

## Objectives

This document explains how to prepare yourself for the exciting world of online flying.

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## Basic Requirements

Are you ready for online flying? Remember when flying online with a UKV callsign you are flying the flag for Fly UK so it is very important that you know what you're doing.

You don't need to be an aviation expert. However it is important that:

- You are already familiar with your flight simulator software (FS2004, FSX, X-Plane, P3D)
- You are comfortable with flying the aircraft you want to use online.
- You have a basic understanding of Air Traffic Control.
- You are able to fly SIDs (including managing initial climb), STARs and fly an IFR flight plan with waypoints.
- You have a good understanding of Fly UK Standard Operating Procedures (SOP).

We also strongly recommend pilots pass the Fly UK [Basic Check Flight](#) before undertaking online flying.

If you struggle with any of the above points then please let us help you. Before you begin online flying we strongly recommend you speak to our [Training Academy](#) to organise a few training sessions to prepare you.

It is a good idea to work your way through all the areas covered on the basics checklist. We have training sessions and documents available which cover all areas of basic training.

Contrary to popular belief, online flying really isn't that daunting. It is meant to add another dimension to your flight simulator experience in terms of realism but also in terms of fun and the way you enjoy it, so believe us when we say 'once you get started you will never look back.'

If you decide to fly online before taking training then you must include one of the following lines in the remarks section of your flight plan.

- RMK/NEW TO IVAO
- RMK/NEW TO VATSIM

Please do not include the word NEWBIE.

## Guidelines

At Fly UK we encourage a high standard of flying and we aim to help and support all our members to the best of our ability. If we all follow these guidelines when flying online, it will help Fly UK build a good reputation within the online networks.

### Communication

All pilots flying online must be familiar with the information in the [UKV-TRD-4.2 - IFR ATC Communication](#) document which contains a transcript, ATC terminology & phrases, information on read backs & levels, phonetic alphabet & numbers, UNICOM and general hints & tips.

When switching to a new frequency, DO NOT immediately begin transmitting – you could be interrupting a conversation. Instead, wait 5 seconds before beginning transmission. Also, remember to wait for another pilot to read back instructions before calling up.

### Flying in Uncontrolled Airspace

If there is no ATC online in the area where you are flying, you should tune to the Unicom frequency of 122.800 (a text only frequency) and broadcast your intentions. When flying on Unicom, keep a good look out for other traffic that may be operating in your area.

Unicom is not to be used as a chat channel. It should be used for operational chat only.

### Disputes with Air Traffic Control

Where possible, attempt to resolve a dispute with air traffic control when on the ground. Wait until the aircraft is safely shut down and then contact a network supervisor by private message or email in order to resolve the dispute. VATSIM pilots may use the **.wallop** command to summon help from a supervisor.

Our Operations team will be happy to advise and assist in any resolution between a company pilot and the air traffic control organisation. We will at all times operate fairly and without prejudice.

### Simulator Settings

It is highly recommended that Crash Detection is turned OFF within the simulator. This is so that if another aircraft does get too close, or if a scenery object projects beyond what you can see, your simulator does not take you back to the beginning, potentially ruining a long flight.

If you wish to watch an instant replay, please make sure you disconnect from the network before you do so. Please also make sure you follow simulator setting guidelines as described in [\(6.4\) Simulator Settings](#) of the Fly UK SOP.

### Simulation Limitations

It is not permitted to simulate the following whilst flying online:

- Hijackings
- Interceptions
- Ad-hoc emergencies

### General Hints & Tips

- Always remember to check if there is ATC online. If when you depart the gate there is no ATC online, check again before you enter the runway.
- Remember to use squawk mode STANDBY BY on the ground until you enter a runway, then you should use squawk mode CHARLIE. But be aware that some territories may request mode CHARLIE from initial pushback through to parking on the stand.
- Never pause flight simulator while flying online.
- Always connect with aircraft parked on a stand or at a gate.

### Standard Operating Procedures

All pilots flying online must follow information set out in Fly UK standard operating procedures. We have included some of the most important information below as a reminder.

### Charts

All pilots flying online must have the relevant charts for their flight. Chart links can be found on the departure/arrival airport information tabs on the flight dispatch pages.

### Callsigns

Pilots should use the callsign stated on the computerised flight plan (CFP) unless the callsign is already in use on the network.

Flight Dispatch FL2148							
Overview		CFP	Departure - EGGP	Arrival - LEPA	Alternate - LEIB		
<b>COMPUTERISED FPN</b>							
<b>FPN</b>	FL2148	28JUN16	EGGP/LPL		LEPA/PMI	<b>PF</b>	J.WHEAT
#666028	G-FLFD		<b>PLANNED</b>	0710z	0945z	<b>DEST ELEV</b>	27 ft
	B737					<b>DIST</b>	880 nm
<b>CALLSIGN</b>	UKV36KM					<b>CI</b>	22
<b>DIST</b>	880 nm	<b>LVL</b>	FL370	<b>EET</b>	02:35	<b>ALTN</b>	LEIB/IBZ
<b>ROUTING</b>							
NANTI LB STAFA P18 TELBA UL151 KIDLJ UN859 BCN UZ167 LORES							

In this example, the callsign is: **UKV36KM**

DO NOT put FL in your callsign, it must be **UKV**.

You should only use your Fly UK pilot ID as your callsign, e.g. UKV1121, if you are flying online and:

- you are taking part in an event
- someone else is flying the same flight as you (in which case the callsign is already in use)
- you are flying a Fly UK tour leg
- you are flying a non Fly UK route

For further information on callsigns please see: section [\(6.12\) Callsigns](#) of the Fly UK SOP.

### Flight Plans, Downloadable Flight Plans & Flight Plan Remarks

All pilots should use the downloadable flight plans available on the flight dispatch pages. This will help reduce errors in flight plans and improve consistency.

The following formats are supported:

- IvAp
- FSInn/SquawkBox
- EFB/MSFS/FSC
- vasFMC
- PMDG
- Level-D

For information on how to use the downloadable flight plans for each of the above applications please see: [UKV-TRD-6.6 - Downloadable Flight Plans](#).

If you use the downloadable flight plans, the remarks will enter automatically on your flight plan.

In case you are unable to use a downloadable flight plan, here is an example of the standard remarks which should be used on Fly UK flight plans:

```
REG/GFLAX OPR/FLY UK RVR/200 DOF/091118 RMK/TCAS EQUIPPED
```

If you are unable to use a downloadable flight plan, you should still be able to copy and paste the remarks line from the ICAO section of the computerised flight plan.

If you wish to edit the remarks, you can do so providing you use the correct ICAO remarks.

It is important to understand and apply the correct Aircraft Capability Code (Equipment Code) on the flight plan for any aircraft flown online. An equipment code describes the transponder and/or navigation capability of the aircraft. Air traffic controllers (ATC) issue clearances based on filed suffixes; therefore it is important for pilots to use the appropriate suffix. For further information, please take a look at this [VATSIM tutorial](#).

For further information on flight plans and correct ICAO remarks please see section [\(6.11\) Flight Plans](#) of the Fly UK SOP.

### **Alternate Airports**

You will find suggested alternate aerodromes listed on the flight dispatch pages for all our mainstream flights. However if you are flying a tour flight, you may need to search and enter an alternate aerodrome on your flight plan yourself.

For further information please see section [\(6.14\) Alternate Airports](#) of the Fly UK SOP.

## **IVAO**

The International Virtual Aviation Organisation was founded in 1998 to provide an online platform for flight simulation enthusiasts to enjoy their hobby in a simulated real-world environment, in the company of other people, flying or providing Air Traffic Control services.

- Hundreds of thousands of members from around the world
- IVAO create and supply the software you need to connect to the network
- Provide comprehensive training allowing you to develop your skills
- All services are free

### **Registration**

You can register for IVAO at <http://www.iva0.aero/members/person/register.htm>

### Local Division

Fly UK Virtual Airways belong to the IVAO United Kingdom and Ireland division. Their website can be found at [www.iviao.co.uk](http://www.iviao.co.uk). You may also want to register on their forums which can be found [here](#).

### Network Guidelines

The rules and regulations for IVAO can be found [here](#)

### Downloading & Installing Software

The software required to fly online on IVAO can be found [here](#). You will need to login to the website with your IVAO VID & password to download the software:

- IvAp - The software pilots use
- X-IvAp – For pilots flying with X-Plane
- IvAc - The software controllers use
- IvAi - Makes a Tower View using IvAc/IvAp possible, adds multiple radar views to IvAc

See links to documents and courses below for help with setting up the software on your computer so you can connect to the network.

### Documents & Resources

- IVAO UK - Get started in 5 minutes - [Click Here](#)
- IVAO UK - Connecting to the network using IvAp - [Click Here](#)
- IVAO UK - Frequently Asked Questions - [Click Here](#)

## VATSIM

VATSIM is the Virtual Air Traffic Simulation network, connecting people from around the world flying online or acting as virtual Air Traffic Controllers. This completely free network allows aviation enthusiasts the ultimate as-real-as-it-gets experience. Air Traffic Control (ATC) is available in communities throughout the world, operating as close as possible to the real-life procedures and utilising real-life weather, airport and route data. On VATSIM you can join people on the other side of the planet to fly and control, with nothing more than a home computer.

### Registration

You can find the direct link to join VATSIM [here](#). Joining should be quite straightforward, if you have any trouble, please post a topic in the Fly UK forum.

### Local Division

Fly UK Virtual Airways' main bases are all located in the United Kingdom, which is run by VATSIM-UK, or in full, VATSIM United Kingdom Division. VATSIM-UK combines with VATEUD (European Division) and VATRUS (Russian Division) to form VATEUR (European *Region*). The VATSIM-UK website offers a lot of information to pilots

- [VATSIM-UK Divisional Headquarters](#)
- [VATEUD Divisional Headquarters](#)
- [VATEUR Regional Headquarters](#)

### Network Guidelines

There are many documents outlining the policies of the VATSIM network, which can be found at the following page:

- [Global VATSIM Policies](#)

### Downloading & Installing Software

There are three pilot clients available for use on VATSIM: Squawkbox, FSInn and vPilot. We suggest you visit the [VATSIM Software](#) page, which provides a useful comparison and download links.

There is also the extremely useful program vRoute, which allows you to search for routes, see online air traffic controllers and pilots; view weather for your flight... the list is endless. It is completely free (there is an even better paid version if you want it) and can be downloaded here:

- [vRoute Website](#)

Do note that if you provide Fly UK with your VATSIM ID (if you didn't do so when you joined, you can fill it in under "My Controls" in the Crew Centre), you will automatically receive an invitation to join the Fly UK Community on vRoute when you next start up the program.

If you are also interested in the clients used by Air Traffic Controllers, then feel free to have a look at this page:

- [ATC Software](#)

### Documents & Resources

- [VATSIM Pilot Headquarters](#)
- [VATSIM Pilot Quickstart Guide](#)
- [VATSIM Pilot Resource Centre](#)

## Fly UK FSD Server

Fly UK hosts its own 24/7 FSD multi-player server. The server can be accessed by pilots at any time; however ATC is only available when we host events and training sessions.

### Documents & Resources

- Fly UK FSD Forum
- Section [\(7.4\) FSD Server AUP](#) of the Fly UK SOP

### Connection Details:

- IP: flyuk.aero:3010
- Username: 111111
- Password: skyways