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***Military AI Works, South African Air Force Fighters.  
AFB Makhado, South Africa***



**Version: 1.0**

**For FS 2004 / FS9**

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This package, presented by Military AI Works, covers the current, and future, Fighter capability of the South African Air Force, (Suid-Afrikaanse Lugmag) which is currently split into 2 squadrons based at AFB Makhado in the north east of South Africa. The South African Air Force is currently receiving its deliveries of SAAB JAS-39 Gripens to replace its ageing fleet of Denel Cheetahs and Dassault Mirage's. 9 JAS-39D twin seat and 17 JAS-39C single seat Gripens will be delivered between 2008 and 2012, the Gripens will replace the Cheetahs which were taken out of service in early April 2008. This package represents the full strength of the South African Air Force once all Gripen Deliveries have been made.

The package also includes the BAe Hawk Mk 120's that are used for Lead-In Fighter Training, as well as a lightly armed combat aircraft by the SAAF.

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## 1. About MAIW

Military AI Works (MAIW) is a loosely affiliated, international group of flightsim enthusiasts who share the common goal of seeing realistic military AI traffic in MS Flightsim. Our goals:

- 1) Produce only high-quality, freeware packages and products
- 2) Create military AI traffic accurately within the bounds of MS Flightsim
- 3) Promote new freeware military AI models, scenery and products
- 4) Advance military AI modeling of countries around the globe
- 5) Respect the rights of designers and contributors

To learn more about MAIW or to become a contributor, visit our website at <http://www.militaryaiworks.com>.

## 2. Credits

AFCADs:

- Nick Black

Models:

- Hawk 120 by Nick Black
- Gripen C/D by Kev Reed

Flight Dynamics:

- Mike MacIntyre

Textures and Repaints:

- Nick Black and Kev Reed

Voicepacks:

- Nick Black and Stewart Pearson

Flightplans:

- Steve Hadlow and Nick Black

Beta Testing:

- MAIW Beta Team



### 3. Units Included in this Package

#### **2 Squadron**

Callsigns = “Gripen, Tiger, Lion, Panther”



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#### **85 Combat Flying School**

Callsign = “Hawk, Mamba, Viper”



### 4. Installation

#### **Step 1) Install this package**

1a) Install the package in accordance with the on-screen prompts

#### **Step 2) Remove duplicate AFCAD files**

Open your “Flight Simulator 9/Addon Scenery/scenery” folder and remove any previously installed AFCAD’s for the following airports (e.g. “AF2\_XXXX.bgl,”

“AF2\_XXXX\_DEFAULT\_XX.bgl” or “PAI\_AF2\_XXXX\_DEFAULT.bgl”) NOTE: LEAVE ALL AFCADS BEGINNING WITH “MAIW” as they were installed with step 1:

FALM  
FALT

NOTE 1: The FALT AFCAD included in this package is used to remove the runway left behind by the original base Louis Trichardt (FALT) which has been replaced by Makhado AB (FALM).

NOTE 2: Failure to remove these duplicate files may result in problems with AI aircraft parking and operation. It is recommended you move these to a temporary folder instead of deleting them; however, you should not need them again as the AFCADs included in this package are thoroughly researched and highly detailed. If you are using add-on scenery for one of the above airfields, it is recommended you do NOT remove the AFCAD for the add-on scenery, but instead remove the MAIW AFCAD file (e.g. MAIW\_AF2\_EGOV\_DEFAULT\_GL.bgl) after installation.

### Step 3) Install callsign voicepacks

**3a)** If you don't have the EditVoicepack 3.1 freeware installed, download it and install it by [clicking here](#).

**3b)** Run EditVoicepack and import all vcpmo files included in with this installation

**3c)** Choose “Import” from the “File” menu

**3d)** Find the folder “Flight Simulator 9\Military AI Works\Africa\South Africa\Makhado AFB\Callsigns” in the “Look in:” window

**3e)** Select all the files and click open The following callsigns should be added:

GRIPEN  
VIPER  
TIGER  
LION  
PANTHER  
HAWK  
MAMBA  
J39  
FALM

**3f)** Update the Voicepack for FS9 by choosing “Update Voicepack” from the “File” menu-- ensure the “Custom/Callsigns” box is checked in the left hand window. (note: the update may take a few minutes—do not attempt to start FS9 until the update is complete. Look for “Ready” in the lower left corner)

**3g)** When ready press save to keep the modifications

***That's it! You've successfully installed this package.***



## 5. Troubleshooting

### **Problems addressed:**

["I've installed the package, but there are no Military AI aircraft at the airports"](#)

["When I go to an airport, there are AI planes parked on top of one another"](#)

["I can't find the aircraft in the aircraft selection menu"](#)

["When the Military AI planes talk to ATC, they use only numbers, not callsigns"](#)

["I'm following the Military AI aircraft, and they won't come back for touch-and-gos"](#)

**Problem: "I've installed the package, but there are no Military AI aircraft at the airports"**

Potential issue: FS9 AI traffic density set too low

Fix action: In FS9, set the AI traffic density slider to at least 60%.

**Problem: "When I go to an airport, there are AI planes parked on top of one another"**

Potential issue: Multiple AFCADs active for the same airport

Fix action: Using Windows Explorer, open the folder "Flight Simulator 9/Addon Scenery/Scenery." Look for duplicate entries for the following airport identifier:

FALM  
FALT

Files may be named in several ways. The most common are "AF2\_EXXX.bgl," "AF2\_EXXX\_DEFAULT\_XX.bgl" and "PAI\_AF2\_DEFAULT.bgl." Keep the file names starting with MAIW and remove all others with duplicate airport identifiers.

**Problem: "I can't find the aircraft in the aircraft selection menu"**

Issue: These are AI aircraft and have been programmed to not show up in the flyable aircraft selection menu

Fix action: If you simply must select these aircraft, use an editing program such as AirEd and change the Aircraft type from "2" to "0"

**Problem: "When the Military AI planes talk to ATC, they use only numbers, not callsigns"**

Potential issue: Callsign Voicepacks were not installed correctly

Fix action: Run the EditVoicepack software. Look for the following callsigns in the "custom modifications/callsigns" section of the program:

GRIPEN  
VIPER  
TIGER  
LION  
PANTHER  
HAWK  
MAMBA  
J39  
FALM

If any of these are missing, choose “File/import” and open the appropriate .vcpmo file in the folder:-

“Flight Simulator 9\Military AI Works\Africa\South Africa\Makhado AFB\Callsigns”

Once this is complete, or if all callsigns are present, ensure the “Custom/Callsigns” box is checked in the left hand window and choose “File/Update Voicepack” to install them into FS9 (this may take a few minutes, do not open FS9 until the lower left of the EditVoicepack screen says “Ready.”)

**Problem:** “I’m following the Military AI aircraft, and they won’t come back for touch-and-gos”

Potential issue: You’re following your AI aircraft

Fix action: Stop following your AI aircraft. For some reason, a watched AI aircraft does not always behave the way it is programmed to. If you wait for the aircraft at the airport, it will arrive on schedule



## 6. Notes and Resources

This package was built by the [Military AI Works](#) online community. If you are interested in making Military AI traffic more realistic, visit this site!

Flightplans:

The Flightplans are fictional, but have been researched via Internet and message forums. We have tried to make the plans as “realistic” as possible and have had to use our own judgment. Aircraft in this package fly to bases that may need you to download a separate AFCAD for the aircraft to show up there, AFCADs may be found at Avsim.com, Flightsim.com and the Project AI Afcad site

All Flightplans were created using Notepad.

Flightplans were installed using Lee Swordy’s [TrafficTools](#) freeware traffic compiler.

Callsigns:

The callsigns used in this package are actual callsigns used by these units, based on information obtained in manuals and on internet.

All callsigns were created using the ingenious [EditVoicepack](#) freeware. This program is extremely simple and fun to use—if you need a new AI callsign, give it a try!

AFCADs:

All AFCADs were created using Lee Swordy's [AFCAD v2.21](#). This has got to be one of the finest freeware programs ever created. Want to add some AI parking to your local airport? AFCAD makes it fun!



## 7. Permissions and Disclaimers

**Adverse Effects:**

The contents of this package should not adversely affect your FS9 or computer operation if installed according to the instructions. The authors make no guarantee and bear no responsibility for adverse operation or lost/overwritten files on your computer.

**Use of Contents:**

THESE FILES MAY ONLY BE UPLOADED TO AVSIM or FLIGHTSIM.COM BY THE AUTHOR(S)

THESE FILES MAY NOT BE UPLOADED TO ANY OTHER SITE WITHOUT THE AUTHOR'S WRITTEN PERMISSION. THESE MODELS, REPAINTS AND FLIGHTPLANS ARE FREeware AND MAY NOT BE SOLD, OR PUT ON ANY SITE THAT CHARGES FOR DOWNLOADING FREE FILES. THE FILES FOUND IN THIS ARCHIVE MAY NOT BE DISTRIBUTED ON CD OR ANY MEDIUM FOR ANY KIND OF FEE, INCLUDING THE COST OF PRODUCTION, MATERIALS OR POSTAGE. THE MODELS, REPAINTS AND FLIGHTPLANS OWNERSHIP REMAIN WITH THE AUTHORS AS MENTIONED IN THE PACKAGE

Upload to FSPLANET.com will never be allowed by Military AI Works.

Any questions, suggestions and feedback on the contents may be directed to the forums at [www.militaryaiworks.com](http://www.militaryaiworks.com).

**Sources:**

All information used to create this package was obtained via online, open-source research. All flight plans and schedules, while reasonable for military units, are fictional.

Thanks to everyone who made this possible.

Hello Jackie

