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**Royal Air Force
Tornado GR.4/4A Package**

TORNADO



**Version: 1.0
For FS 2004 / FS9
Initial Release Date: March 2008
Project Manager: Gary Barker**

This freeware AI package, produced by [Military AI Works](#) in cooperation with UKmil AI, contains everything needed to fully activate RAF TORNADO GR.4/4A traffic. Package contains custom afcads, flightplans, repaints and voice pack call signs.

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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://militaryaiworks.com>.

2. Credits

Afcad creation:

- UKmil AI
- Gary Barker
- Stewart Pearson
- Greg Loones

Models:

- Tornado (all versions) by Fernando Martinez

Scenery

- Ian "Rocket26"

Repaints:

- Graham King

Voicepacks:

- Stewart Pearson

Flightplans:

- UKmil AI (EGTE) Original Plans
- Gary Barker update and modifications

Beta Testing

- MAIW Beta Team

3. Units Included in this Package

RAF Marham



2 Squadron



Aircraft: TORNADO GR.4/4A
Callsigns: "CHIEFTAIN" "SPARTAN" "SULTAN"



9 Squadron

Aircraft: TORNADO GR.4/4A
Callsigns: "BATMAN" "VEGAS" "FANG"



13 Squadron

Aircraft: TORNADO GR.4/4A
Callsigns: "COBRA" "LANCER" "TRIBAL"



31 Squadron

Aircraft: TORNADO GR.4/4A
Callsigns: "DULUX" "STARBUCK"

RAF Lossiemouth





12 Squadron

Aircraft: TORNADO GR.4/4A
Callsigns: "FOXEE" "JACKAL" "WOLF"



14 Squadron

Aircraft: TORNADO GR.4/4A
Callsigns: "KNIGHT" "SERPENT" "SNAKE"



15 Squadron

Aircraft: TORNADO GR.4/4A
Callsigns: "ABBOT" "CUTLASS" "BATON"



617 Squadron

Aircraft: TORNADO GR.4/4A
Callsigns: "SAXON" "VANDAL" "TROJAN" "GIBSON"

RAF Boscombe Down



QuinticQ

Aircraft: TORNADO GR.4/4A
Callsigns: "GAUNTLET"

BAe Warton

Aircraft: TORNADO GR.4/4A
Callsigns: "TARNISH"

Note

41(R) Squadron (FJWOEU) GR4's are included in the MAIW Conningsby Package

Utilization

I have tried to shy away from repetitive hourly plans as in true life many modern air forces don't work or fly at the weekends or late at night on a regular basis, therefore the utilization in these plans is relatively low but probably reflects real life actuals



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:

EGYM	EGF1	ETAV	
EGQS	EGZ9	CFR1	
SPA1		EGY1	STEW
WRA1	EGY2	EGDM	
TAI1		ETUN	EGNO

NOTE: 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_XXXX_DEFAULT.bgl) after installation.

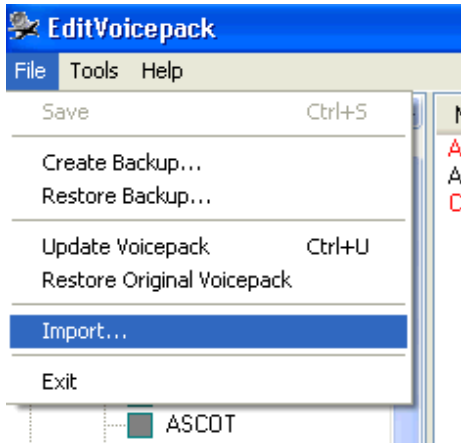
NOTE: There will also be some exclude files installed for the above these are labeled MAIW_exc_XXXXXXXXXXXXX these remove autogen scenery items ie trees etc that may impinge on taxiways etc.

Step 3) Install callsign voicepacks

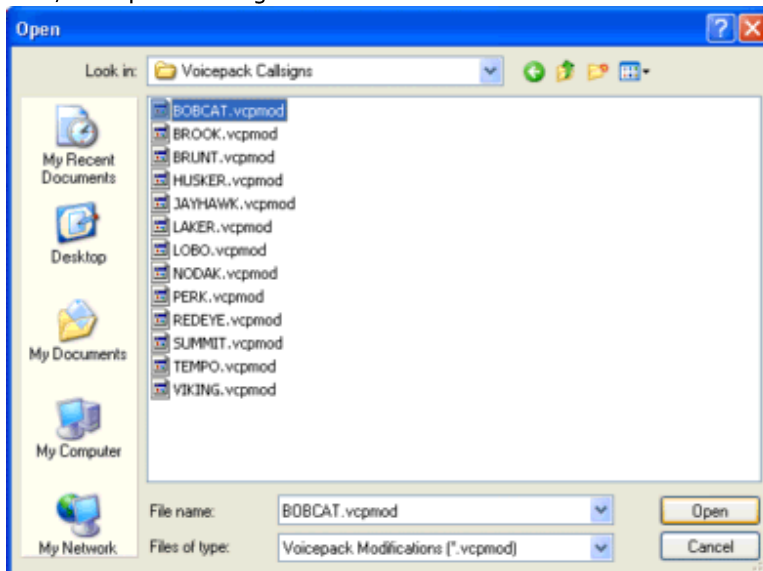
3a) If you don't have the EditVoicepack 3.1 freeware installed, download it and install it by [clicking here](#).

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

3c) Choose "Import" from the "File" menu



3d) Find the folder “Flight Simulator 9/Military AI Works/United Kingdom/ Tornado GR4/Voicepack Callsigns” in the “Look in:” window



3e) Click “open” for each file or highlight all the files required

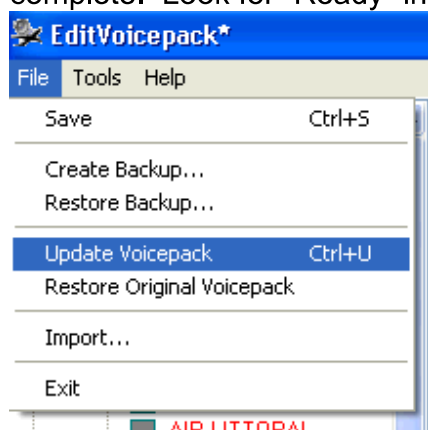
“CHIEFTAIN” “SPARTAN” “SULTAN”
 “BATMAN” “VEGAS” “FANG”
 “COBRA” “LANCER” “TRIBAL”
 “DULUX” “STARBUCK”
 “FOXEE” “JACKAL” “WOLF”
 “KNIGHT” “SERPENT” “SNAKE”
 “ABBOT” “CUTLASS” “BATON”
 “SAXON” “VANDAL” “TROJAN” “GIBSON”
 “GAUNTLET” “TARNISH”

The following file is also included and is the “Tornado” type designator, this should be installed as above callsigns

“TORN”

The following callsigns are standard and should already be installed in voicepack

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

Step 4) Activate MAIW Scenery

Update Scenery Library with EGYM located in your Addon Scenery folder as if installing any other scenery

You will have to restart FS in order that the scenery shows up

That's it! You've successfully installed this package. Your AI traffic files will be automatically updated the next time you run FS9



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:

EGYM	EGF1	ETAV	
EGQS	EGZ9	CFR1	
SPA1		EGY1	STEW
WRA1	EGY2	EGDM	
TAI1		ETUN	EGNO

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:

“CHIEFTAIN” “SPARTAN” “SULTAN”
“BATMAN” “VEGAS” “FANG”
“COBRA” “LANCER” “TRIBAL”
“DULUX” “STARBUCK”
“FOXEE” “JACKAL” “WOLF”
“KNIGHT” “SERPENT” “SNAKE”
“ABBOT” “CUTLASS” “BATON”
“SAXON” “VANDAL” “TROJAN” “GIBSON”
“GAUNTLET” “TARNISH”

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

“Flight Simulator 9/Military AI Works/United Kingdom/Tornado GR4/Voicepack 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, but as the Royal Air Force do not publish their weekly Tornado flightplans we have had to use our own judgment!

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.

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

Any questions, suggestions and feedback on the contents may be directed to the forums at 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.

Enjoy it...

