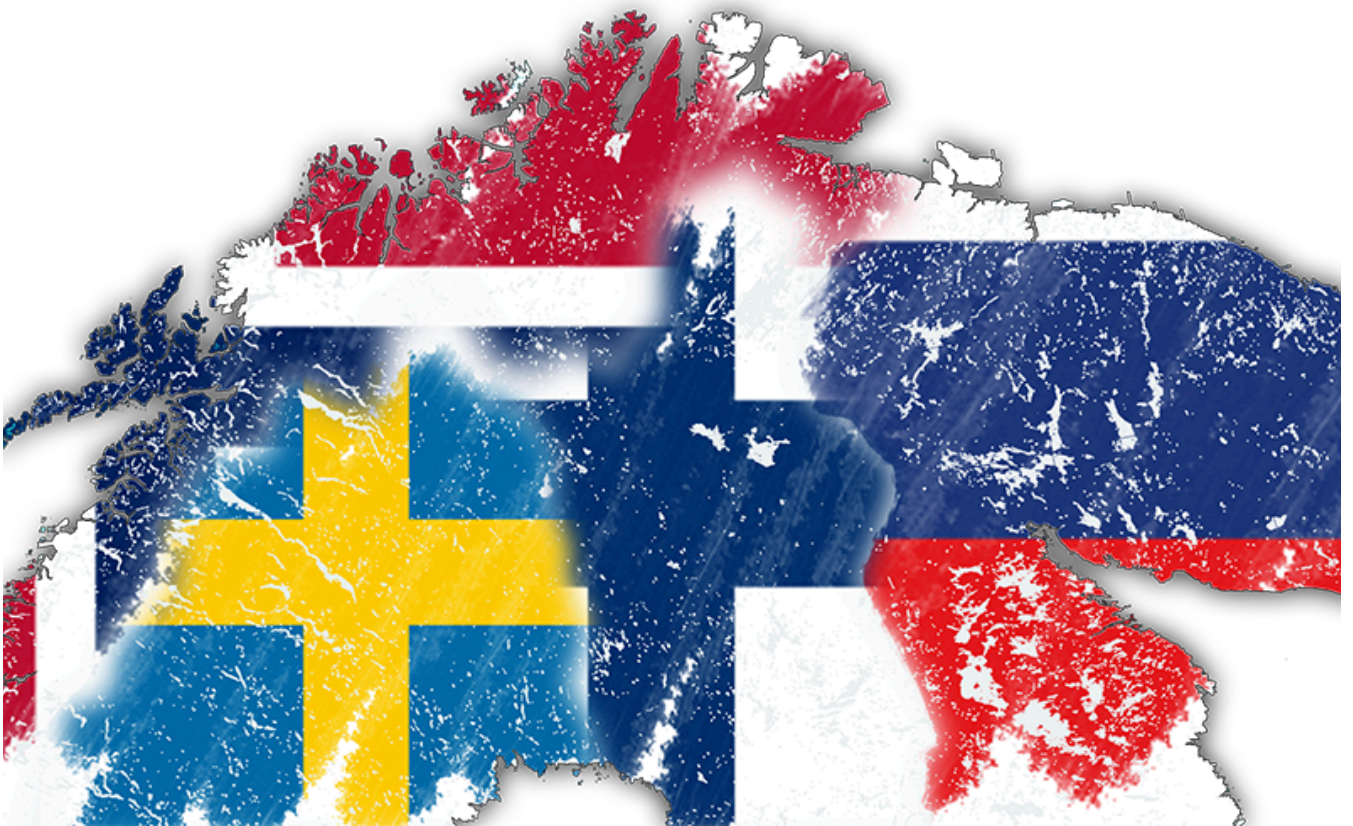


Kola Sandbox

By Don Rudi



60 missions in 1

Manual

Kola Sandbox

What is the Kola Sandbox

First of all, this sandbox is not supposed to be a fleshed out mission. What is it then? The sandbox is intended as an easily accessible set of quick missions for the Kola map. Each slot resembles a quick mission, complete with unique target, flight plan, set radio frequencies, loadout, etc.

However, the sandbox is intended to be more than just some quick missions. I would like this to be your personal playing ground. Adapt it to your liking. You fly the Hornet and would rather attack the target of F-16 #3 oder F-15E #4? Awesome, just grab the target. You would rather fly the JF-17? Cool, just swap a slot or add it. You want to fly the Tomcat? Nice, just add it and unlock the bandits via the F10 options (more about that in the options section).

How to start

After selecting either the Blue or Red coalition you will see a variation of slots. As said above, each slot equals a mission. Just select a slot, maybe familiarize yourself with the target data and you are ready to go.

What aircraft are included

Currently the sandbox features slots for:

Norway

- F-5 (4 slots)
- F-16 (9 slots)

Sweden

- Viggen (5 slots)

Finland

- MiG-21 (3 slots)
- F/A-18 (9 slots)

Russia

- MiG-21 (3 slots)
- MiG-29 (3 slots)
- Su-25 (3 slots) - Flaming Cliffs
- Su-33 (3 slots) - Flaming Cliffs

USA

- A-10CII (5 slots)
- AV-8B (3 slots)
- F-4E (5 slots)
- F-15E (5 slots)

Note: The F-5 and MiG-29 missions are available for both the full fidelity module AND the Flaming Cliffs version!

Radio frequencies

All western planes follow the same logic of assigned radio frequencies.

UHF Radio

Channel 1	Homebase
Channel 2	AWACS
Channel 3	Tanker (not Viggen and F-5)
Channel 4	Alternate base
Channel 5	JTAC (where suitable)

No matter, where you fly from or whether you need a boom tanker or basket tanker, these frequencies are all set for you.

If you want to add your own slots, these are the relevant frequencies, you should use:

Tanker boom / KC-135	335 MHz
Tanker basket / KC-130	330 MHz
AWACS	305 MHz
JTAC	319 MHz

Tankers

To support the long(er) range missions, three tankers are available_

ARCO	KC-130	Basket	TCN 13Y	330 MHz	15,000ft	SE of Banak
SHELL	KC-135	Boom	TCN 15Y	335 MHz	19,000ft	N of Vuojarvi
-	IL-78	Basket	-	-	7000m	S of Kuznetzov

Skins

Please download the following two skins from the user file library:

Soviet Tu-16 Badger C by Tomcatter87

<https://www.digitalcombatsimulator.com/en/files/3318443/>

F-16 RoNAF skin by Roughmaster

<https://www.digitalcombatsimulator.com/en/files/3338152/>

F10 Radio Options

The sandbox offers a variety of F10 radio command options, to make the missions entertaining for all skill levels.

Blue

- enable/disable S-300 batteries. There are two active S-300 batteries on the map and this option can be used to toggle their status. Note: for some slots the option will be forced to off.
- set S-300 engagement range to 50%
- set S-300 engagement range to 100%
- enable SHORAD. Several SHORAD units are spread over the map and can be enabled. Default is off.
- enable enemy fighters. If dodging SAMs over Murmansk isn't thrilling enough, you can spawn up to three MiG-29s with this option. The number is determined by random.

For players that add their own fighter aircraft slots, you can spawn the Redfor aircraft that are slaved to a slot.

- spawn enemy fighters north. Will spawn Su-33, MiG-21 and MiG-29 in the northern area.
- spawn Bear. Will spawn the patrolling Bears flying off the south western coast of Norway.
- spawn Badger. Will spawn a single Badger violating Finnish airspace in the central region.
- spawn Su-24s. Will spawn a two-ship of recce Su-24s in the south eastern area.

Red

For players that add their own fighter aircraft slots or want to use the existing slots in the air-to-air role instead of air-to-ground, you can spawn the Blufor aircraft that else are slaved to a slot.

- spawn F-16s. Will spawn a pair of F-16s intruding the airspace in the northern part of the border.
- spawn B-1s. Will spawn a pair of B-1s with escort in the central border region.
- spawn B-52s. Will spawn a pair of B-52s patrolling off the northern coast.
- spawn Viggen. Will spawn a recce Viggen that intrudes the airspace in the northern region.

Mission overview

For mission details like frequencies, nav aids, coordinates, please refer to the mission overview PDF!

Finland

Hornet

Slot #1

You will start from Rovaniemi and attack the Nuclear submarine docks at Guba naval base.

Slot #2

You will start from Rovaniemi and intercept a pair of Su-24 recce planes to the east.

Slot #3

You will start from Vuojarvi and perform SEAD against the S-300 at Olenogorsk air base.

Slot #4

You will start from Vuojarvi and attack the large oil depot at Murmansk.

Slot #5

You will start from Rovaniemi and attack a group of border crossers. You will work together with a JTAC drone (319.000 MHz, laser code 1578)

Slot #6

You will start from Rovaniemi and perform a long range CAP near the northern border. Expect enemy fighters.

Slot #7

You will start from Rovaniemi and attack a submarine snooping in the waters south of Kemi.

Slot #8

You will start from Hosio road base and search and destroy a Pantsir at Kalevala airfield.

Slot #9

You will start from Hosio road base and attack a pair of Iskander launchers near Nivsky.

MiG-21

Slot #1

You will start from Vuojarvi and intercept a Badger bomber, intruding the airspace from the north north east.

Slot #2

You will start from Vuojarvi and sink a landingship with Kh 66 Groms in the waters south west of Kemi.

Slot #3

You will start from Rovaniemi and attack an oil depot at Beloe More.

Norway

F-16

Slot #1

You will start from Bodø and intercept a Bear patrol to the south west.

Slot #2

You will start from Banak and intercept any fighters to the north east.

Slot #3

You will start from Bodø and search and destroy an enemy landing party to the north near Andenes.

Slot #4

You will start from Bodø and perform a precision strike against the Kola nuclear power plant south of Monchegorsk.

Slot #5

You will start from Bodø and perform a precision strike against a strategically important bridge at Murmansk.

Slot #6

You will start from Banak and perform SEAD against the S-300 battery near the Guba dockyards.

Slot #7

You will start from Banak and attack the S-60 AAA battery near the Beloe More oil depots.

Slot #8

You will start from Bardufoss and search and destroy a spying enemy patrol boat north-north-east of Banak.

Slot #9

You will start from Bardufoss and Search and destroy a TOS launcher near Kelloselka.

F-5 (full fidelity module AND FC4 version!)

Slot #1

You will start from Banak and search and destroy an enemy convoy that landed in a fjord to the east.

Slot #2

You will start from Banak and sink a landing ship that is straying in the waters to the north east.

Slot #3

You will start from Banak and intercept a reconnaissance MiG-21 to the east north east.

Slot #4

You will start from Bardufoss and intercept a Tu-95 to the north-north-east.

Sweden

Viggen

Slot #1

You will start from Kiruna and attack an enemy vessel in Norwegian fjords to the north west. Allegedly it is a tanker for submarines, so look out for a potential sub!

Slot #2

You will start from Jokkmokk and attack an enemy beachhead near Kemi with BK90s.

Slot #3

You will start from Jokkmokk and attack an attempted enemy airborne landing to the south west. You will use RB-75s and Sidewinders.

Slot #4

You will start from Kemi Tornio and attack an enemy EWR station to the east with high drag bombs.

Slot #5

You will start from Kemi Tornio and provide close air support to border guards in the east. The enemy intruders are close to the friendlies, so use your rockets with care!

USA

A-10CII

Slot #1

You will start from Banak and destroy an enemy radar guided AAA battery near Pechenga.

Slot #2

You will start from Banak and search and destroy a moving SCUD near Korzunovo.

Slot #3

You will start from Kirkenes and destroy an armored column near Kilp Yavr.

Slot #4

You will start from Vuojarvi and perform a precision strike against a vital railroad bridge near Eynskiy.

Slot #5

You will start from Vuojarvi and provide CAS for border troops under threat from red aggressors, You are equipped with cold war armament.

AV-8B Harrier II

Slot #1

You will start from Tarawa and perform a long range strike against the ammo depots at Murmansk airport. Tanker support is available.

Slot #2

You will start from Tarawa and attack a beachhead near Alta. You might need to rearm at Banak.

Slot #3

You will start from Tarawa and attack a beachhead near Narvik.

F-4E

Slot #1

You will start from Bodø and perform a precision strike with GBU-8 HOBOS against a logistics facility in Apatity.

Slot #2

You will start from Bodø and perform a precision attack against a bridge near Monchegorsk, using your Pave Spike pod and GBU-10s.

Slot #3

You will start from Bodø and conduct SEAD against a SA-3 site. You are equipped with AGM-45 Shrikes and Rockeye cluster bombs.

Slot #4

You will start from Bodø and intercept a pair of intruding MiG-21s east of Rovaniemi.

Slot #5

You will start from Rovaniemi and perform a close air support near the border.

F-15E

Slot #1

You will start from Bodø and perform a precision strike with JDAMs against the ammo storage bunkers at Severomorsk-3 air base.

Slot #2

You will start from Bodø and perform a runway attack with Durandals against Olenogorsk air base.

Slot #3

You will start from Bodø and attack a group of moored nuclear submarines at the Guba naval facilities.

Slot #4

You will start from Rovaniemi and search and destroy an enemy S-300 convoy that is redeploying too close for comfort near the border. Note: convoy is on the move.

Slot #5

You will start from Rovaniemi and perform a precision strike against a electricity substation near Kanadalshka.

Russia

MiG-21

Slot #1

You will start from Severomorsk-1 and perform a rocket attack against a NASAMS site that is being erected too close to the border.

Slot #2

You will start from Severomorsk-1 and intercept a recce Viggen to the north west. Fly close to the Viggen (for at least a minute) to force it to land at Murmansk airport.

Slot #3

You will start from Monchegorsk and intercept a pair of straying Finnish MiG-21s.

MiG-29 (FC and full fidelity)

Slot #1

You will scramble from Severomorsk-1 and intercept a pair of intruding F-16s.

Slot #2

You will start from Monchegorsk and attack Finnish M270 MLRS systems that are deployed too close to the border.with S-24 rockets.

Slot #3

You will start from Severomorsk-1 and search and destroy enemy amphibious tanks to the north west.

Your launch airbase is stored as aerodrome #1 and RSBN station #1 in your MiG-29 Fulcrum.

Su-25 (FC)

Slot #1

You will start from Severomorsk-1and perform a precision strike against a bridge at Vadsø, using laser guided missiles and bombs.

Slot #2

You will start from Severomorsk-1and attack the harbour of Kirkenes, where a NASAMS battery is being unloaded from a military cargo vessel..

Slot #3

You will start from Monchegorsk and provide close air support to troops near the border.

Su-33 (FC)

Slot #1

You will scramble from Kuznetzov and intercept a pair of B-52s heading towards the carrier group.

Slot #2

You will start from Kuznetzov and destroy a NATO EWR position to the south west.

Slot #3

You will scramble from Severomorsk-3 and intercept a pair of low flying B-1s to the south west. Beware they might have an escort.

Multiplayer

While the sandbox was not made for Multiplayer, feel free to run it on a server and fly the slots together..

File

The zip file contains:

CG_Kola_Sandbox_hot_1_5.miz with all slots set to hot start and easy comms on.

CG_Kola_Sandbox_cold_1_5.miz with all non FC slots set to cold start and easy comms off.

CG_Kola_Sandbox_Manual.pdf the manual you are just reading.

CG_Kola_Sandbox_Mission_Overview.pdf an overview of the mission with all relevant data.

Version history

V 1.0a	initial release	05/2024
V 1.1	added slots for Su-25 (FC), F-5 (FC) and F-4E Phantom II	07/2024
V 1.2	updated all radio frequencies, added slots for A-10CII	09/2024
V 1.4	updated all radio frequencies (again...), added slots for F-5, F-16, F/A-18	08/2025
V 1.5	added MiG-29 Fulcrum slots (full fidelity)	09/2025

Special thanks

Special thanks to all my beta testers, you guys really helped a lot!

A special shout out to Robert, 'Blackbahia' and Hans Marius for their contributions!

Feedback

If you liked the Sandbox and would like to see more of this style or have any suggestions, let me know. Same if you encounter any problems. Don't hesitate to DM me on the forums or contact me on the "Digital Combat Simulator" group on Facebook.

Imprint

Version 1.5 / September 2025

By Don Rudi

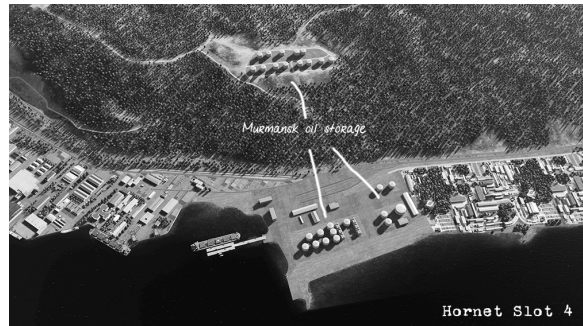
Enjoy!

Appendix A:

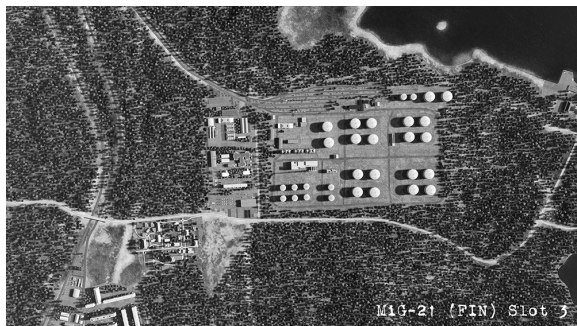
Target photos



Hornet #1 Submarine docks at Guba



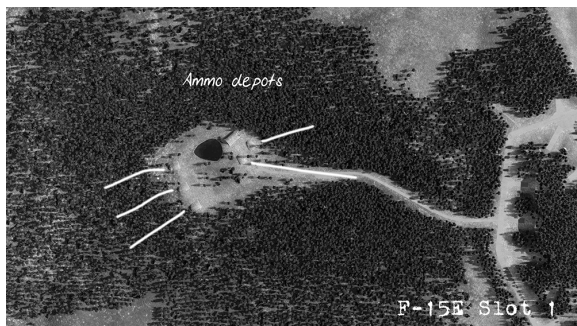
Hornet #4 Oil depots at Murmansk



MiG-21 8(FIN) #3 Oil depots at Beloe More



Harrier #1 ammo depots at Murmansk



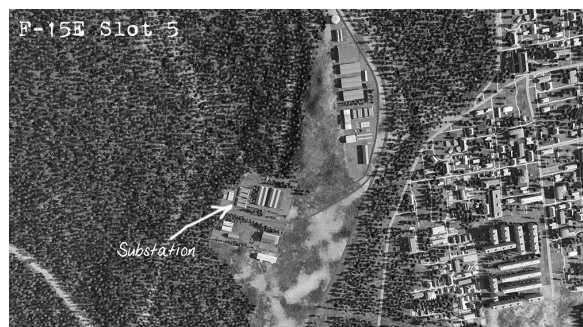
F-15E #1 ammo depots at Severomorsk-3



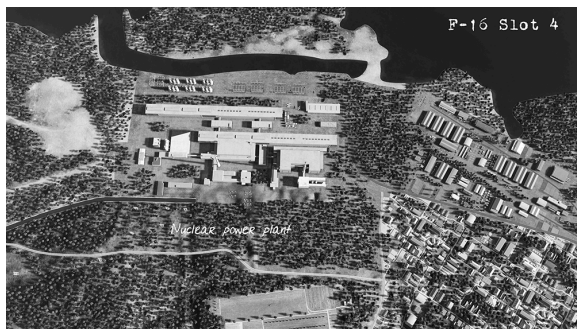
F-15E #2 runway at Olenogorsk air base



F-15E #3 moored submarines in Guba



F-15E #5 electricity substation



F-16 #4 Nuclear power plant



F-16 #5 bridge near Murmansk



F-4 #1 Logistics hub

Appendix B:

Target coordinates

Allocated targets

Guba submarine docks	36 W WB 11908 78585
S-300 Olenogorsk Air Base	36 W WA 20801 59114
Murmansk oil depots	36 W WB 01467 46458
Border incursion (JTAC initial point)	35 W NP 49942 31469
Submarine near Kemi	35 W LN 78420 57083
Landing ship near Kemi	34 W ET 89170 71361
Beloe More oil depot	36 W VV 69664 40623
Unwanted visitors on Norwegian island	33 W WS 27243 69742
Kola Nuclear power plant	36 W VV 77537 83269
Murmansk bridge	36 W WB 00290 41601
S-300 near Guba docks	36 W WB 10169 80260
S-60 AAA battery	36 W VV 67060 42569
Convoy north	35 W NT 56224 86218
Landing ship north	35 W NU 45528 49827
Tanker for submarine in Fjord	33 W WS 66324 99673
Beachhead near Kemi	34 W FU 34669 00758
Airborne landing site	33 W XP 26885 23644
Red radar installation	36 W VT 21933 64149
Border guards CAS	36 W UU 65108 01463
Murmansk Airport ammo storage	36 W VB 90212 30400
Beachhead near Alta	34 W EC 88510 64892
Beachhead near Narvik	33 W WR 99258 93811
Sevreromorsk-3 ammo storage	36 W WB 27184 38629
Olenogorsk runway	36 W WA 19270 59834
Moored submarines in Guba	36 W WB 12568 83717
S-300 moving convoy	36 W UV 85201 29226
Electricity substation	36 W VV 74497 52179

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Logistics facility at Apatity	36 W WV 17674 98976
Bridge near Monchegorsk	36 W VA 95381 38852
Radar guided AAA battery near Pechenga	36 W VC 27943 14352
Moving SCUD near Korzunovo	36 W VC 22000 00367
Armored convoy near Kilp Yavr	36 W VB 78967 64155
Railroad bridge near Eynskiy	36 W VV 22156 98111
Border crossers near Kelloselka	35 W NQ 88152 26286
Iskander Nivskiy	36 W VV 77648 68078
TOS Kelloselka	35 W NQ 84678 25618
Pantsir Kalevala	36 W VT 13100 32893

Non-allocated targets

Aluminium plant	36 W VV 75229 53197
S-300 garrison near Murmansk	36 W WB 18772 64124
Long range EWR Severomorsk-1	36 W WB 17282 60422
Long range EWR Severomorsk-3	36 W WB 27966 37820
Kuznetzov	36 W WD 47608 15617