



GuardianUTM™

Approval Services - FAQs

What is a UTM system?

Many definitions of UTM exist, ranging from Uncrewed Systems Traffic Management to our preferred, Unified Traffic Management, which Altitude Angel takes to mean something rather more inclusive than a sole focus on un-piloted aircraft.

What is clear is almost without exception, everybody has a slightly different interpretation about what exactly this acronym means and, perhaps more importantly, what it means to them.

UTM is a term which has unfortunately been diluted and somewhat misused, to the point which has led many to the conclusion 'UTM' is an app on a smartphone.

In our definition of UTM, there is an implicit acknowledgement UTM is not a 'thing', but a movement towards an eventual situation in which the airspace is fundamentally able to be used in a different way than today, by a wider (and more voluminous) variety of aircraft, organisations, and persons.

As an airspace or land manager, why do I need to be UTM ready?

As the use of drones continues to expand, the demand for access to land for take-off and landing, and entering controlled airspace, will also increase from commercial drone operators. Obtaining a clear understanding of who wants to access your land/airspace is an important safety consideration.

A UTM solution provides important insight and simplifies the flight permissioning process, reduces the administrative burden by centralising information, and keeps the level of direct interaction to a minimum, allowing you to focus on other tasks. It also allows airspace managers and landowners to publish tariffs for processing these requests, highlighting to the 500,000+ UK drone operators, that they are open for business and ready to develop their drone eco-system and embrace the drone revolution and its significant benefits.

How quickly can the platform be set up and ready to go?

With GuardianUTM, you can be UTM-ready in as little as 1 month following contract signature. This includes training and implementing support package.

What Terms & Conditions are applicable to this product?

Terms and conditions are subject to individual agreements that will require customer signature.



How do I know that a drone pilot is flying lawfully if I grant access to take off or land on my property?

It is the responsibility of the drone operator to ensure the correct permissions, certifications, documentation and due diligence have been carried out and are in place to support their safe flight.

The UK Civil Aviation Authority (CAA) has guidance on using drones for both private and commercial use, and most other National Aviation Authorities in each country provide similar guidance which can be found on their respective websites.

As an example, in the UK:

To get a flyer ID drone operators must pass a theory test. The organisation that owns or is responsible for the drone or model aircraft must register for an operator ID.

The operator ID shows a basic flying test has been passed and the operator has the know-how to fly safely and legally. The operator ID is a pilot's registration number and must be labelled on the drone or model aircraft.

A drone operator should carry out a Drone Risk Assessment giving you a good indication of the hazards and risks when preparing a drone flight. It identifies the common hazards and includes control measures to reduce the risks associated with operating, launching and landing a drone.

As well as insurance a drone operator should;

- Not fly above 400 feet
- Never allow their drone to fly outside visual sightlines
- Not fly over groups of people, or stadiums
- Not fly within five miles of an airport, unless they have sort and obtained permission from the airspace controller
- Never fly near emergency response sites
- Not fly near other aircraft
- Never fly under the influence

While you may like to be assured that a drone operator is flying lawfully, it is not your responsibility to ensure that is the case.

How can I tell a drone pilot to stop flying if there is a problem?

The GuardianUTM Approval Services feature gives the airspace or landowner full control over the permissioning of a flight. Should it be necessary the approval can be revoked at any point prior to, or even during, the flight at which point the drone operator will receive a real-time notification to their registered mobile phone and via email.



As a land access manager, can I set my own rules for drone users wanting to take off and land from my property?

Yes. GuardianUTM enables zone managers to stipulate the rules/conditions of access to their land (or 'Drone Policy') that need to be followed. This information will be shown within your 'UTM-Ready' zone information panel on the GuardianUTM airspace maps.

As a landowner or land manager, can I say I don't want people flying drones over my property?

Under aviation law, there is typically no recognition of the airspace over privately owned property. Regulations typically only apply to controlled or restricted airspace, as is found around airports and sensitive sites like prisons, military training areas and power stations.

It is the requirement of a drone operator to obtain relevant permission to access and use any private land that is required for their operation.

The addition of GuardianUTM approval services "Automation & Workflow" Feature Pack allows automated rejections for land access during sensitive times. For example, a nature reserve may request that due to nesting birds an area should not be used between 15th February and 28th April, or after dark, or a farmer may request that drone flights do not take place over livestock within the farm.

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