FALCON BMS

KTO AIP

Benchmark Sims

Ver.: BMS 4.37.4

Date: 31 December 2023

KOREAN THEATER OPERATION

AERONAUTICAL INFORMATION PUBLICATION

EFFECTIVE : DECEMBER 31 2023
TO : DECEMBER 31 2025

CONSULT NOTAMs for latest information

PART ONE: GENERAL (GEN)

GEN 1.1 PREFACE

1. Name of publishing authority

This BMS AIP is published by Benchmark Sims and is relevant to BMS 4.37 only. Under no circumstances should it be used for real world navigation.

2. BMS AIP Structure

The BMS AIP is made of three parts:

1. General (GEN) 2. Enroute (ENR) 3. Aerodromes (AD)

Each is divided into sections and subsections as applicable and contains various types of information. For instance, each BMS theatre of operation will have a unique AIP but its subsections will be separated country by country or allied vs opposing forces.
The BMS AIP does not follow the same sub-structure as the real AIP – too many subsections are irrelevant to BMS.

3. BMS AIP amendment

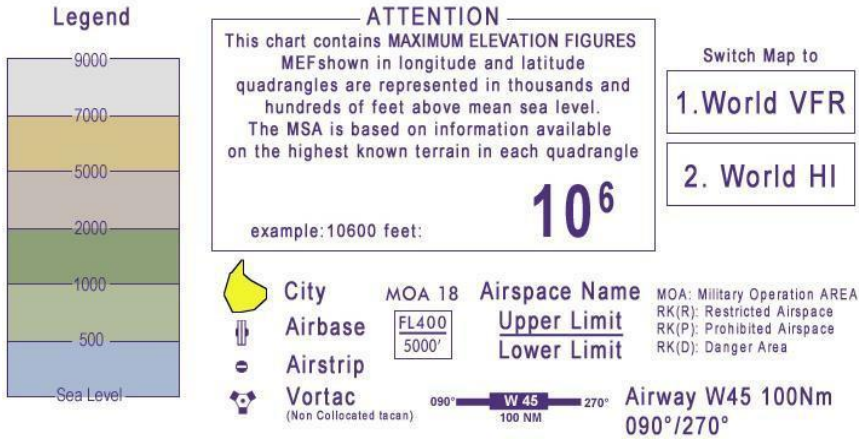
BMS AIP will be updated according to relevant changes in BMS. Amendment will be published soon after a new release of BMS.

All changes in this document coming with 4.37.0 are marked with a **black** line.
All changes in this document coming with 4.37.1 are marked with a **blue** line.
All changes in this document coming with 4.37.2 are marked with a **red** line.
All changes in this document coming with 4.37.3 are marked with a **green** line.
All changes in this document coming with 4.37.4 are marked with a **orange** line.

4. BMS AIP validity over real world navigation data

Real world navigation data is updated continuously and changes rather quickly over time. BMS on the other hand does not need to be updated quite so often. If the Falcon KTO was quite close to real Korea 15 years ago, it might be well different today. Code-wise we cannot track the slightest change of frequency, or restricted airspace, or airbase accuracy into the BMS virtual world. As a consequence deviation from real world data may be noticed.

5. Chart symbols



Navaid station enroute type (E) longer range 120-200Nm

Navaid station Approach type (A) short range : 40-80Nm

GEN 1.2 LIST OF RADIO NAVIGATION AID

1.2.1 TACANs

(Type A = Approach / Type E = Enroute) Reception range may vary with altitude. Displayed ranges are low altitude ranges.

Station Name	ID	Channel/band	Type	Range (Nm)
1.2.1.1. South Korea				
Cheongju	CHO	**042X**	**A**	**35**
Daegu	TAE	**125X**	**A**	**35**
Gangneung	KOG	**056X**	**A**	**70**
Gimhae	KMH	**117X**	**A**	**140**
Gimpo	KIP	**083X**	**A**	**35**
Gunsan	KUZ	**075X**	**E**	**140**
Gwangju	KWA	**091X**	**E**	**140**
Incheon	NCN	**076X**	**A**	**35**
Jungwon	CHW	**005X**	**A**	**70**
Osan	OSN	**094X**	**E**	**140**
Pohang	KPO	**072X**	**E**	**100**
Pyeongtaek	PTK	**019X**	**A**	**35**
Sacheon	SAC	**037X**	**A**	**35**
Seosan	SAN	**052X**	**A**	**35**
Seoul	SOL	**046X**	**A**	**35**
Sokcho	SCH	**059X**	**A**	**40**
Suwon	SWN	**022X**	**A**	**70**
Wonju	HGS	**060Y**	**A**	**40**
Yecheon	CUN	**026X**	**A**	**100**

Station Name	ID	Channel/band	Type	Range (Nm)
1.2.1.2. Japan				
Hiroshima	HGN	**024X**	**E**	**35**
Iwami	IWA	**057X**	**E**	**140**

Station Name	ID	Channel/band	Type	Range (Nm)
1.2.1.3. North Korea				
Kalma	WS	**054X**	**A**	**70**
Samjiyon	SJ	**050X**	**E**	**100**
Sunan	GK	**051X**	**E**	**140**
Toksan	TK	**053X**	**A**	**70**
Uiju	CR	**055X**	**E**	**100**

Station Name	ID	Channel/band	Type	Range (Nm)
1.2.1.4. China				
Shenyang	SH	**088X**	**A**	**140**

1.2.1.5. Russia

Nil

1.2.2 VORTACs

(Type A= Approach / Type E = Enroute) Reception range may vary with altitude. Displayed ranges are low altitude nominal ranges.

Station Name	ID	Channel/band	Type	Range (Nm)
1.2.2.1 South Korea				
Anyang	SEL	**102X**	**E**	**100**
Gangwon	KAE	**103X**	**E**	**140**
Incheon	NCN	**085X**	**E**	**100**
Mokpo	MKP	**049X**	**A**	**70**
Muan	MUN	**065X**	**A**	**40**
Pusan	PSN	**087X**	**E**	**200**
Talsung	TGU	**059X**	**E**	**140**
Uljin	UJN	**100X**	**A**	**40**
Ulsan	USN	**062X**	**A**	**40**
Wonju	HGS	**039X**	**A**	**40**
Yangju	YJU	**096X**	**E**	**140**
Yangyang	YAG	**043X**	**A**	**40**
Yeosu	YSU	**104X**	**A**	**40**

Station Name	ID	Channel/band	Type	Range (Nm)
1.2.2.2. Japan				
Iwakuni	IJO	**126X**	**A**	**100**
Tsushima	VCE	**064X**	**E**	**120**
Yamaguchi	UBE	**045X**	**E**	**120**

1.2.2.3. North Korea

Nil

1.2.2.4. China

Nil

1.2.2.5. Russia

Nil

1.2.3 ILS

Station Name	ID	freq	Type	RWY
1.2.3.1. South Korea				
Cheongju	ICHG	111.7	ILS	24R
Daegu	ITGU	111.9	ILS	13L
	ITGL	108.7	ILS	13R
	ITAG	108.7	ILS	31L
Gangneung	IKOG	111.5	ILS	26
Gimhae	IKHE	109.5	ILS	36L
	IKHG	108.5	ILS	18R
Gimpo	ISEL	109.9	ILS	14L
	IOFR	108.7	ILS	14R
	IKMO	108.3	ILS	32L
	ISKP	110.7	ILS	32R
Gunsan	KUZZ	110.3	ILS	18
	IKUZ	110.3	ILS	36
Gwangju	IMDG	111.1	ILS	04L
	IKWA	111.1	ILS	22R
Incheon	INCN	111.9	ILS	15L
	INCN	109.1	ILS	15R
	INCN	109.3	ILS	33L
	INCN	108.9	ILS	33R
Jungwon	ICHW	111.3	ILS	36R
	ICHW	111.3	ILS	18L
Muan	IMUN	111.9	ILS	01
	IMUN	108.9	ILS	19
Osan	ININ	111.3	ILS	09L
	IOSN	111.3	ILS	27R
Pohang	IKPO	110.9	ILS	10
Pyeongtaek	IPTK	108.75	ILS	32
Sacheon	ISAM	111.5	ILS	06L
	ISHA	108.1	ILS	24R
Seosan	ISAN	111.5	ILS	03R
	ISAN	110.1	ILS	21L
Seoul	ISUL	108.95	ILS	18
	ISOL	110.9	ILS	19
Sokcho	ISCH	111.0	ILS	26
Suwon	ISWN	108.5	ILS	33R
Wonju	IWNJ	110.2	ILS	03
Yangyang	IYAG	109.3	ILS	33
Yecheon	ICUN	109.3	ILS	28

Station Name	ID	freq	Type	RWY
1.2.3.2. Japan				
Hiroshima	HGN	108.8	ILS	10
Iwakuni MCAS	IJO	110.15	ILS	02
Iwami	IWA	108.7	ILS	11
Tsushima	VCE	108.7	ILS	32
Yamaguchi	UBE	110.1	ILS	07

Station Name	ID	freq	Type	RWY
1.2.3.3. North Korea				
Sunan	GE	109.9	ILS	18
	OW	110.3	ILS	34
	GT	109.5	ILS	36
Toksan	TK	109.6	ILS	05
	ITK	109.6	ILS	23
Uiju	IKU	110.0	ILS	05
	IKO	110.4	ILS	23

1.2.3.4. China

Nil

1.2.3.5. Russia

Nil

1.2.4 **ATIS.** VHF frequency

1.2.4.1 South Korea					
Airbase	ATIS	Airbase	ATIS	Airbase	ATIS
Cheongju	128.85	Incheon	128.45	Seoul	126.4
Jungwon	135.6	Jungwon	135.6	Sokcho	123.15
Daegu	127.65	Muan	127.425	Suwon	126.425
Gangneung	132.05	Osan	132.125	Wonju	128.6
Gimhae	126.65	Pohang	127.4	Yangyang	128.825
Gimpo	126.35	Pyeongtaek	128.25	Yecheon	135.8
Gunsan	120.225	Sachoen	126.625		
Gwangju	128.875	Seosan	130.3		
1.2.4.2 Japan				**1.2.4.3 Russia**	
Hiroshima	127.25	Tsushima	124.325	Uglovoye	124.05
Iwakuni	128.4	Yamaguchi	118.025		
Iwami	127.2				
1.2.4.4 North Korea					
Haeju	122.55	Kwail	125.3	Sondok	123.7
Hwangju	124.1	Manp'o	124.5	Sunan	124.8
Hwangsuwon	123.55	Mirim	123.45	Sunchon	123.1
Hyon-Ni	124.325	Onchon	125.2	T'aech'on	124.7
Iwon	125.4	Ongjin	124.625	Taetan	124.9
Kaech'on	123.85	Orang	123.2	Toksan	123.0
Koksan	124.4	Panghyon	125.1	Uiju	123.3
Kuum-Ni	124.2	Pukchang'Up	123.6		
Kalma	124.65	Samjiyon	125.0		
1.2.4.5 China					
Liuhe	123.9	Shenyang	127.45		

GEN 1.3 CONVERSION TABLES

1Nm = 6000ft

1 Sm = 1.609 Km – 1 Nm = 1.15 Sm – 1 Sm = 0.869 Nm

1° of Longitude (great circle) = 60 Nm 1

ft = 0.3048 m - 1 m = 3.28 ft

1° C = 33.8° F - 100° F = 37.8° C

GEN 1.4 SUNRISE - SUNSET

Sunrise and sunset in KTO will now depends on the DATE set in the Weather Control UI window. Adapting the date will specify the KTO sunrise and sunset times in zulu & local.

By default date is set to 2004/04/15 (15th April, 2004) with Sunrise at 21:01z (06:01LT) and Sunset at 10:10z (19:10 LT)
Aviation day begin 30' after Civilian Sunrise: 06:31LT by default Aviation
Night begin 30' after Civilian Sunset: 19:40LT by default

GEN 1.5 RADIO PRESETS TABLES

1.5.1 UFC default Presets (All presets are UHF unless otherwise specified!)

CH	UFC FREQ	7	Variable airbase	14	Advisory (Ui)
1	OPS (dep AB)	8	Variable airbase	15	VHF flight 1
2	Ground (dep AB)	9	Variable airbase	16	VHF flight 2
3	Tower (dep AB)	10	Variable airbase	17	VHF flight 3
4	Departure (dep AB)	11	Variable airbase	18	VHF flight 4
5	-	12	Variable airbase	19	VHF flight 5
6	Tactical (Awacs)	13	Air Refueling	20	-

1.5.2 Backup UHF

To communicate with ATC on Backup frequency use the manual frequency of the Backup UHF panel.

PART TWO: ENROUTE (ENR)

KOREAN THEATER OPERATION
AERONAUTICAL INFORMATION PUBLICATION

ENR 2.1 ALTIMETER SETTING PROCEDURE

2.1.1. Introduction

The altimeter setting in KTO generally conforms to those contained in ICAO publications.

In KTO the transition altitude is 14000 feet and the transition level is FL 140. QNH

values may be given in hectopascals (hPa) or in inches of Mercury (inHg).

The transition altitude and the transition level are shown on the Instrument Approach Charts, Standard Instrument Departure (SID) charts and Standard Arrival Charts.

2.1.2 Altimeter setting procedure

Below the transition altitude vertical positioning is expressed as “altitude”. Above the transition layer vertical positioning is expressed in Flight Levels (FL)

Aircraft altimeters shall be set to one of the following:

a. When below 14000 feet AMSL:
   Use current reported altimeter setting by the nearest airfield. Along your route any tower frequency will be able to give the local altimeter setting. (in BMS all airbases towers and KOTAR frequency)

   Please note that with the new weather model and the ability to create weather map the weather now evolves with area and time. Pressure settings may well be different from one place to another.

b. At or above 14000 feet AMSL:
   Use the standard altimeter setting: 1013.2 hPa or 29.92 InHg.

Terminal

a. Departure:
   The altimeter setting must be requested from the departure airport control tower.
b. Arrival:
   The altimeter setting must be requested from the destination tower when descending through the transition layer.

2.2.1. Definitions:

2.2.1.1. Danger Area: RK(D)

An airspace of defined dimensions within which activities dangerous to flight safety may exists at specified times.

The effect of the creation of the danger area is to caution operators or pilots that it is necessary for them to assess the danger in relation to their responsibility for the safety of their aircraft.

2.2.1.2. Prohibited Area: RK(P)

An airspace of defined dimensions above the land areas or territorial waters of a State, within which the flight of aircraft is prohibited.

2.2.1.3. Restricted Area: RK(R)

An airspace of defined dimensions above the land areas or territorial waters of a State, within which the flight of aircraft is restricted in accordance with certain specified conditions.

2.2.1.4. Military Operating Areas (MOA) & RK(M)

An airspace of defined dimensions within which firing of projectiles and missiles takes place and is coordinated in such a manner that air traffic operating through the airspace is not endangered. The ground firing stations ensure through appropriate surveillance systems that the area is used for firing only where there is no possibility of conflict with air traffic not participating in the range activities.

In order to facilitate range operations, all aircraft intending to operate through the range area during periods of activity shall make a position report with KOTAR radio.

2.2.2. Dissemination of information:

Each area is described in the following pages by its lateral and vertical limits, type of activity, times at which it applies and other pertinent information such as controlling agency. All times are Falcon times. Pilots transiting through the airspace should contact the UHF frequency listed in the remarks.

2.2.3 South Korea

Name and lateral limits	Upper Limit / Lower Limit	Remarks
RK(R)-14 PYEONGDONG		
2 Nm West of Gwangju Airbase (RKJJ)	**By NOTAM**	Ground to Ground hi angle firing RKJJ tower 254.6
RK(R)-17 YEOJU		
A 7.5Nm Radius circle centred on: N37°21.828' E128°43.410'	**FL150** / **GND**	Air to ground firing ROKAF Seoul Twr: 237.1
RK(R)-73 A&B SEOUL CITY		
A 5Nm Radius circle centred on: N37°34.271' E127°56.289'	**UNL** / **GND**	Aircraft Violating RK R73A&B without proper clearance will be shot down. An exception to this rule will be aircraft identified as friendly
RK(R)-74 DONG-HAE-NAM-BU		
N37°02.075' E131°36.973' - N36°53.490' E131°58.470' N36°06.524' E131°53.188' - N36°04.517' E131°51.584' N36°06.493' 131°30.974'	**500** / **SFC**	Air to Surface sea skimming missiles firing
RK(R)-79 A & C KOON-NI		
A 5Nm Radius circle centred on: N37°02.030' E127°37.631'	**FL200** / **GND**	Koon-Ni Live firing range (ROKAF) Not implemented in BMS
RK(R)-79 KOON-NI		
N37°01.996' E127°31.190' - N37°01.996' E127°44.034' N36°40.899' E127°42.730' - N36°40.899' E127°29.945'	**FL200** / **GND**	Koon-Ni Live firing range (ROKAF) Not implemented in BMS
RK(R)-80 SEO-HAE-JUNG-BU		
N36°32.340' E125°13.594' - N36°32.340' E126°20.752' N35°55.100' E126°19.240' - N35°55.100' E125°12.324'	**FL400** / **SFC**	Air to Air Firing ROKAF By NOTAM
RK(R)-81 NAKJEONG		
A 7.5Nm Radius circle centred on: N36°27.301' E129°29.929' and cut by a line joining N36°28.189' E129°21.281' and N36°20.685' E126°33.179'	**FL200** / **GND**	Air to ground firing ROKAF 2100to1400Zulu
RK(R)-88 SEO-HAE-BUK-BU		
N37°18.406' E125°15.231' - N37°18.406' E126°17.950' N36°43.163' E126°16.555' - N36°43.163' E125°14.336'	**FL400** / **SFC**	Air to Air Firing ROKAF By NOTAM

RK(R)-89 OCHON		
3Nm South West of Pohang Airbase (RKTH) See Pohang charts	**1000** **GND**	Ground to Ground Firing ROKMC 1st DIV
RK(R)-90A SUSONG-A		
6Nm South East of Pohang Airbase (RKTH) See Pohang charts	**2000** **GND**	Ground to Ground Firing ROKMC 1st DIV
RK(R)-100 NAMHYONGJEDO		
A 2 Nm Radius circle centred on: N35°03.388' E130°16.396'	**500** **SFC**	Surface to Surface ROK Fleet
RK(R)-105 JIKDO RANGE		
A 5.5 Nm Radius circle centred on: N35°53.861' E126°38.838'	**FL250** **SFC**	Air to Ground firing ROKAF RKSO tower. Activated by NOTAM
RK(R)-107 DONG-HAE-BUK-BU		
N38°18.584' E131°25.612' - N38°18.584' E131°57.166' N37°36.296' E131°52.321' - N37°45.328' E131°22.050'	**FL400** **SFC**	Air to Air Firing RKNN Tower 334.9
RK(R)-110 PILSUNG (KOTAR)		
N37°13.330' E130°06.460' - N37°13.330' E130°29.305' N36°54.922' E130°27.375' - N36°55.015' E130°04.747'	**FL250** **GND**	Korean Tactical Range (KOTAR) Air to Ground live firing USAF & ROKAF 233.8
RK(R)-111 UNGCHON		
A 2 Nm Radius circle North of Gunsan AB RKJK (See Gunsan charts)	**FL250** **GND**	Air to Surface firing - RKJK tower 292.3
RK(R)-131 BAENGNYEONG		
N38°00.000' E124°04.209' - N38°00.000' E124°52.028' N37°50.300' E124°51.863' - N37°50.300' E124°04.071'	**5000'** **SFC**	Surface to Surface hi angle firing By NOTAM
RK(R)-134 YEONPYONGDO		
N38°03.562' E125°00.000' - N38°03.562' E125°15.834' N37°42.103' E125°47.697' - N37°42.103' E126°12.567' N37°53.664' E126°23.513' - N37°53,664' E126°27.346' N37°38.741' E126°26.600' - N37°38.703' E125°00.000'	**5000'** **SFC**	Surface to Surface hi angle firing By NOTAM
RK(R)-518		
The area between the Demarcation line and a parallel line extending 10 Nm South of the demarcation line.	**UNL** **GND**	Demilitarized Zone

2.2.4 Japan

Name and lateral limits	Upper Limit / Lower Limit	Remarks
RJ(R)-134		
N34°51.492' E131°38.921' - N34°45.440' E132°00.000' N34°06.912' E131°38.696' - N34°16.467' E131°18.246'	**FL400** **10000'**	JASDF Air to Air training. 60Nm West Iwami: 225.5

2.2.5 North Korea

Name and lateral limits	Upper Limit / Lower Limit	Remarks
ZK(P)-01		
N39°16.013' E126°25.566' - N39°08.822' E126°28.307' N39°06.936' E126°18.235' - N39°01.041' E126°13.913' N38°54.990' E126°19.144' - N38°51.296' E126°32.696' N38°56.444' E126°50.738' - N39°10.237' E126°52.858' N39°16.013' E126°45.768'	**UNL** **GND**	P'Yong'Yang Prohibited airspace Sunan tower: 264.0
ZK(D)-01		
N39°21.131' E126°17.168' - N39°10.705' E126°09.336' N38°47.852' E126°09.095' - N38°39.405' E126°33.641' N38°43.251' E127°00.000' - N39°18.450' E127°00.000' N39°28.628' E126°44.259' - N39°28.431' E126°28.670' N39°16.013' E126°25.566' - N39°08.822' E126°28.307' N39°06.936' E126°18.235'	**FL400** **10000'**	Danger Airspace around P'Yong'Yang. Sunan tower: 264.0
ZK(R)-01		
N40°09.937' E128°00.000' - N39°48.659' E128°07.388' N39°57.361' E128°27.686' - N40°09.986' E128°20.556'	**UNL** **GND**	Strategic corps training area: Sondok tower: 343.8
ZK(D)-02		
N39°26.292' E125°46.428' - N39°07.053' E125°56.257' N38°58.267' E125°36.850'	**2500'** **SFC**	Surface to Surface firing. Onch'on tower: 302.4
ZK(R)-02		
N40°19.077' E129°55.100' - N40°00.000' E129°43.906' N40°00.000' E130°09.347' - N40°11.188' E130°14.301'	**3000'** **SFC**	DPRK Navy - Iwon tower: 234.4
ZK(D)-03		
N39°23.805' E128°33.805' - N39°18.762' E128°27.621' N39°10.875' E128°29.991' - N39°10.648' E128°37.555' N39°15.462' E128°44.895'	**8000'** **GND**	Surface to Surface firing: Kalma tower: 244.4

Name and lateral limits	Upper Limit / Lower Limit	Remarks
ZK(R)-03		
N39°50.249' E125°14.491' - N39°27.087' E125°10.725' N39°29.143' E125°17.537' - N39°51.757' E125°25.878'	**5000'** **SFC**	Surface to Surface firing. Panghyon tower: 270.8
ZK(P)-03		
N40°21.522' E127°00.000' - N40°14.733' E127°00.000' N40°05.757' E127°18.615' - N40°05.729' E127°28.342' N40°13.966' E127°33.424'	**FL400** **GND**	Huich'on indistrial Complex. Keachon tower: 350.0
ZK(R)-04		
N39°44.904' E125°23.587' - N39°31.365' E125°46.107' N39°31.365' E125°55.445' - N39°37.280' E125°52.029'	**6000'** **SFC**	Surface to Surface firing. Panghyon tower: 270.8
ZK(D)-05		
N40°24.385' E125°59.867' - N40°01.687' E126°19.407' N40°03.671' E126°29.937' - N40°14.706' E126°19.727'	**14000'** **GND**	Unsan Radar guidance tests. T'aech'on tower: 275.5
ZK(D)-07		
N39°55.939' E128°56.223' - N39°43.090' E129°01.559' N39°54.263' E129°33.166' - N40°05.504' E129°40.482' N40°07.150' E129°25.163'	**FL400** **SFC**	Hamhung & Toejo industrial complex: Toksan tower: 324.8

2.2.6 China

Nil

2.2.7 Russia

Nil

2.3.1 South Korea

Name and lateral limits	Upper Limit / Lower Limit	Remarks
MOA 1 (YELLOW)		
N36°44.992' E126°25.363' - N36°44.992' E127°23.447' N36°38.887' E127°27.063' -N36°29.042' E127°26.556' N36°23.058' E127°22.018' - N36°23.251' E127°05.844' N36°18.425' E126°55.050' - N36°18.425' E126°23.969'	**FL400** **10.000 ft MSL**	43 Nm W RKTP Seosan Twr : 353.1
MOA 2		
N36°38.517' E128°18.916' - N36°38.517' E128°18.916' N36°01.172' E127°59.970' - N36°00.537' E128°16.315'	**FL400** **10.000 ft MSL**	56 Nm NE RKJK Cheongju Twr : 250.2
MOA 3		
N36°20.284' E128°32.921' - N36°24.427' E128°50.858' N36°00.537' E128°16.315' - N35°57.819' E129°31.382'	**FL400** **10.000 ft MSL**	28 Nm S RKTU Cheongju Twr : 250.2
MOA 5		
N37°29.876' E129°19.796' - N37°37.094' E129°54.990' N37°07.354' E129°17.905' - N37°11.733' E129°52.679'	**FL400** **12.000 ft MSL**	29 Nm NNE RKTY Jungwon Twr : 230.15
MOA 6		
N37°37.094' E129°54.990' - N37°38.365' E130°02.324' N37°24.533' E130°36.682' - N37°13.215' E130°29.139' N37°11.733' E129°52.679'	**FL400** **10.000 ft MSL**	28 Nm SW RKNN Gangneung Twr : 334.9
MOA 7		
N38°19.982' E130°33.951' - N38°19.982 E131°20.748' N37°54.920' E130°31.336' - N37°54.920' E131°17.868'	**FL400** **10.000 ft MSL**	31 Nm NNE RKNN US Gangneung Twr : 334.9
MOA 8		
N37°13.215' E130°29.139' - N37°24.533' E130°36.682' N37°01.964' E131°37.172' - N36°47.073' E131°35.410' N36°47.139' E130°41.040' - N36°55.015 E130°27.347'	**FL400** **11.000 ft MSL**	35 NM S RKNN Pohang Twr : 236.6
MOA 9		
N36°47.139' E130°41.040' - N36°47.073' E131°35.410' N36°29.053' E131°33.266' - N36°29.183 E130°39.127'	**FL400** **11.000 ft MSL**	62 Nm SSE RKNN Pohang Twr : 236.6
MOA 10		
N36°41.862' E129°51.305' - N36°55.019' E130°04.786' N36°55.015 E130°27.347' - N36°23.183 E130°39.127' N36°29.183 E130°39.127' - N36°21.583' E130°33.008'	**FL400** **10.000 ft MSL**	10 Nm E RKTY Yecheon Twr : 269.5

MOA 11		
N37°07.285' E129°17.921' - N37°13.366' E130°06.295' N36°54.951' E130°04.573' - N36°41.805' E129°51.147' N36°55.957' E129°22.144'	**FL400** **12.000 ft MSL**	11,5 Nm ESE RKTY Yecheon Twr : 269.5
MOA 12		
N36°29.183 E130°39.127' - N36°29.053' E131°33.266' N36°06.480' E131°30.807' - N36°09.312 E130°58.156' N36°21.583' E130°33.008'	**FL400** **11.000 ft MSL**	23 Nm NW RKTH Pohang Twr : 236.6
MOA 13 EAST		
N35°52.012' E131°00.421' - N35°49.330' E131°35.754' N35°27.403' E131°19.509' - N35°22.750' E130°46.043'	**FL400** **10.000 ft MSL**	38 Nm E RKTN Pohang Twr : 236.6
MOA 13 WEST		
N35°48.183' E130°11.697' - N35°53.336' E130°32.088' N35°53.875' E130°55.284' - N35°52.012' E131°00.421' N35°22.750' E130°46.043' - N35°21.356' E130°36.928'	**FL400** **11.000 ft MSL**	12 Nm ESE RKTN Pohang Twr : 236.6
MOA 14		
N36°17.338' E129°34.365' - N36°30.117' E129°44.274' N36°07.155' E130°27.150' - N36°02.249' E129°57.525'	**FL330** **10.000 ft MSL**	27 Nm NW RKTN Daegu Twr : 365.0
MOA 15		
N35°52.056' E127°59.509' - N35°48.487' E129°16.243' N35°29.211' E128°00.000'	**FL400** **11.000 ft MSL**	21 Nm E RKJJ Gwangju Twr : 254.6
MOA 17		
N36°18.425' E126°23.969' - N36°18.025' E127°25.854' N36°00.000' E127°15.642' - N35°43.329' E127°15.976' N35°43.334' E126°22.654'	**FL400** **5.000 ft MSL**	53 Nm WNW RKJK Gunsan Twr : 292.3
MOA 18		
N35°51.128' E125°12.438' - N35°51.187' E126°118.916' N35°04.566' E126°17.003' - N35°04.625' E125°11.096'	**FL400** **5.000 ft MSL**	107 Nm W RKJK US NAVY Gunsan Twr : 292.3
MOA 19		
N35°43.334' E126°22.654' - N35°43.329' E127°15.976' N35°21.160' E127°16.923' - N35°21.264' E126°21.725'	**FL400** **10.000 ft MSL**	51 Nm W RKJK Gunsan Twr : 292.3
MOA 20		
N35°21.264' E126°21.725' - N35°21.160' E127°16.923' N34°52.666' E127°16.394' - N34°52.655' E126°20.704'	**FL400** **10.000 ft MSL**	65 Nm WNW RKJJ Gwangju Twr : 254.6

MOA 21		
N34°52.655' E126°20.704' - N34°52.666' E127°16.394' N34°27.309' E127°12.363' - N34°27.399' E126°19.705'	**FL400** **10.000 ft MSL**	67 Nm WSW RKJJ Gwangju Twr : 254.6
MOA 22		
N35°01.342' E125°14.988' - N35°01.342' E126°21.031' N34°27.571' E126°19.665' - N34°27.597' E125°14.166'	**FL400** **5.000 ft MSL**	118 Nm SW RKJJ Gwangju Twr : 254.6
MOA 23 (BLUE)		
N34°27.647' E125°14.119' - N34°27.571' E126°19.689' N34°07.988' E126°18.794' - N34°07.988' E125°13.601'	**FL400** **5.000 ft MSL**	126 Nm SW RKJJ Gwangju Twr : 254.6
MOA 24 (BLUE)		
N34°27.399' E126°19.705' - N34°27.309' E127°12.363' N34°07.966' E127°09.551' - N34°07.988' E126°18.794'	**FL400** **10.000 ft MSL**	78 Nm SW RKJJ Gwangju Twr : 254.6
MOA 25		
N35°03.163' E127°45.394' - N35°03.163' E128°14.786' N34°20.414' E128°12.046' - N34°12.666' E127°55.540' N34°12.736' E127°35.824'	**FL400** **10.000 ft MSL**	15 Nm S RKJJ Gwangju Twr : 254.6
MOA 26		
N35°03.163' E128°14.786' - N35°03.036' E129°30.688' N34°56.030' E129°30.153' - N34°20.414' E128°12.046'	**FL400** **10.000 ft MSL**	32 Nm SE RKJJ Gwangju Twr : 254.6
MOA 27		
N35°18.391' E128°06.493' - N35°42.941' E129°33.878' N35°18.373' E129°31.789'	**FL400** **11.000 ft MSL**	33 Nm NEE RKPS Sacheon Twr : 305.4
MOA 28		
N34°15.772' E129°00.000' - N34°47.972' E130°00.000' N34°35.942' E130°00.000' - N33°57.834' E129°00.000'	**FL400** **200 ft MSL**	50 Nm S RKPS Sacheon Twr : 305.4
MOA 29		
N33°50.640' E128°13.750' - N34°15.772' E129°00.000' N33°57.834' E129°00.000' - N33°50.587' E128°48.234'	**FL400** **3000 ft MSL**	72 Nm S RKPS Sacheon Twr : 305.4
MOA 30		
N38°05.807' E129°02.893' - N38°07.037' E129°29.571' N37°46.252' E129°27.583' - N37°42.070' E129°00.558'	**FL400** **10.000 ft MSL**	67Nm NNW RKNN Gangneung Twr : 334.9
MOA 31		
N38°07.037' E129°29.571' - N38°08.390' E129°59.012' N37°50.495' E129°57.079' - N37°46.252' E129°27.583'	**FL400** **10.000 ft MSL**	67Nm NNE RKNN Gangneung Twr : 334.9
MOA 32		
N37°40.639' E131°03.573' - N37°40.639' E132°00.000' N37°13,967' E132°00.000' - N37°35.308' E131°06.066'	**FL400** **10.000 ft MSL**	32Nm ESE RKNN Gangneung Twr : 334.9

MOA 33		
N37°40.639' E132°00.000' - N37°40.639' E132°42.117' N37°31.495' E132°52.513' - N37°01.626' E132°30.013' N37°13,967' E132°00.000'	**FL400** **10.000 ft MSL**	75Nm ESE RKNN Gangneung Twr : 334.9
ACMI ALPHA		
N37°21.606' E129°17.922' - N37°27.170' E126°48.480' N37°21.655' E127°20.132' - N36°45.092' E127°18.108' N36°45.092' E126°16.504'	**5.000 MSL** **SFC**	80 Nm W RKSW ACM Maneuvering. Suwon Twr : 366.0
ACMI BRAVO		
N37°21.606' E129°17.922' - N37°27.170' E126°48.480' N37°21.655' E127°20.132' - N36°45.092' E127°18.108' N36°45.092' E126°16.504'	**9.000 MSL** **6.000 MSL**	80 Nm W RKSW ACM Maneuvering Suwon Twr : 366.0
ACMI CHARLIE		
N37°21.606' E129°17.922' - N37°27.170' E126°48.480' N37°21.655' E127°20.132' - N36°45.092' E127°18.108' N36°45.092' E126°16.504'	**FL600** **10.000 MSL**	80 Nm W RKSW ACM Maneuvering Suwon Twr : 366.0
DOKDO		
N36°46.407' E131°38.404' - N36°46.407' E131°49.155' N36°03.465' E131°44.581' - N36°03.500 E131°33.842'	**2.000 AGL** **500 AGL**	Air Refueling / Preset #13 ACT by NOTAM
MALLIPO		
N36°20.310' E125°31.372' - N36°20.099' E126°00.000' N35°48.314' E126°00.000' - N35°48.173 E125°31.733'	**FL250** **FL140**	Air Refueling / Preset #13 ACT by NOTAM
ULLEUNGDO		
N36°54.461' E131°37.988' - N36°47.677' E131°55.820' N36°11.276' E131°51.996' - N36°16.405' E131°33.544'	**FL250** **FL140**	Air Refueling USAF / #13 ACT by NOTAM
WIDO		
N35°16.924' E125°28.812' - N35°11.685' E125°59.890' N34°33.259' E125°59.589' - N34°37.911' E125°29.523'	**FL250** **FL140**	Air Refueling USAF / #13 ACT by NOTAM
KOREA AIR DEFENSE IDENTIFICATION ZONE		
Korea ADIZ (KADIZ) N38°45.123' E123°39.840' - N40°28.524' E132°55.900' N37°38.570' E133°16.529' - N37°25.180' E132°51.954' N35°21.522' E131°20.848' - N33°50.621 E128°58.943' N33°50.403' E124°39.018' - N35°52.098' E124°41.073'	**UNL** **SFC**	Guard UHF 243.0 VHF 121.5

2.3.2 Japan

Name and lateral limits	Upper Limit / Lower Limit	Remarks
RJ(T)- AREA N1		
N35°02.390' E130°50.266' - N35°02.040' E131°01.122' N34°58.762' E131°13.228' - N34°38.088' E131°00.175' N34°56.664' E130°41.346'	**FL400** **10000'**	JASDF Air to Air firing 100Nm West of Iwami: 225.5
RJ(M) FIRING4		
N34°58.762' E131°13.228' - N34°51.492' E131°38.921' N34°16.467' E131°18.246' - N34°25.020' E131°00.000' N34°38.088' E131°00.175'	**FL400** **10000'**	JASDF Air to Air firing 80Nm West of Iwami: 225.5
RJ(T)- AREA N21		
N35°51.038' E131°41.725' - N35°47.454' E132°09.353' N35°09.952' E132°22.581' - N35°09.952' E131°02.171' N35°21.360' E131°20.128'	**FL400** **10000'**	JASDF Air to Air training. 40Nm North Iwami: 225.5
RJ(T)- AREA N22		
N35°47.454' E132°09.353' - N35°36.040' E133°41.086' N35°26.668' E133°48.483' - N35°04.376' E132°41.251' N35°09.952' E132°22.581'	**FL400** **10000'**	JASDF Air to Air training. 75Nm North West of Iwami: 225.5

2.3.3 North Korea

Nil

2.3.4 China

Nil

2.3.2 Russia

Nil

Note:

Each MOA is controlled by a nearby airbase tower agency.
Use the frequency as UNICOM to self-announce your flight in the relevant area with your training time slot and purposes.
Maintain a listening watch on the listed frequency during area occupancy.
Regional/local pressure settings are available as well.

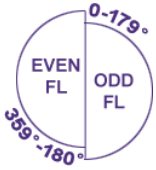
2.4.1 South Korea & Japan

G597	Agavo	**Kimpo tacan**	**Anyang Vortac**	Enkas	Karbu	**Gangwon Vortac**	Sorka	Lanat
	Shanghai FIR	083X	102 X			103X		Fukuoka FIR
	090°/270°		137°317°	080/260°			117°/297°	
G585	**Anyang Vortac**	Noru	Bigob	**Yecheon Tacan**	Parot	**Pohang Tacan**	Sapra	
	102 X			026X		072X	Fukuoka FIR	
		117°297°		124°/304°			099°/299°	
A582	**Anyang Vortac**	**Osan Tacan**	**Talsung Vortac**	**Pusan Tacan**				
	102 X	094X	059X	087X				
	164°/344°	128°/308°	138°/318°					
B576	**Anyang Vortac**	**Osan Tacan**	Crown	Rinbo	**Gwangju Tacan**	Ipdas	Cheju	
	102 X	094X			091X		offmap	
	164°/344°		186°/006°			191°/011°		
V549	**Gunsan Tacan**	Tolci	Rinbo	Wolf	**Talsung Vortac**	**Pohang Tacan**		
	102 X				059X	072X		
		093°/273°			077°/257°			
V547	**Gwangju Tacan**	Igdok	**Talsung Vortac**					
	091X		059X					
		070°/250°						
W45	**Gwangju Tacan**	Tedan	Niket	Saram	**Pusan Tacan**			
	091X				087X			
		089°/269°		124°/304°				
W66	**Talsung Vortac**	Saram	Topax					
	059X							
		178°/358°						
Y549	**Pusan Tacan**	Topax	Cheju					
	087X		offmap					
		235°/055°						

G339	**Pusan Tacan** 087X	**Invok** Fukuoka FIR 106°/286°	**Beetl**	**Fukuoka Tacan** 057X	
V11	Sorka 177°/357°	**Pohang Tacan** 072X			
B467	**Gangwon Vortac** 103X 090°/270°	Andol Fukuoka FIR			
G340	**Beetl** Fukuoka FIR 090°/270°	Toyota			

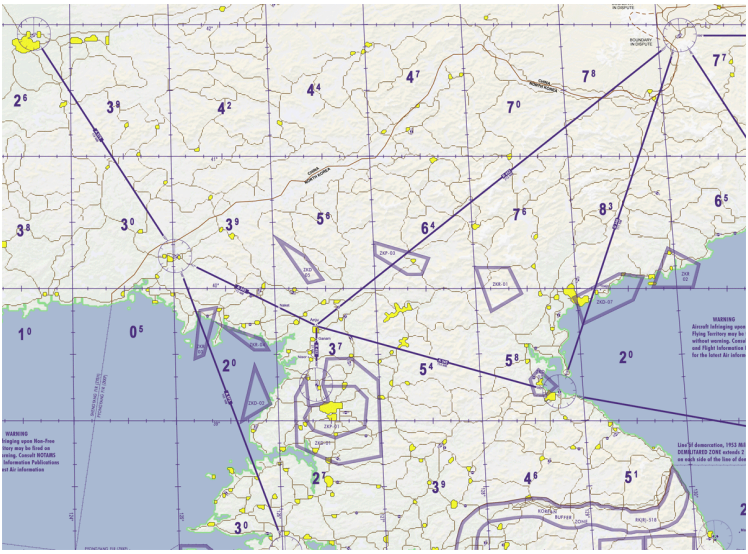
2.4.2 Cruising level in KTO

2.4.2.1 VFR



2.4.2.2 IFR

2.4.3 North Korea & China



A575	**Shenyang Tacan** 088X 147°/327°	**Uiju Tacan** 055X	**Ongjin Tacan** 058X 160°/340°		
A345	**Uiju Tacan** 055X 117°/297°	Naket	Anju 105°285°	**Wonsan Tacan** 054X 100°/280°	Kansu Kimpo FIR
R452	**Sunan Tacan** 051X 180°/360°	Anju 051°/231°	**Samjiyon Tacan** 050X		
G346	**Wonsan Tacan** 054X 019°/199°	**Samjiyon Tacan** 050X 090°/270°	Rivat UHHH FIR		
R224	**Samjiyon Tacan** 050X 146°/326°	Kansu Kimpo FIR			

PART THREE: AERODROMES (AD)

KOREAN THEATER OPERATION

AERONAUTICAL INFORMATION PUBLICATION

AD 3.1 INDEX OF AIRPORTS

3.1.1. SOUTH KOREA AIRBASES

Airport		ATC			TCN	Rwy	ILS (RWY)	Elev (ft)	BMS GPS coord
ICAO	Name	GND	TWR	APP					
RKTU	Cheongju	275.8	250.2	292.9	**042X**	06L/24R 06R/24L	111.7 (24R)	187	N36°48.100' E128°36.314'
RKTN	Daegu	275.8	365.0	346.3	**125X**	13L/31R 13R/31L	111.9 (13L) 108.7 (13R) 108.7 (31L)	353	N35°57.916' E129°55.548'
RKNN	Gangneung	275.8	334.9	304.0	**056X**	08/26	111.5 (26)	35	N37°46.733 E130°30.560'
RKPK	Gimhae	274.8	233.3	225.1	**117X**	18L/36R 18R/36L	108.5 (18R) 109.5 (36L)	39	N35°13.558' E130°12.398
RKSS	Gimpo	236.7	240.9	363.8	**083X**	14L/32R 14R/32L	109.9 (14L) 108.7 (14R) 108.3 (32L) 110.7 (32R)	96	N37°36.868' E127°42.801'
RKJK	Gunsan	273.525	292.3	292.65	**075X**	18/36	110.3 (18) 110.3 (36)	10	N35°57.554' E127°24.492'
RKJJ	Gwangju	275.8	254.6	268.0	**091X**	04L/22R 04R/22L	111.1 (04L&22R)	110	N35°13.065' E127°39.682'
RKSI	Incheon	266.925	231.8	293.225	**085X**	15L/33R 15R/33L	111.9 (15L) 109.1 (15R) 109.3 (33L) 108.9 (33R)	10	N37°32.897' E127°23.360'
RKTY	Jungwon	275.9	230.15	306.7	**005X**	18L/36R 18R/36L	111.3 (18L) 111.3 (36R)	642	N36°59.793' E129°09.781
RKJB	Muan	231.7	228.25	240.0	**065X**	01/19	111.9 (01) 108.9 (19)	44	N35°02.019' E127°09.083'
RKSO	Osan	253.7	308.8	306.3	**094X**	09L/27R 09R/27L	111.3 (09L&27R)	97	N37°04.141' E128°00.881'
RKTH	Pohang	275.4	236.6	232.4	**072X**	10/28	110.9 (10)	37	N36°02.779' E130°48.826'
RKSG	Pyeongtaek	229.7	257.8	363.1	**019X**	14/32	108.75 (32)	102	N36°57.931' E128°03.884'
RKPS	Sacheon	275.8	305.4	317.425	**037X**	06L/24R 06R/24L	111.5 (06L) 108.1(24R)	20	N35°08.528' E129°08.760'
RKTP	Seosan	275.8	353.1	253.95	**052X**	03L/21R 03R/21L	111.5 (03R) 110.1 (21L)	26	N36°41.807' E127°19.884'
RKSM	Seoul	276.2	237.1	363.9	**046X**	19/01 18/36	108.95 (18) 110.9 (19)	258	N37°27.586' E128°07.474
RKND	Sokcho	240.4	236.6	304.4	**059X**	08/26	111.0 (26)	77	N38°06.060' E130°07.496'
RKSW	Suwon	275.7	366.0	306.4	**022X**	15L/33R 15R/33L 16/34	108.5 (33R)	167	N37°16.422' E127°57.495'

Airport		ATC			TCN	Rwy	ILS (RWY)	Elev (ft)	BMS GPS coord
ICAO	Name	GND	TWR	APP					
RKNW	Wonju	277.8	265.5	292.6	**060Y**	03/21	110.2 (03)	580	N37°27.477' E129°13.341'
RKNY	Yangyang	280.125	240.35	241.6	**043X**	15/33	109.3 (33)	230	N38°04.150' E130°12.231'
RKTY	Yecheon	234.5	269.5	229.35	**026X**	10/28	109.3 (28)	486	N36°41.667' E129°40.094'

3.1.2. SOUTH KOREA AIRSTRIPS

Airstrip	Twr (UHF/VHF)	RWY	Elev (ft)	Localisation	Latitude	Longitude
Chongwon	233.8/122.8	18/36	368	**R180° 042X Dme11**	N36°37.265'	E128°35.318'
Chunchon	233.8/122.8	18/36	383	**R040° 094X Dme66**	N37°53.781'	E128°56.751'
Kumi	236.6/122.6	09/27	254	**R195° 026X Dme30**	N36°12.633'	E129°28.087'
R103	236.6/122.6	09/27	135	**R200° 083X Dme07**	N37°28.610'	E127°39.140'
R107	233.8/122.8	18/36	136	**R325° 094X Dme51**	N37°46.237'	E127°28.889'
R110	233.8/122.8	18/36	68	**R245° 019X Dme21**	N36°49.119'	E127°39.642'
R113	236.6/122.6	09/27	171	**R030° 083X Dme10**	N37°43.159'	E127°49.588'
R217	233.8/122.8	18/36	455	**R010° 094X Dme56**	N37°58.092'	E128°18.822'
R218	233.8/122.8	18/36	236	**R360° 094X Dme61**	N38°03.480'	E128°04.842'
R222	233.8/122.8	18/36	360	**R045° 083X Dme25**	N37°52.703'	E128°06.146'
R419	233.8/122.8	18/36	1063	**R360° 005X Dme43**	N37°41.926'	E129°12.823'
R505	233.8/122.8	18/36	130	**R230° 042X Dme17**	N36°37.265'	E128°19.205'
R601	236.6/122.6	09/27	666	**R195° 026X Dme30**	N36°41.731'	E129°25.817'
R605	233.8/122.8	18/36	920	**R055° 005X Dme21**	N37°10.673'	E129°31.878'
Singal	233.8/122.8	18/36	363	**R190° 046X Dme08**	N37°19.295'	E128°07.928'
Songwhan	233.8/122.8	18/36	191	**R125° 019X Dme06**	N36°54.508'	E128°09.622'
Yongju	233.8/122.8	18/36	589	**R050° 026X Dme15**	N36°51.275'	E129°55.131'

3.1.3. JAPAN

Airport		ATC			TCN	Rwy	ILS (RWY)	Elev (ft)	BMS GPS coord
ICAO	Name	GND	TWR	APP					
RJOA	Hiroshima	299.3	357.65	392.625	**24X**	10/28	108.8 (10)	1070	N34°23.223' E133°53.935'
RJOI	Iwakuni MCAS	321.3	299.75	331.4	**126X**	02/20	110.15(02)	10	N34°09.212' E133°28.029'
RJFF	Iwami	236.8	225.5	279.2	**057X**	11/29	108.7(11)	106	N34°38.533' E132°56.161'
RJDT	Tsushima	230.9	231.9	240.125	**064X**	14/32	108.7(32)	160	N34°19.451' E130°35.095'
RJDC	Yamaguchi	265.8	260.2	323.75	**045X**	07/25	110.1(07)	15	N33°55.203' E132°29.160'

3.1.4. NORTH KOREA AIRBASES

Airport		ATC			TCN	Rwy	ILS	Elev	BMS GPS coord
ICAO	Name	GND	TWR	APP					
KP-0002	Haeju	282.6	280.4	278.6	R085° 58X Dme28	12/30		113	N38°02.223' E126°36.807'
KP-0020	Hwangju	338.4	337.6	335.2	R190° 59X Dme22	12/30		231	N38°42.959' E126°32.227'
KP-0035	Hwangsuwon	312.6	368.5	344.3	R190° 50X Dme73	12/30		3991	N40°43.756' E129°50.507'
KP-0019	Hyon-Ni	241.9	240.9	230.5	R188° 54X Dme33	02/20		2598	N38°41.300' E128°37.565'
KP-0059	Iwon	240.6	234.4	228.9	R170° 50X Dme94	08/26		470	N40°24.718' E130°26.856'
KP-0018	Kaech'on	333.1	350.0	340.8	R025° 51X Dme35	03/21		204	N39°47.400' E126°42.427'
KP-0015	Koksan	320.2	318.2	319.2	R245° 54X Dme60	05L/23R 05R/23L		1058	N38°48.157' E127°32.883'
KP-0013	Kuum-ni	350.2	388.7	380.6	R125° 54X Dme32	05L/23R 05R/23L		198	N38°54.190' E129°17.199'
KP-0039	Kwail	350.0	349.4	349.6	R220° 51X Dme64	14/32		274	N38°26.721' E125°29.149'
KP-0053	Manp'o	262.65	242.4	262.4	R060° 55X Dme124	01/19		1392	N41°11.801' E127°27.140'
KP-0011	Mirim	225.1	225.3	225.2	**59x**	08/26		127	N39°03.544' E126°39.615'
KP-0023	Onch'on	300.6	302.4	301.7	R235° 51X Dme34	02L/20R 02R/20L		13	N38°57.412' E125°45.757'
KP-0050	Ongjin	322.5	368.1	364.2	**58x**	11/29		248	N37°59.158' E126°01.761'
KP-0032	Orang	263.1	264.0	244.3	R110° 50X Dme80	03/21		151	N41°27.626' E131°48.613'
KP-0030	Panghyon	271.6	270.8	268.6	R115° 55X Dme42	02L/20R 02R/20L		362	N39°58.840' E125°51.027'
KP-0022	Pukch'ang-up	265.5	264.9	265.1	R035° 51X Dme28	14/32		288	N39°37.849' E126°44.436'
KP-0029	Samjiyon	298.1	299.1	300.25	**50x**	05L/23R 05R/23L		4478	N41°55.243' E130°13.612'
KP-0008	Sondok	340.3	343.8	342.6	R360° 54X Dme35	02/20		32	N39°47.577' E128°47.130'

Airport		ATC			TCN	Rwy	ILS (RWY)	Elev	BMS GPS coord
ICAO	Name	GND	TWR	APP					
ZKPY	Sunan	262.5	264.0	265.0	**51x**	18/36 16/34	109.9(18) 110.3(34) 109.5(36)	174	N39°14.713' E126°21.631'
ZKSC	Sunchon	256.2	253.1	254.8	R055° 51X Dme19	16L/34R 16R/34L		228	N39°26.670' E126°42.318'
KP-0006	T'aech'on	260.4	275.5	268.9	R345° 51X Dme43	12/30		213	N39°57.415' E126°10.724'
KP-0005	Taetan	209.3	288.7	284.7	R320° 58X Dme12	08/26		174	N38°08.607' E125°51.628'
ZKTS/ KP-0025	Toksan	340.7	324.8	331.6	**53x**	05/23	109.6(05) 109.6(23)	447	N40°03.018' E128°58.862'
ZKUJ / KP-0004	Uiju	370.6	372.0	372.55	**55x**	05/23	110.4(05) 110.0(23)	120	N40°14.825' E125°01.100'
ZKWS	Kalma	240.65	244.4	264.4	**54x**	01/19 15/33		14	N39°13.084' E128°45.577'

3.1.6. NORTH KOREA AIRSTRIPS

Airstrip	Code	Twr (UHF/VHF)	RWY	Elev (ft)	Localisation	Latitude	Longitude
Ayang-Ni	KP-0037	233.7/127.7	09/27	370	**R160° 051X Dme62**	N38°18.184'	E126°43.238'
Hoeyang SE	KP-0061	233.7/127.7	09/27	1695	**R227°054X Dme55**	N38°47.282'	E128°54.712'
Ich'on	KP-0034	233.7/127.7	09/27	1084	**R120° 051X Dme83**	N38°36.505'	E127°51.762'
Kaech'on SW		231.4/123.4	18/36	516	**R015° 051X Dme37**	N39°51.249'	E126°37.207'
Kilchu	KP-0016	231.4/123.4	18/36	448	**R135° 050X Dme79**	N40°59.144'	E131°18.570'
Kojo	KP-0057	233.7/127.7	09/27	616	**R135° 054X Dme31**	N38°52.132'	E129°11.725'
Koksan	KP-0014	231.4/123.4	18/36	1064	**R115° 051X Dme65**	N38°47.665'	E127°35.473'
Kwaksan	KP-0012	233.7/127.7	09/27	301	**R315° 051X Dme41**	N39°43.861'	E125°44.733'
Kyongsong Chuul	KP-0055	231.4/123.4	18/36	173	**R105° 050X Dme77**	N41°35.786'	E131°48.478'
Nuch'on-Ni	KP-0052	233.7/127.7	09/27	180	**R147° 051X Dme71**	N38°16.568'	E127°07.865'
Okpyong-Ni	KP-0051	233.7/127.7	09/27	174	**R295° 054X Dme12**	N39°19.613'	E128°30.958'
Panghyon	KP-0031	233.7/127.7	09/27	463	**R120° 055X Dme40**	N39°56.254'	E125°46.633'
Pongsan		233.7/127.7	09/27	188	**R167° 051X Dme45**	N38°32.194'	E126°32.937'
Sangwon	KP-0028	233.7/127.7	09/27	326	**R140° 059X Dme14**	N38°53.209'	E126°50.598'
Sonch'on	KP-0045	233.7/127.7	09/27	281	**R150° 055X Dme32**	N39°47.633'	E125°19.635'
Sugam-Ni	KP-0044	233.7/127.7	09/27	110	**R095° 050X Dme79**	N41°46.179'	E131°56.882'
Taebukpo-Ri	KP-0007	233.7/127.7	09/27	458	**R130° 051X Dme88**	N38°21.417'	E127°46.622'
Tangch'on		233.7/127.7	09/27	196	**R165° 050X Dme95**	N40°25.352'	E130°36.617'
Yonghung	KP-0040	233.7/127.7	09/27	22	**R330° 054X Dme23**	N39°33.084'	E128°33.424'

3.1.7. CHINA

Airport		ATC			TCN	Rwy	ILS	Elev	BMS GPS coord
ICAO	Name	GND	TWR	APP					
ZYLH	Liuhe	380.6	390.8	380.8	R080° 088X Dme112	01/19		1555	N42°09.997' E126°05.412'
ZYTX	Shenyang	317.5	395.5	393.6	**088x**	05L/23R 05R/23L		254	N41°55.587' E123°37.946'

3.1.8. RUSSIA

Airport		ATC			TCN	Runway	ILS (RWY)	Elev	BMS GPS coord
ICAO	Name	GND	TWR	APP					
UUNA	Uglovoye	392.5	398.8	392.7		14/32		600	N42°59.916' E134°00.718'

AD 3.2 AIRPORT APPROACH CHARTS

See BMS Docs folder

"Docs/03 KTO Charts/"