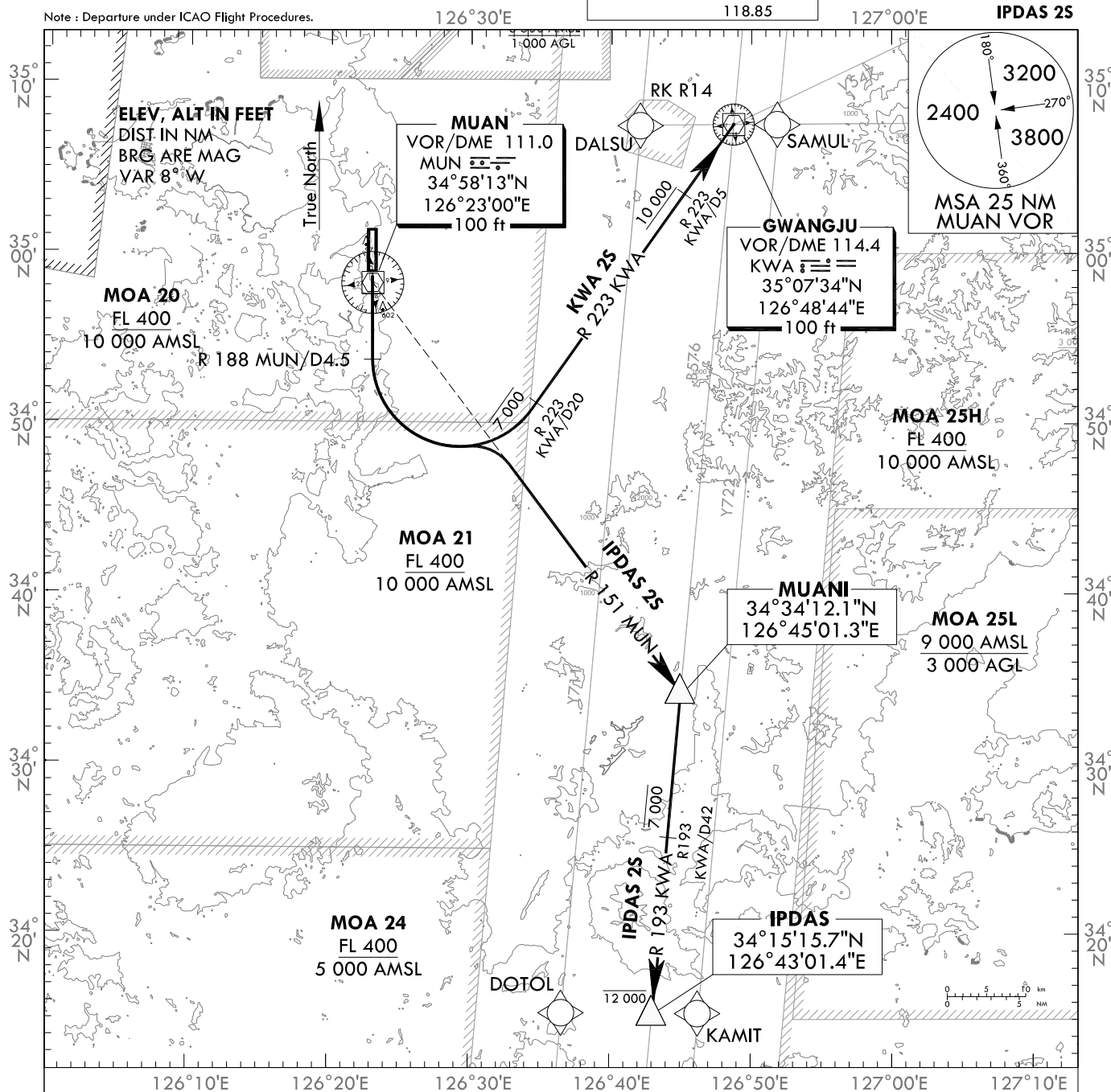
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/RDH	Navigation specification	Remarks
001	CF	JB851	-	188(179.7)	7.6	-	+3 000	-	34°51'00.9"N 126°23'01.4"E	-	RNAV 1	-
002	TF	RELEX	-	188(179.7)	7.8	-	-7 000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

TRANSITION ALT 14 000
TRANSITION LVL FL 140

GWANGJU DEP	124.0, 124.7
	347.2
MUAN TWR	118.25
	118.85

MUAN/Muan Intl(RKJB)
RWY 19
KWA 2S
IPDAS 2S

Note : Departure under ICAO Flight Procedures.



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.

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 : Establishment of frequency for DEP(124.7 MHz).

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