

ESCUADRÓN 69



Shooting Star Campaign

**Briefing
Operation Bravo**

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Orders

In response to the violation of article nº 8 S/RES/1718(2006) of the Virtual Security Council of the United Nations, and acting under the authority of the articles nº 42 and 51 of the Charter of the United Nations, it is hereby authorized the use of the force to dismantle the ballistic missile complex in North Korea. In case of military response from North Korea, it is hereby authorized the use of the force to repel the attacks under the authority of the aforementioned articles nº 42 and nº 51.

According to article nº 46 of the Charter of the United Nations, the General Staff established for Shooting Star Campaign orders the destructions of the underground missile complex located at Ongch'on, as well as the supporting complexes of the nearby towns of Yongso-dong and Hwangsuwon.

- AMVI.....Yongso-dong Radar station.
- VEAF.....Hwangsuwon AB.
- Escuadrón 69.....Ongch'on Underground Factory.
- 320sq (e-HAF)..... Packages protection. SEAD and A/A.

Bravo Operation

Operation Bravo will encompass the joint attack of the participating squadrons to the installations ordered by the General Staff established for the Shooting Star Campaign. At the same time, it will encompass all the support flights needed for the success of the main mission, such as refuel flights, Air Traffic Control and AWACS.

Operation Bravo will be an cooperative online mission coordinated and managed by Escuadrón 69 with the help of all the participating squadrons.

All the necessary information is available in the following links:

<http://www.escuadron69.net/v20/foro/index.php?/topic/41361-vital-links/>

<http://www.escuadron69.net/v20/foro/index.php?/topic/42091-bravo-operation/>

Rules for Bravo Operation

- The briefing and the mission will be sent to the responsible of each squadron, who will then in turn publish it for the rest of the participating pilots.
- All the procedures for **connecting to the server** and **communications** during the mission will be **followed to the dot** by all the participating pilots, in order to avoid failures in the connection and guarantee the stability of the server.
- Server connection procedure will be the standard used on the last trainings.
- Once in the cockpit, the flight leader will contact tower and will inform of the place of the airbase where his flight is located in order to receive taxiing instructions from tower. All the flights will start in Ramp with a cold start. Once ready for taxi, flight leader will notify and await tower instructions.
- The armament loaded for each package can be changed by flight leaders according to international treatments in force.
- All flights will depart from the airbases assigned to their squadrons on Operation Amadeus.
 - AMVI.....Suwon AB
 - VEAf.....Chongju AB
 - 320sq (e-HAF).....Seul AB
 - Escuadrón 69.....Kimp'o AB
- Prohibited areas will be avoided and Korea scenario's navigation charts will be followed.
- It is authorized to enter following restricted airspace (refer to pictures 1 and 5):
 - MOA 7
- In case refuelling is needed, it is authorized to enter following restricted airspaces (refer to pictures 1 and 5):
 - (RK) R107
 - Kangnung AB.
- In case of system failure or combat related damage, all pilots will try to return to South Korean airspace, except in case of emergency where pilot's life is in danger.
- Alternative airbase for all flights will be Kangnung AB (refer to picture x).

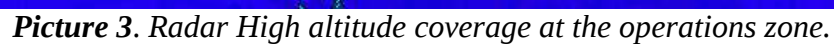
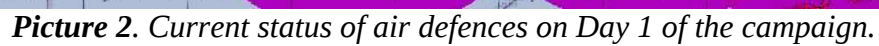
Operations zone

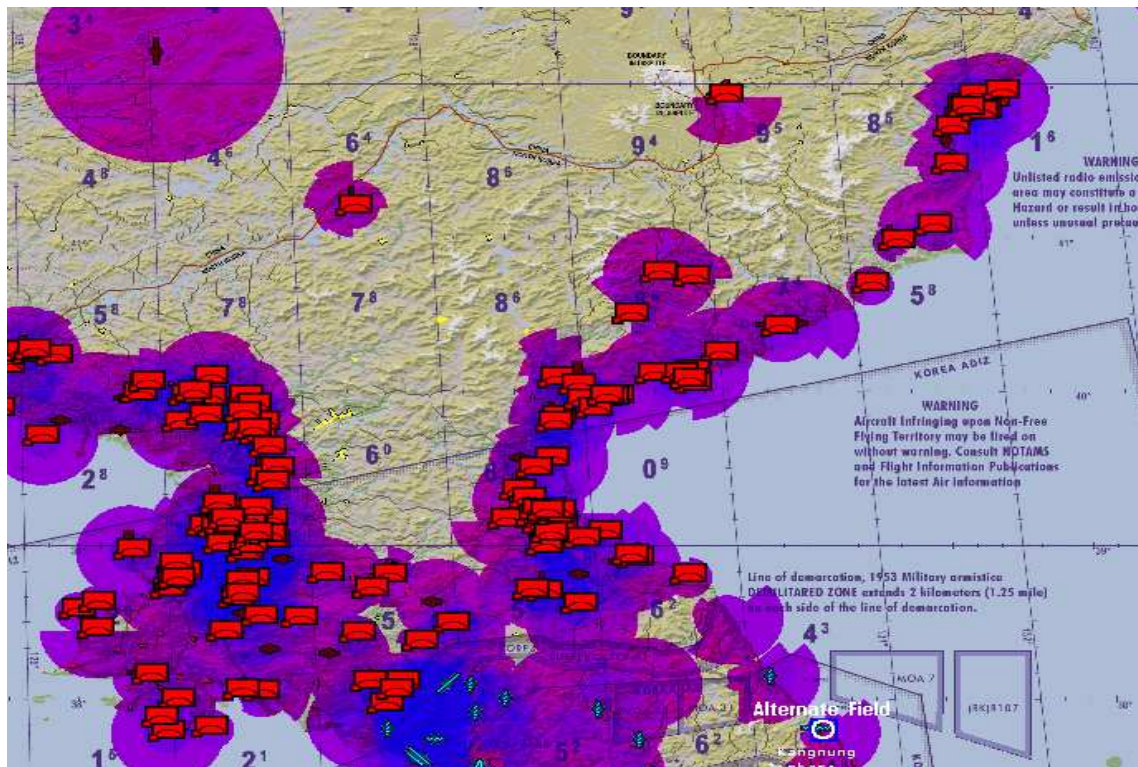
Operations scenario: Korea

Simulator: Open Falcon 4.5



Picture 1. Picture of the Korean scenario for Open Falcon





Picture 4. Radar Low altitude coverage at the operations zone

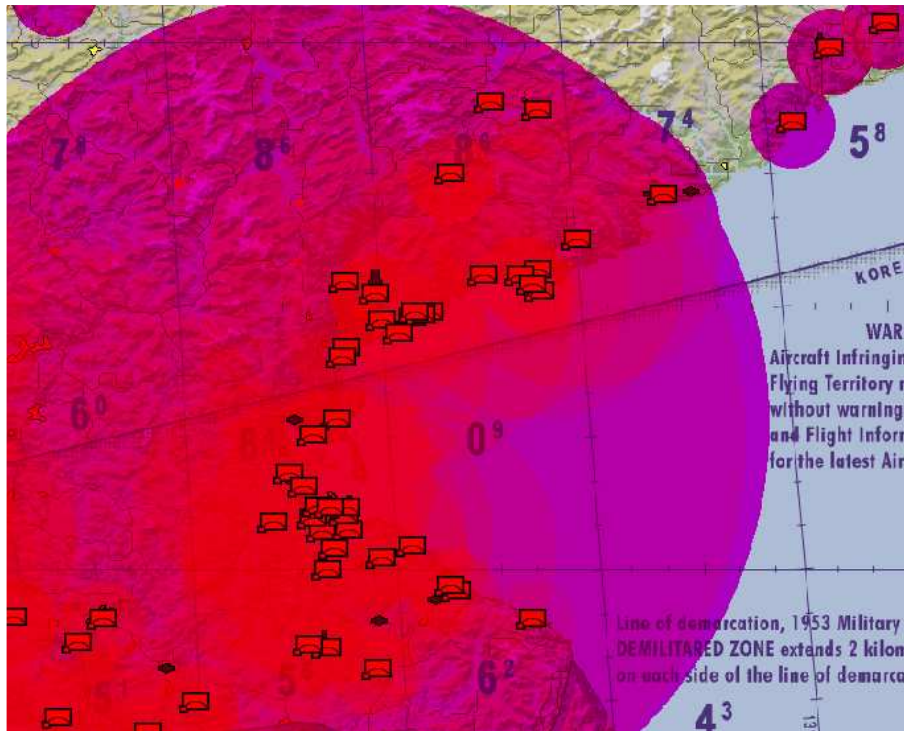
North Korea is one of the most heavily defended countries in the world. Intelligence reports that most of the air defense squadrons owned by the North Koreans are operative. In top of that, SA-2, SA-3 and SA-5 batteries, along with a number of AAA battalions, will help in the defense of North Korean airspace against enemy incursions.

North Korean airspace is heavily guarded and defended. Its early warning radars are quite old but still effective. Its high altitude coverage, topped off with its communications network and air defenses, provides a good defense of its territory. On the other hand, the difficult orography of the country prevents good radar coverage at low altitudes, with big gaps between coverage zones. Our analysts suggest that low altitude incursions in North Korean airspace will be very hard to detect.

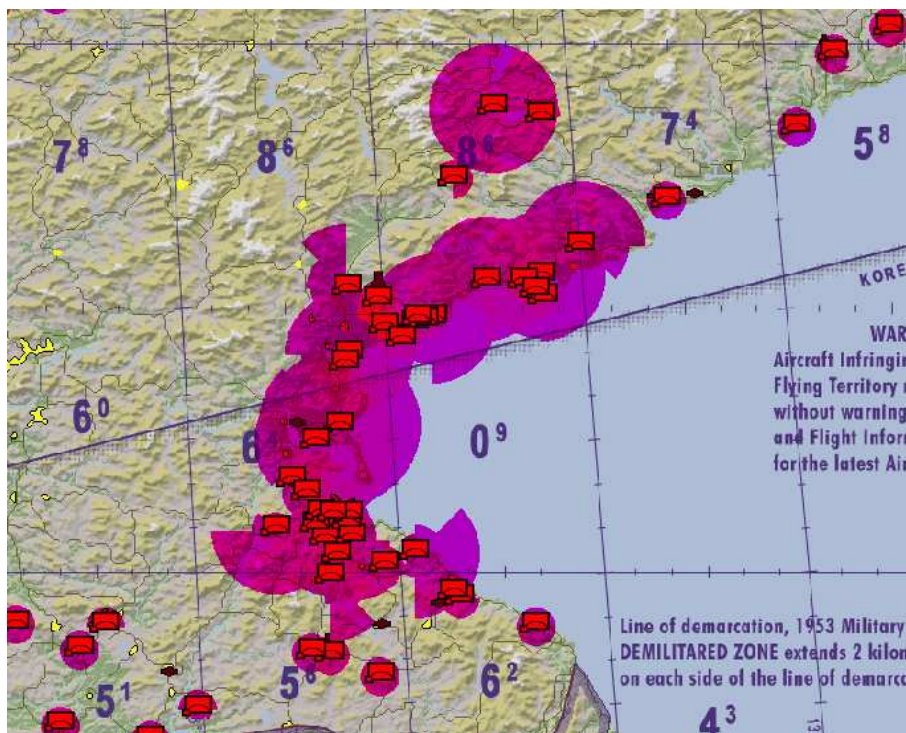
Even though the allied airbases chosen for the operations are outside the effective range of the North Korean air defences, it is important to extreme caution when operating near the FLOT. Currently there are no signs of North Korean air or land incursions in the first phases of the campaign.

South Korean air defences will increase their readiness status to the maximum on the next hours before hostilities break out. Our land forces deployed in the zone are also on alert, guarding the DMZ and ready to repel any land attack that might develop in the next hours.

Surface-to-air threats information



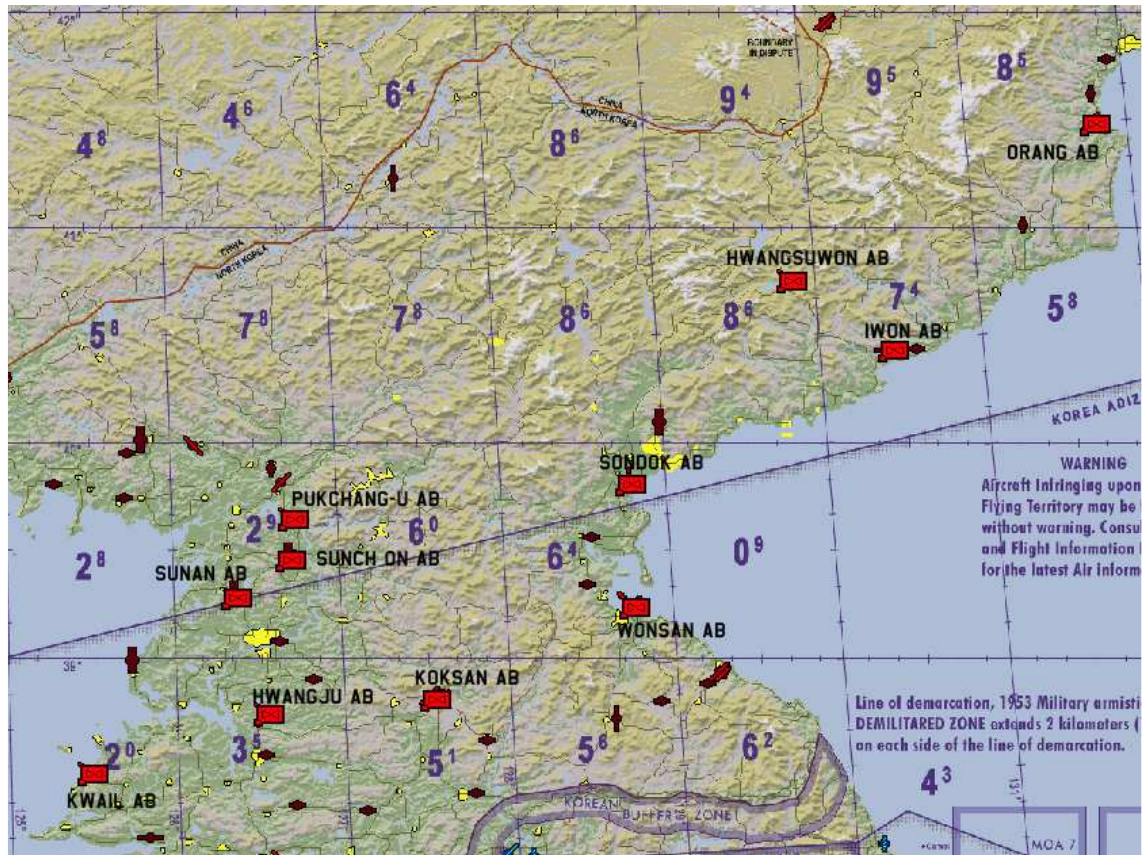
Picture 5. High Altitude air defences range in the operation zone.



Picture 6. Low Altitude air defences range in the operation zone.

North Korean east coast's orography permits low altitude incursions to the northern part of the country. Our objectives are located in a very mountainous zone, which will allow our flights to attack their installations undetected.

Air-to-air threats information



Picture 7. DPRK's main air bases.

Hwanju AB:
36 MIG -19SF
18 MIG -19 PM

Iwon AB:
54 MIG -21F

Kwail AB:
54 MIG -21F
28 IL - 28

Pukch'ang-up AB:
18 MIG -23ML
36 MIG -29 A
22 Mi-8
44 Mi-24

Sunch'on AB:
54 MIG -21F
18 MIG -21 Bis
54 MIG -23 ML

Hwangsuwon AB:
54 MIG -21F
18 MIG -21 Bis

Koksan AB:
36 MIG -21F

Orang AB:
54 MIG -21F
18 MIG -21 Bis

Sondok AB:
28 IL -28

Sunan AB:
24 SU -25
24 IL -76M
24 AN -24

Wonsan AB:
72 MIG -19SF
36 MIG -19PM

North Korea has a big pool of air-to-air assets. Its defence is based upon Soviet-made aircraft models, the most numerous of them being the modernised MiG-19 and MiG-21s. Latest acquisitions such as the MiG-25, Su-25 and MiG-29 are deployed almost entirely at Puch'ang-up airbase, their main mission being the defence of Pyongyang.

Although the zone object of our attack is far from their coverage, we cannot discard hostile responses against our own airspace. Main threats in our zone of operations are the east coast's airbases, especially Wonsan, Iwon and Hwangsuwon airbases.

Development of the attack

All the flights will depart according to the schedule of the briefing and will head towards point **NAMAE (near MOA 7)** where they will descend to the planned altitude in order to avoid detection by North Korean early warning radars (**300/500 ft**), except the TARCAP flights. The rest of the packages will head towards the TGT, and egressing will also maintain same altitude and close formations to avoid detection.

The first attack will be carried out by members of the **320sq (e-HAF)**, who will suppress the two SA-5 battalions located at the east coast of North Korea. **(08:38 Falcon Time)**.

The rest of the flights (**AMVI, VEAF, E69**) will attack their objectives simultaneously at **08:55 Falcon Time**. On RTB and upon reaching the FLOT, all the flights are authorized to climb and maintain normal operating altitudes until landing.

TARCAP flights (e-HAF) will maintain **25.000 ft** awaiting further instructions at the zone assigned to the patrol (**MOA 7**).

All the flights will have **2 tankers** available at **(RK) R107 area** to refuel on egressing should the need arise. If needed, **Kangnung AB (refer to picture x)** is ready and on alert to refuel aircrafts **in case of emergency**.

❖ Mission radio callsigns:

- | | |
|-------------------------------------|--------------------------------------|
| ➤ AMVI (SEAD).....3950. Python1 | (VHF- 05 –TS Escuadrón 69--). |
| ➤ AMVI (Deep).....3950. Serpent1. | (VHF- 06 –TS Escuadrón 69--). |
| ➤ VEAF (SEAD).....3955. Stud1. | (VHF- 07 –TS Escuadrón 69--). |
| ➤ VEAF (Deep).....3955. Roach2. | (VHF- 08 –TS Escuadrón 69--). |
| ➤ E69 (SEAD).....3944. Lobo1. | (VHF- 03 –TS Escuadrón 69--). |
| ➤ E69 (Deep).....3944. Panther1. | (VHF- 04 –TS Escuadrón 69--). |
| ➤ 320sq (SEAD).....1433. Fury1. | (VHF- 09 –TS Escuadrón 69--). |
| ➤ 320sq (TARCAP).....3960. Hopper1. | (VHF- 01 –TS Escuadrón 69--). |
| ➤ 320sq (TARCAP).....3960. Garbo2. | (VHF- 02 –TS Escuadrón 69--). |
| ➤ AWACS.....Magic1. | (VHF- 10 –TS Escuadrón 69--). |
| ➤ SUWON TOWER..... | (VHF- 15 –TS Escuadrón 69--). |
| ➤ KIMPO TOWER..... | (VHF- 16 –TS Escuadrón 69--). |

The scheduled time of departure of each flight is as follows (Falcon Time):

Takeoff	Role	Package
07:50:34	SEAD Strike	3944
07:53:43	SEAD Strike	1433
07:55:19	Deep Strike	3944
07:55:31	SEAD Strike	3950
08:00:07	SEAD Strike	3955
08:00:33	Deep Strike	3950
08:04:30	Tanker	3867
08:04:33	HAYCAP	3867
08:05:22	Tanker	3870
08:05:33	TARCAP	3960
08:05:57	Deep Strike	3955
08:06:02	HAYCAP	3870
08:06:11	TARCAP	3960

❖ Flight Plans and TGTs:

Squadron: E69

Package: 3944

Callsign: Lobo1. 4 F-16C 52. **(VHF- 3 –TS Escuadrón 69--).**

TGT: 3942th Air defence Battalion.

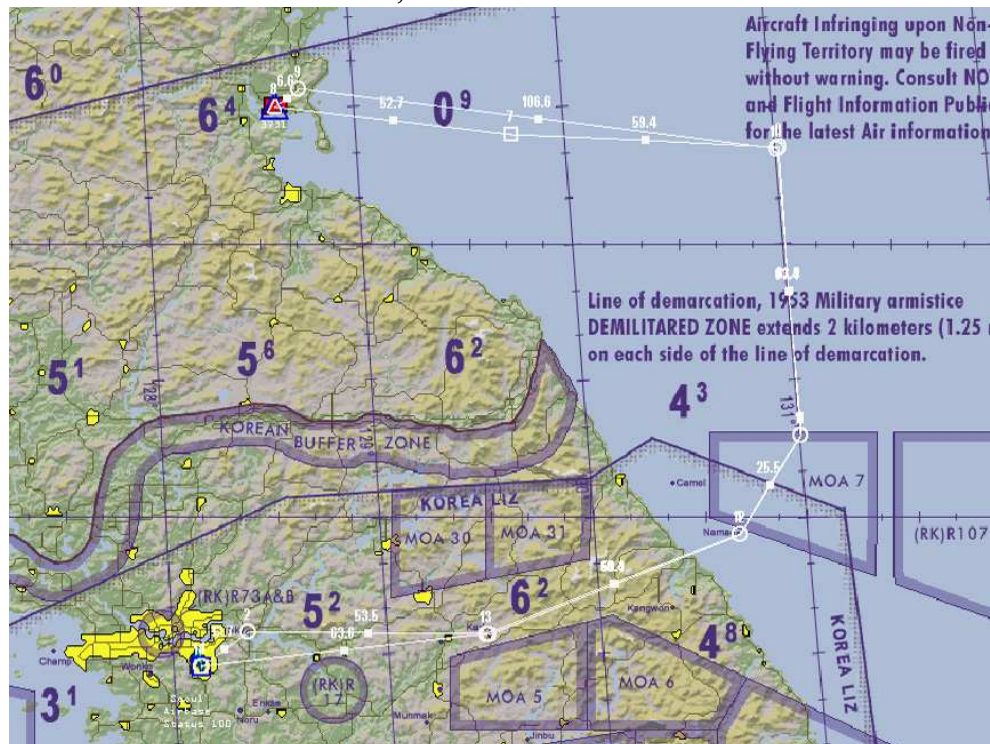


Squadron: 320sq (e-HAF).

Package: 1433

Callsign: Fury1. 2 F-16C 52 +. **(VHF- 9 -TS Escuadrón 69--).**

TGTs: 3731th Air defence Battalion, 3730th Air defence battalion.

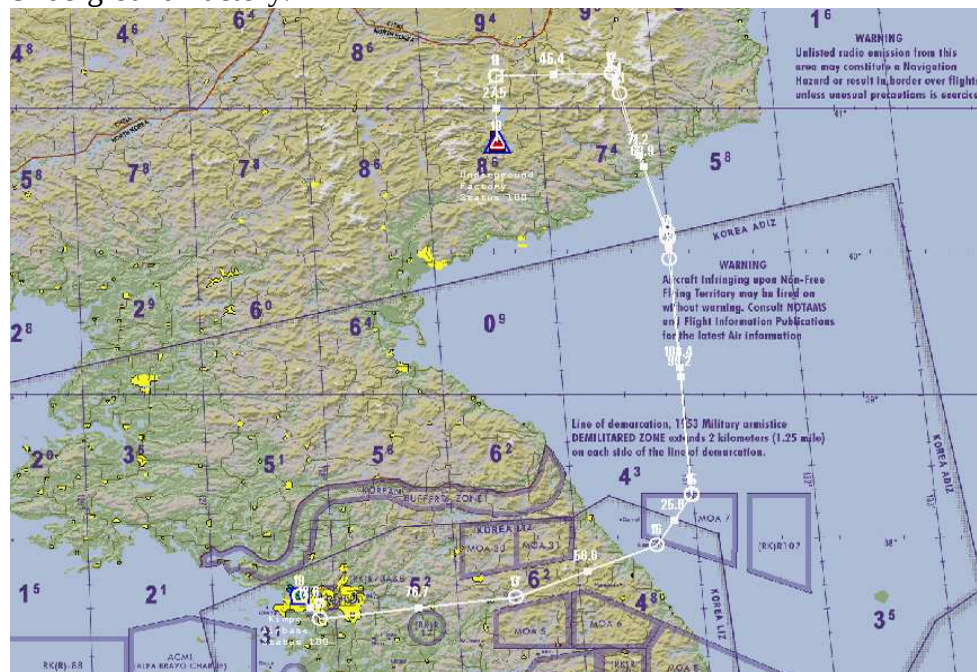


Squadron: E69

Package: 3944

Callsign: Panther1. 4 F-16C 52. (VHF- 4 –TS Escuadrón 69--).

TGT: Underground Factory.

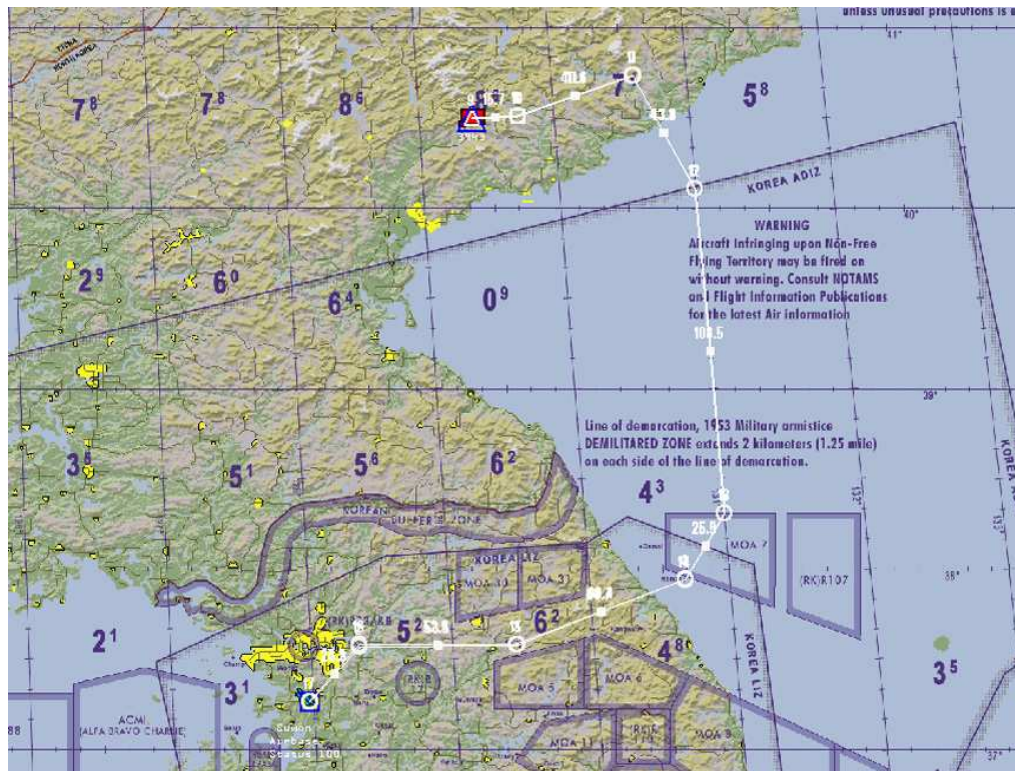


Squadron: AMVI

Package: 3950

Callsign: Python1. 4 F-16C 30. **(VHF- 5 –TS Escuadrón 69--).**

TGT: 3943th Air defence Battalion.

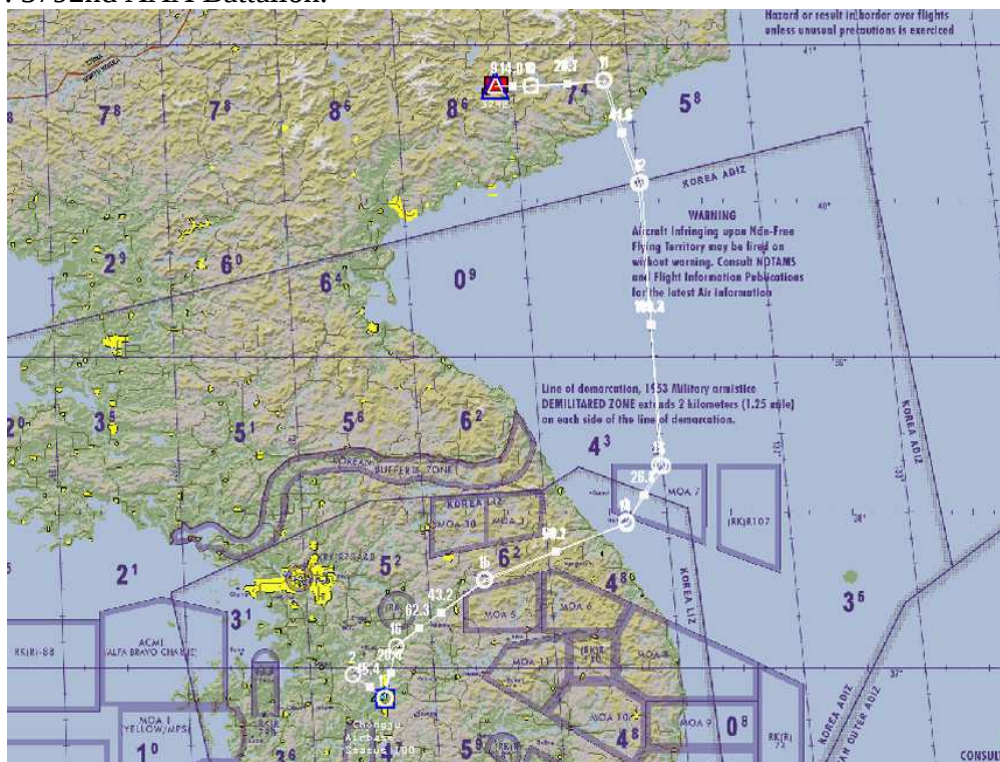


Squadron: V EAF

Package: 3955

Callsign: Stud1. 4 F-16C 52. **(VHF- 7 –TS Escuadrón 69--).**

TGT: 3792nd AAA Battalion.

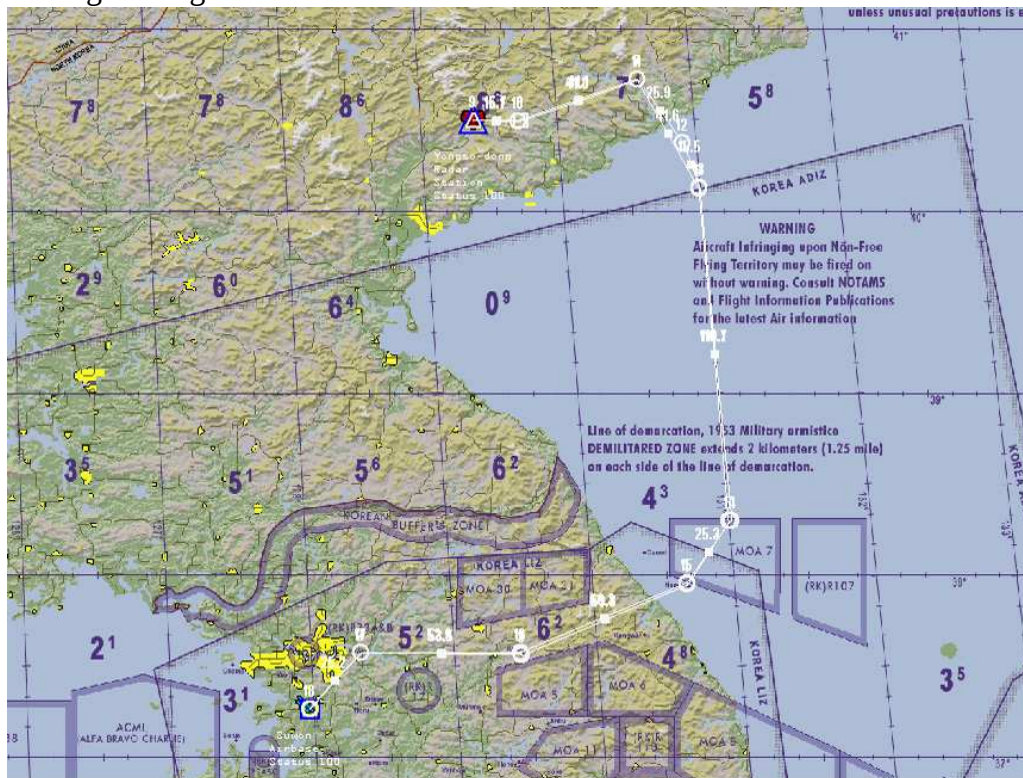


Squadron: AMVI

Package: 3950

Callsign: Serpent1. 2 F-16C 30. (VHF- 6 –TS Escuadrón 69--).

TGT: Yongso-dong Radar station.

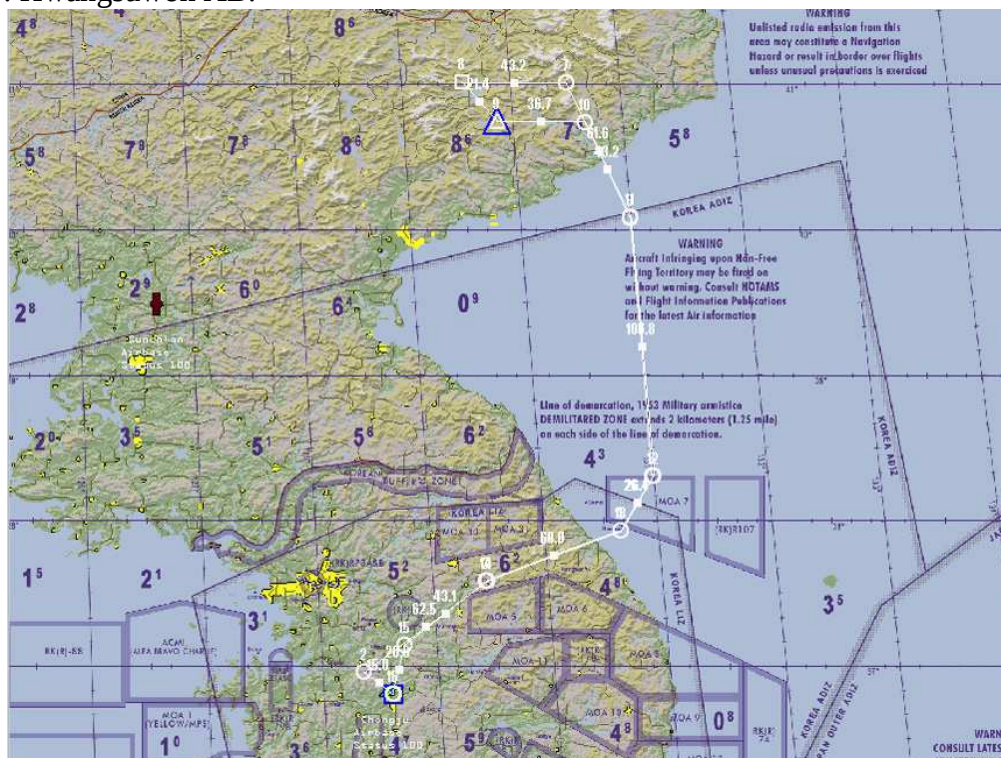


Squadron: VEAf

Package: 3955

Callsign: Roach2. 2 M2000D. (VHF- 8 –TS Escuadrón 69--).

TGT: Hwangsuwon AB.

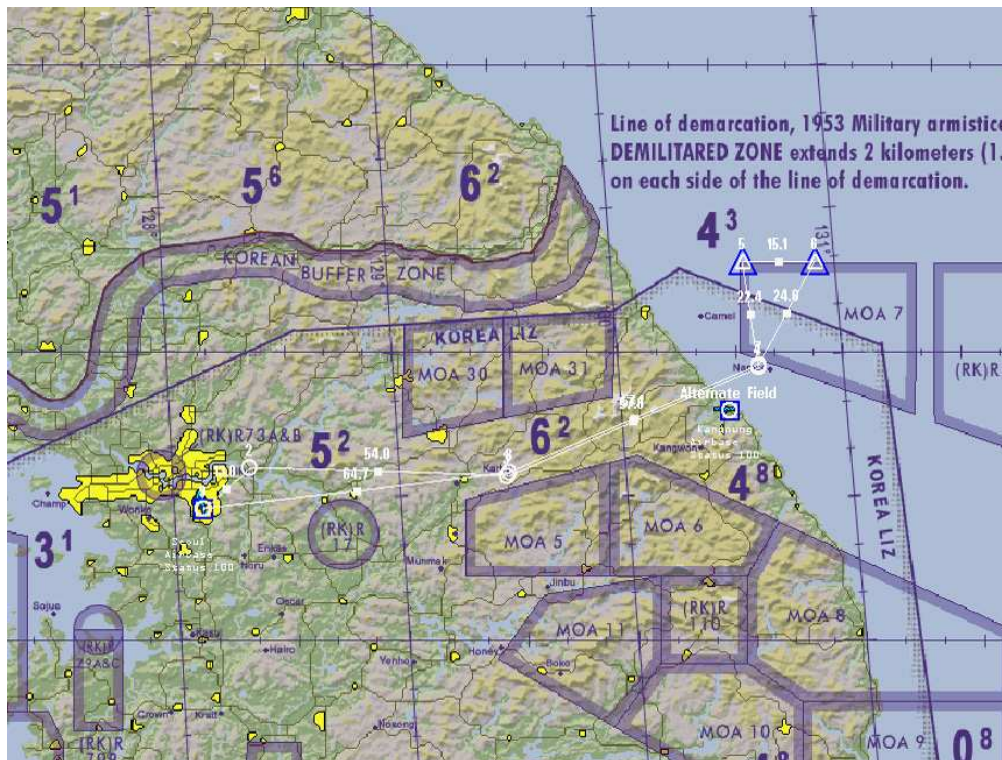


Squadron: 320sq (e-HAF)

Package: 3960

Callsign: Hopper1. 2 M2000-5. (VHF- 1 –TS Escuadrón 69--).

TGT: TARCAP

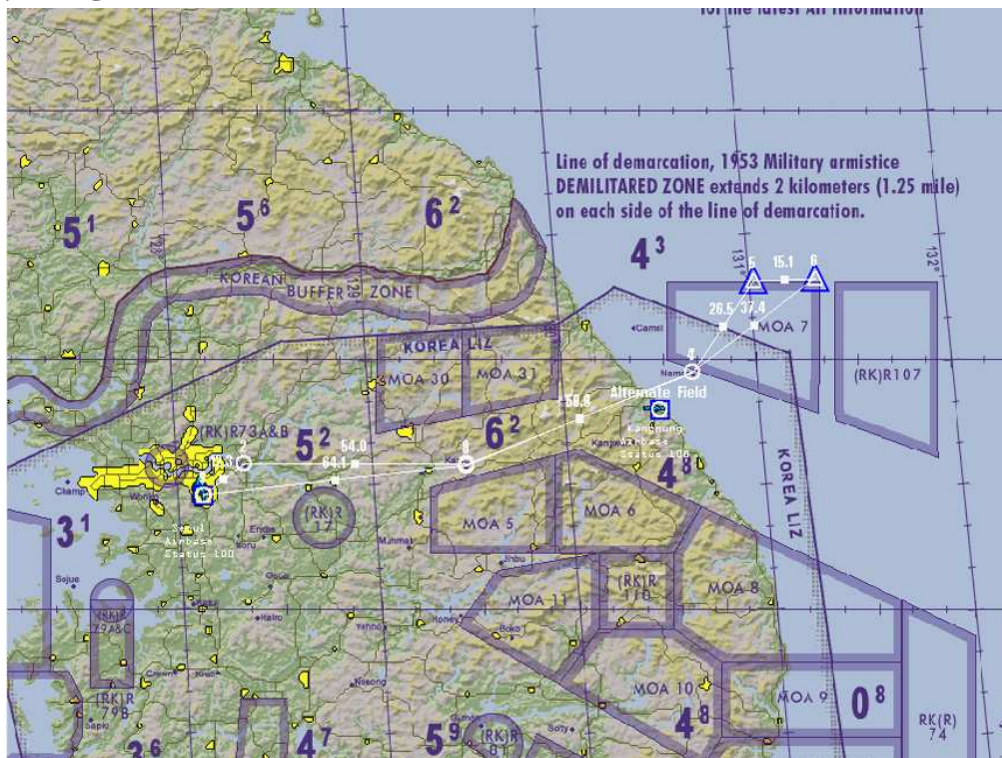


Squadron: 320sq (e-HAF)

Package: 3960

Callsign: Garbo2. 2 M2000-5. (VHF- 2 –TS Escuadrón 69--).

TGT: TARCAP



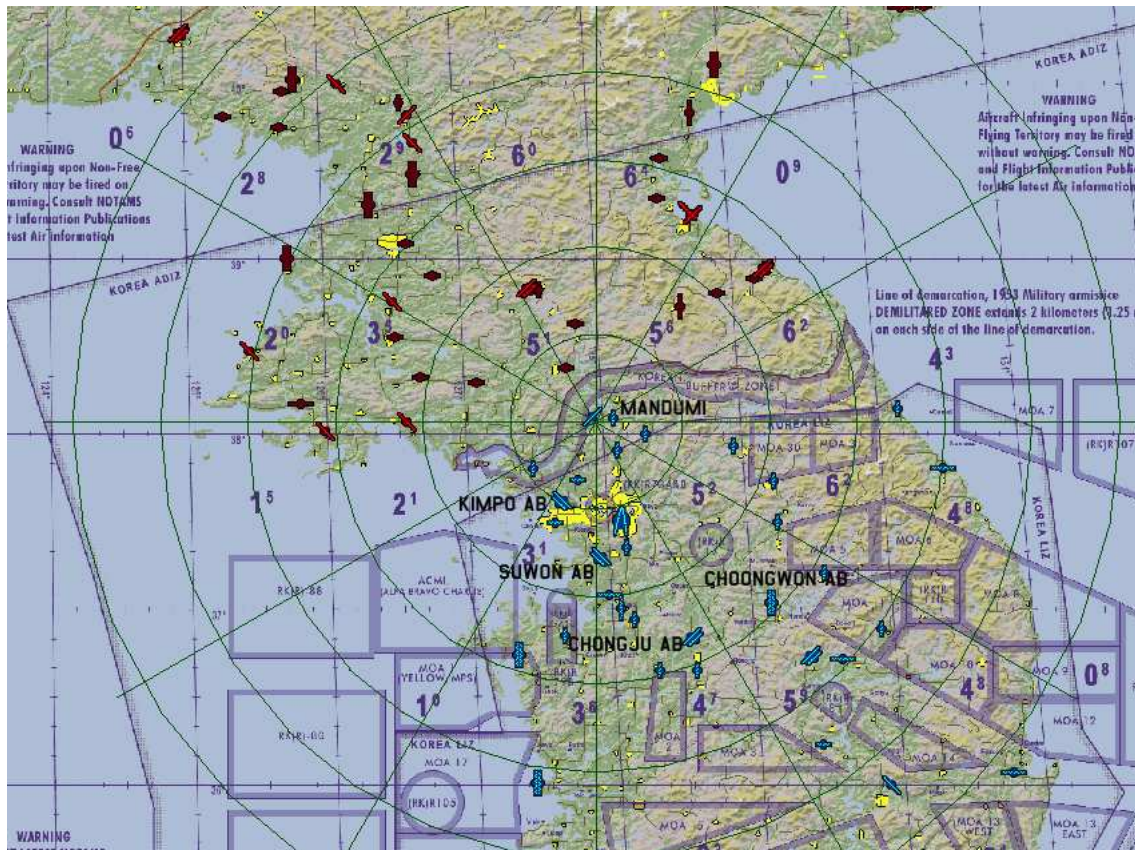
Navigation Charts

Due to the high number of navigation charts needed by each package during the mission, they have been collected under the folder “**Navigation Charts**” inside the file **Bravo Operation.rar** which also contains this briefing.

It is highly advisable to have hard copies of them in hand on the day of the mission for an easier reference.

Information of interest

Bullseye: located over Mandumi airstrip. (refer to picture 9).



Picture 9: Mandumi Bullseye & location of airbases.

Departure airbases:**E69**

Kimpo airbase (South Korea).

TCN: 083X

TCN range: 25nm.

ILS: 109.9 (14L) - 110.1 (14R) - 108.3 (32L) – 110.7 (32R).

Radio tower (UHF/VHF): 240.9/118.05. **(VHF- 16 –TS del Escuadrón 69--).**

GPS: N37°35'63" – E127°41'79".

Runways: 14/32 (L/R).

Alt: 041ft.

AMVI

Suwon airbase (South Korea).

TCN: 022X

TCN range: 25nm.

ILS: 108.5 (32L).

Radio tower (UHF/VHF): 366.0/126.2. **(VHF- 15 –TS del Escuadrón 69--).**

GPS: N37°16'73" – E127°57'15".

Runways: 16/34 (L/R).

Alt: 005ft.

VEAF

Chongju airbase (South Korea).

TCN: 042X

TCN range: 25nm.

ILS: 111.7 (23R).

Radio tower (UHF/VHF): 250.2/118.7.

GPS: N36°48'41" – E128°36'74".

Runways: 05/23 (L/R).

Alt: 152ft.

320 sq (e-HAF)

Seoul airbase (South Korea).

TCN: 046X

TCN range: 25nm.

ILS: 110.9 (19).

Radio tower (UHF/VHF): 237.1/126.2.

GPS: N37°26'97" – E128°07'13".

Runways: 19/01 18/36.

Alt: 137ft.

Alternative airbase:

Kangnung airbase (South Korea).

TCN: 056X

TCN range: 50nm.

ILS: 111.5 (26).

Radio tower (UHF/VHF): 334.9/126.2. (Use Falcon comms)

GPS: N37°47'31" – E130°29'77".

Runways: 08/26.

Alt: 005ft.

All South Korean airbases and airstrips are ready and on alert and can be used in case of emergency. We can divert to the nearest depending on the leg of the flight plan we are currently in (refer to picture 1 and Korea scenario navigation charts under Links of interests section of this briefing).

Weather Report:

Time: 07:00 AM Falcon Time.

Situation: Fair

Wind: 72 deg. @ 10 Kts.

Temp: 20 deg. C.

Cloud Base: 30.000 ft MSL base.

Con Layer: 28.000 ft MSL base.

Refueling1:

Callsign: Diamond1

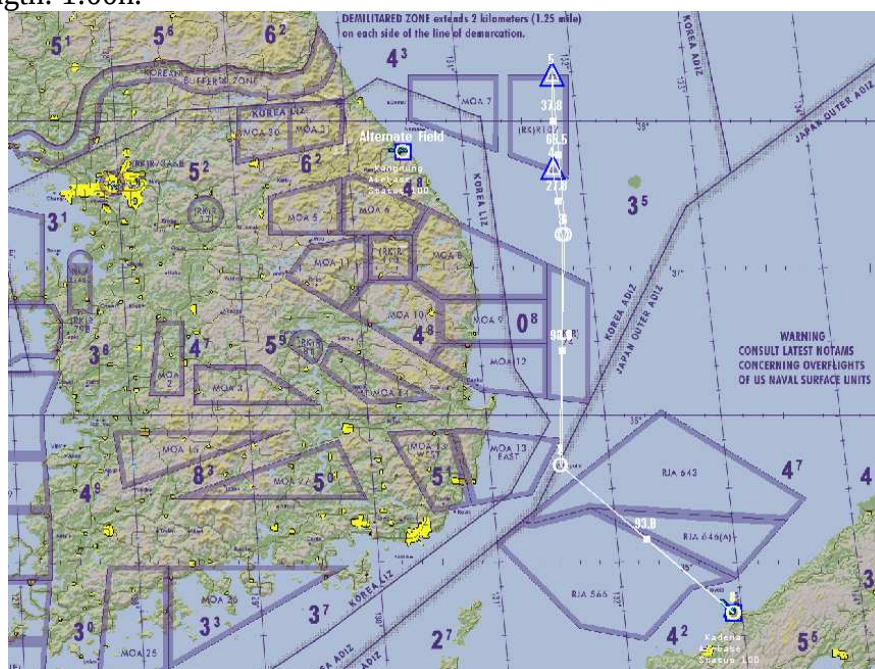
TCN channel: 125 Y

Radio: Use Falcon comms ("Y" key).

Designated area: (RK) R107 (refer to picture 1).

Start of operations: 08:41 AM Falcon Time.

Patrol length: 1:00h.



Refueling2:

Callsign: Canteen1

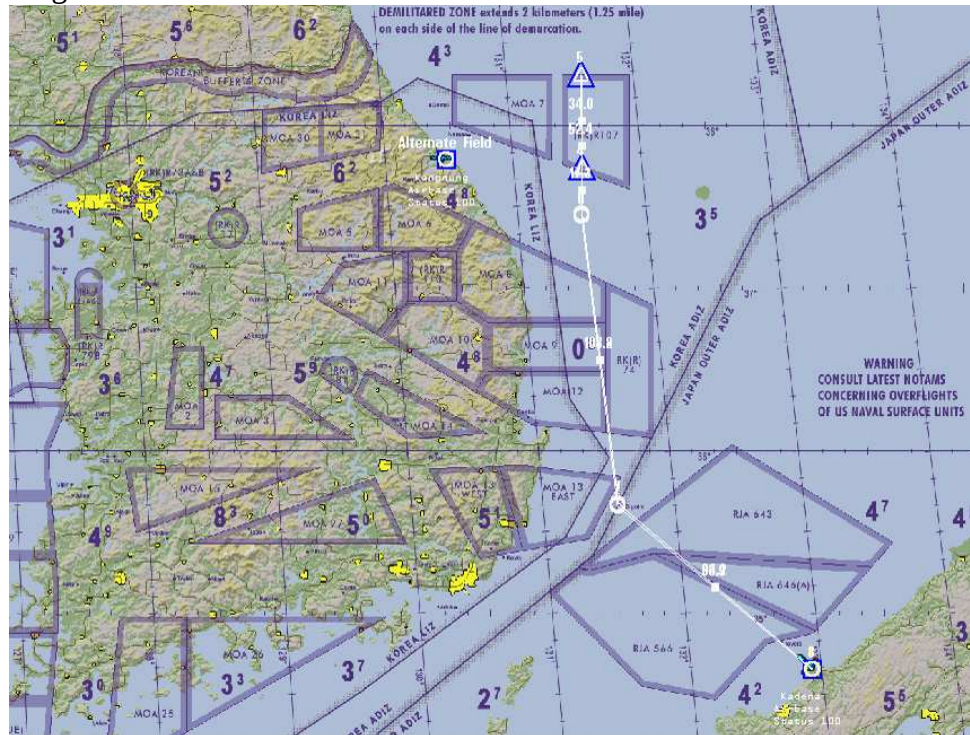
TCN channel: 126 Y

Radio: Use Falcon comms (“Y” key).

Designated area: (RK) R107 (refer to picture 1).

Start of operations: 08:41 AM Falcon Time.

Patrol length: 1:00h.

**Refueling3 (Airbase) (See charts in attached folder):**

Kangnung airbase (South Korea).

TCN: 056X

TCN range: 50nm.

ILS: 111.5 (26).

Radio tower (UHF/VHF): 334.9/126.2. (Use Falcon comms)

GPS: N37°47'31" – E130°29'77".

Runways: 08/26.

Alt: 005ft.

AWACS (Human):

Callsign: Magic1

TCN channel: ---ND---

Radio: **VHF- 10 --TS del Escuadrón 69--.**

Designated area: N/A

Start of operations: N/A

Patrol length: N/A

TS configuration

Program: Team Speak 2

Connect to E69 Team Speak server:

- Create a New Server (E69 for example)
- Use server address: <http://www.escuadron69.net:8767>
- As Nickname please use "SQUAD_Nickname" (for example E69_Naima)
- Select anonymous connection
- Server Password: mustang
- Hit connect!!!

Please, be patient, you need rights to move for the channels list. We will give you...

When you are in your own channel, you can do it for voice activation, but you must configurate 3 keys to speak:

1st key:

You need a key to simulate the GUARD channel. We use this key if there is a problem during game or we need to say something of interest to every people.

- **Into TS select: settings/key settings/add/press a key to configure it/whisper to/ channel list/ and you must add all the VHF channels of our TS.**

2nd Key:

To speak with AWACS. You must have a key to speak with AWACS channel and the others pilots of your own channel can hear you.

- **Into TS select: settings/key settings/add/press other key to configure it/whisper to/ channel list/ and you must add your own channel and too VHF-10.**

3rd Key (Only if you have a human tower into the game):

To speak with your own AB TOWER. You must have a key to speak with your tower channel and the others pilots of your own channel can hear you.

- **Into TS select: settings/key settings/add/press other key to configure it/whisper to/ channel list/ and you must add your own channel and your own TOWER channel (You can know it viewing information of interest section).**

Recommended programs:

- Teamspeak overlay
- TSsimscomms.
- We use usually the TsSimComs on E69. If you need to change channel if necessary, you can do it quickly into the Falcon cockpit using the ICP buttons.
- If you don't want install the TsSimComms, is recommended to install the TS Overlay to see who is talking and your channels movements.
- If you need help to configure the programs, say us, we can help you.

Links of Interest

- Navigation charts:
<http://www.combatsimchecklist.net/F4koreacharts.htm>
- Kneemaps and Korea maps with restricted and prohibited areas:
<http://www.combatsimchecklist.net/F4download.htm>
- Escuadrón 69 “Falconbms.cfg” download link and instructions:
<http://www.escuadron69.net/v20/foro/index.php?/topic/42159-archivo-de-configuracion-of45/>
- Mission download link:
<http://www.escuadron69.net/v20/foro/index.php?app=downloads&showfile=816>

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Translated by Galahad.