

Unmanned Aircraft System Operations in UK Airspace – Master Glossary and Abbreviations

CAP 722D

A large, abstract graphic composed of overlapping blue and purple shapes, resembling a stylized aircraft wing or a modern architectural element, occupies the lower half of the page.

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First edition, 16 October 2020

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Revision history

First edition

October 2020

This is the first edition of this document.

Foreword

Aim

CAP 722D is the abbreviations list and glossary of terms and for all documents in the CAP 722 series and is the single source of reference.

This document also contains additional abbreviations and terms that may be useful for the UAS regulated community.

CAP 722D replaces all legacy abbreviation lists and glossaries in the CAP 722 document series and these will be removed from individual documents as they are updated in the future.

Content

The terminology relating to UAS operations continues to evolve and therefore the abbreviations and glossary of terms sections are not exhaustive.

Where possible, a reference has been provided for terms in the glossary. The reference is in *italics*.

Terms in this document are a combination of the definitions used within applicable UAS regulation, emerging ICAO definitions and other 'common use' terms which are considered to be acceptable alternatives.

Availability

The latest version of CAP 722E can be located within the [publications](#) section of the CAA website.

Updated information can be found within the [latest updates](#) section of the CAA website's UAS webpages.

The CAA also provides a more general aviation update service via the [SkyWise system](#), which can be filtered by subject matter for relevant UAS related information.

CAP 722 document series structure

CAP 722E, sits within the CAP 722 suite of UAS guidance and policy for operations in UK airspace.

- CAP 722** Guidance and Policy
- CAP 722A** UAS Risk Assessment Methodology
- CAP 722B** The Recognised Assessment Entity
- CAP 722C** UAS Airspace Policy and Guidance
- CAP 722D** Master Glossary and Abbreviations
- CAP 722E** Rotary Wing Swarm Operations

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Abbreviations

A

AAIB	Air Accidents Investigation Branch
ACAS	Airborne Collision Avoidance System
ACP	Airspace change proposal
AD	Airworthiness Directive
ADS-B	Automatic Dependent Surveillance-Broadcast
ADQ	Aeronautical data quality
AFIS	Aerodrome Flight Information Service
AGL	Above ground level
AIC	Aeronautical Information Circular
AIP	Aeronautical Information Publication
AIS	Aeronautical Information System
ALARP	As low as reasonably practicable
AMSL	Above mean sea level
ANO	Air Navigation Order
ANSP	Air Navigation Service Provider
AOC	Air Operator Certificate
API	Application Programmable Interface
ARC	Air Risk Class
AR Ops	Airspace Regulation Operations (CAA)
ATC	Air Traffic Control
ATM	Air Traffic Management
ATPL	Airline Transport Pilot Licence
ATS	Air traffic service
ATSU	Air Traffic Service Unit
ATZ	Aerodrome Traffic Zone

B**BR** **Basic Regulation**

BRLOS Beyond radio line of sight

BVLOS Beyond visual line of sight

C

CAA Civil Aviation Authority

CAP Civil Aviation Publication

CAT Commercial air transport

ConOps Concept of operations

CPL Commercial Pilot Licence

CRM Crew Resource Management

CS Certification Specification

CU Command Unit

C2 Command and Control

D

DA Danger Area

DAA Detect and Avoid

DAAIS Danger Area Activity Information Service

DACS Danger Area Crossing Service

DfT Department for Transport

DR Delegated Regulation

E

EASA European Union Aviation Safety Agency

EC Electronic Conspicuity

EC European Commission

ECCAIRS European Co-ordination Centre for Accident and Incident Reporting Systems

ENR (X.X) En-Route (AIP section)

ERF	Emergency Restriction of Flying
ETSO	European Technical Standard Order (EASA)
EU	European Union
EVLOS	Extended visual line of sight

F

FIR	Flight Information Region
FISO	Flight Information Service Officer
FMC	Flight Management Computer
FPV	First person view
FRTOL	Flight Radio Telephony Operators' Licence
FRZ	Flight Restriction Zone

G

GCS	Ground Control Station – legacy term, replaced by Command Unit
GRC	Ground Risk Class

H

HMI	Human-Machine Interface
-----	-------------------------

I

ICAO	International Civil Aviation Organisation
IFR	Instrument Flight Rules
IMC	Instrument Meteorological Conditions
IR	Implementing Regulation

J

JARUS	Joint Authorities for Rulemaking on Unmanned Systems
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M

MAA	Military Aviation Authority
MOD	Ministry of Defence
MOR	Mandatory Occurrence Reporting

MTOM Maximum Take-Off Mass

N

NAA National Aviation Authority

NATS National Air Traffic Services

NOTAM Notice to Airmen

NQE National Qualified Entity – Legacy term, replaced by RAE

O

OSC Operating Safety Case

OSO Operational Safety Objectives

P

PPE Personal protective equipment

PPL Private Pilot Licence

R

RA(T) Restricted Area (Temporary)

RAE Recognised Assessment Entity

RCS Radar cross section

RF Radio Frequency

RLOS Radio line of sight

RPA Remotely Piloted Aircraft

RPAS Remotely Piloted Aircraft System

RPS Remote Pilot Station – legacy term, replaced by Command Unit

RPZ Runway Protection Zone

RT Radiotelephony

RTC Restricted Type Certificate

RTF Radiotelephony

S

SAIL Safety Assurance Integrity Level

SARPs	Standards and Recommended Practices
SARG	Safety and Airspace Regulation Group (CAA)
SD	Safety Directive (CAA)
SDK	Software development kit
SERA	Standardised European Rules of the Air
SI	Statutory Instrument
SMS	Safety Management System
SN	Safety Notice (CAA)
SOP	Standard Operating Procedure
SORA	Specific Operations Risk Assessment
SSR	Secondary Surveillance Radar
STC	Supplemental Type Certificate

T

TC	Type Certificate
TCB	Type Certification Basis
TCDS	Type Certificate Data Sheet
TCAS	Traffic Alert and Collision Avoidance System
TDA	Temporary Danger Area
TLOS	Target level of safety
TMPR	Tactical Mitigation Performance Requirement
TMZ	Transponder Mandatory Zone
TSO	Technical Standard Order (FAA)

U

UA	Unmanned Aircraft
UAS	Unmanned Aircraft System(s)
UIR	Upper Flight Information Region
UK	United Kingdom of Great Britain and Northern Ireland
UTM	Unmanned Aircraft Systems (UAS) Traffic Management

V

VFR	Visual Flight Rules
VHF	Very High Frequency
VLOS	Visual line of sight
VMC	Visual Meteorological Conditions

Glossary of terms

A

Accountable Manager

A nominated person who has the authority for ensuring that all activities are carried out in accordance with the applicable requirements and regulations. The accountable manager is also responsible for establishing and maintaining an effective Management System.

Aeronautical Information Circular

A notice containing information that does not qualify for the origination of a NOTAM or for inclusion in the AIP, but which relates to flight safety, air navigation, technical, administrative or legislative matters.

ICAO Annex 15

Aeronautical Information Publication

A publication issued by or with the authority of a State and containing aeronautical information of a lasting character essential to air navigation.

ICAO Annex 15

Note: In the UK, publication is the responsibility of the CAA, but is carried out under licence by NATS ([website](#)).

Air Navigation Order

The legal document established as a United Kingdom (UK) Statutory Instrument (SI) that is made for the purposes of regulating air navigation within the UK.

Aircraft

Any machine that can derive support in the atmosphere from the reactions of the air other than the reactions of the air against the Earth's surface.

ICAO Annex 1

Airspace change process

The staged process an airspace change sponsor follows to submit an airspace change to the CAA for a decision. Certain unmanned aircraft airspace restrictions are processed as an airspace change.

Airspace change proposal

A request for a permanent change to the design of UK airspace. Airspace change proposals are usually requested by an airport or air traffic service provider, but proposals may also need to be submitted by individuals or organisations that wish to

restrict or exclude unmanned aircraft operations.

Airspace observer

A person who assists the remote pilot by performing unaided visual scanning of the airspace in which the unmanned aircraft is operating for any potential hazard in the air.

UAS Implementing Regulation

As Low as Reasonably Practicable (ALARP)

Term often used in the regulation and management of safety-critical and safety-involved systems. The ALARP principle is that the residual risk shall be reduced as far as reasonably practicable.

ICAO Safety Management Manual Doc 9859

Approved body

A conformity assessment body which has been approved by the Secretary of State under Article 18 of the UAS Delegated Regulation.

UAS Delegated Regulation

Assemblies of people

Gatherings where persons are unable to move away due to the density of the people present.

UAS Implementing Regulation

Authorisation

See operational authorisation.

Authorised representative

Any natural or legal person established in the United Kingdom who has received a written mandate from a manufacturer to act on his behalf in relation to specified tasks.

UAS Delegated Regulation

Autonomous aircraft

An unmanned aircraft that does not allow pilot intervention in the management of the flight.

ICAO RPAS Manual Doc 10019

Autonomous operation

An operation during which an unmanned aircraft operates without the remote pilot being able to intervene.

UAS Implementing Regulation

B

Basic Regulation

Regulation (EU) 2018/1139 of the European Parliament and of the Council on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency, as retained in UK domestic Law.

Beyond visual line of sight operations

A type of UAS operation which is not conducted in VLOS.

UAS Implementing Regulation

C

C2 Link Service

A communication service supplied by a third party, providing command and control between the unmanned aircraft and the Control Unit.

UAS Implementing Regulation

Certified category

A category of UAS operation that is described in Article 3 of the UAS Implementing Regulation.

Command and control (C2) Link

The data link between the remotely piloted aircraft and the remote pilot station for the purposes of managing the flight.

ICAO RPAS Manual Doc 10019

Command Unit

The equipment or system of equipment to control unmanned aircraft remotely as defined in point 32 of Article 3 of Regulation (EU) 2018/1139 which supports the control or the monitoring of the unmanned aircraft during any phase of flight, with the exception of any infrastructure supporting the command and control (C2) link service.

UAS Implementing Regulation

Note: Command Unit is now the preferred term and replaces Ground Control Station and Remote Pilot Station. CAA documents containing these terms will be updated in due course.

Concept of operations

Describes the characteristics of the organisation, system, operations and the objectives of the user.

Conformity assessment

The process demonstrating whether the specified requirements relating to a product have been fulfilled.

UAS Delegated Regulation

Conformity assessment body

A body that performs conformity assessment activities including calibration, testing, certification and inspection.

UAS Delegated Regulation

Congested Area

In relation to a city, town or settlement, any area which is substantially used for residential, commercial or recreational purposes.

ANO 2016 Schedule 1

Contingency volume

Zone between the boundary of the flight volume and the emergency buffer.

Continuing airworthiness

The set of processes by which an aircraft, engine, propeller or part complies with the applicable airworthiness requirements and remains in a condition for safe operation throughout its operating life.

ICAO Annex 8

Controlled airspace

An airspace of defined dimensions within which air traffic control service is provided in accordance with the airspace classification.

ICAO Annex 11

Note: Controlled airspace is a generic term which covers Classes A, C, D and E airspace in the UK.

D

Danger area

Airspace which has been notified as such within which activities dangerous to the flight of aircraft may exist at specified times.

ICAO Annex 11

Dangerous goods

Articles or substances, which are capable of posing a hazard to health, safety, property or the environment in the case of an incident or accident, that the unmanned aircraft is carrying as its payload, including in particular:

- (a) explosives (mass explosion hazard, blast projection hazard, minor blast hazard, major fire hazard, blasting agents, extremely insensitive explosives);
 - (b) gases (flammable gas, non-flammable gas, poisonous gas, oxygen, inhalation hazard);
 - (c) flammable liquids (flammable liquids; combustible, fuel oil, gasoline);
 - (d) flammable solids (flammable solids, spontaneously combustible solids, dangerous when wet);
 - (e) oxidising agents and organic peroxides;
 - (f) toxic and infectious substances (poison, biohazard);
 - (g) radioactive substances;
 - (h) corrosive substances.
- UAS Implementing Regulation*

Designated Standard

A technical standard:

- a. which is adopted by the British Standards Institution for repeated or continuous application; and
- b. which has been designated by the Secretary of State by publishing its reference number in a manner the Secretary of State considers appropriate.

UAS Delegated Regulation

Detect and avoid (DAA)

The capability to see, sense or detect conflicting traffic or other hazards and take the appropriate action.

ICAO RPAS Manual Doc 10019

Direct Remote Identification

A system that ensures the local broadcast of information about a UA in operation, including the marking of the UA, so that this information can be obtained without physical access to the UA.

UAS Delegated Regulation

Distributor

Any natural or legal person in the supply chain, other than the manufacturer or the importer, who makes a product available on the market.

UAS Delegated Regulation

E

Economic operators

The manufacturer, the authorised representative of the manufacturer, the importer, and the distributor of the UAS.

UAS Delegated Regulation

Electronic Conspicuity

Electronic Conspicuity (EC) is an umbrella term for a range of technologies that can help airspace users to be more aware of other aircraft in the same airspace.

Emergency buffer

Zone outside the operational volume. If UA enters the emergency buffer, the emergency response plan must be carried out.

Equipment to control unmanned aircraft remotely

Any instrument, equipment, mechanism, apparatus, appurtenance, software or accessory that is necessary for the safe operation of a UA which is not a part, and which is not carried on board of that UA.

Regulation (EU) 2018/1139 – Basic Regulation

Exemption

An authorisation document used to allow an exception to the established law. Such an exception is usually only made subject to a number of additional conditions which still ensure adequate safety of the operation

F

Flight Restriction Zone (FRZ)

Airspace of defined dimensions around a protected aerodrome consisting of the aerodrome traffic zone, any runway protection zones and any additional boundary zones, within which the permission of the relevant ATS unit or aerodrome operator, as appropriate, is required before a UAS flight can take place.

ANO 2016 articles 94A and 94B

Flight volume

The zone containing the planned operation, within which the UA must remain for continued safe operation.

Follow-me mode

A mode of operation of a UAS where the unmanned aircraft constantly follows the remote pilot within a predetermined radius.

UAS Implementing Regulation

G

Geoawareness

A function that, based on the data provided by the CAA, detects a potential breach of airspace limitations and alerts the remote pilots so that they can take immediate and effective action to prevent that breach.

UAS Implementing Regulation

Ground Control Station (GCS)

See Command Unit (CU).

Guaranteed sound power level

A sound power level determined in accordance with the requirements laid down in Part 13 of the Annex which includes the uncertainties due to production variation and measurement procedures and where the manufacturer, or his authorised representative, confirms that according to the technical instruments applied and referred to in the technical documentation it is not exceeded.

UAS Delegated Regulation

H

Handover

The act of passing piloting control from one remote pilot station to another.

ICAO RPAS Manual Doc 10019

Hazard

A condition or an object with the potential to cause or contribute to an aircraft incident or accident.

ICAO Annex 19

Height

The vertical distance of a level, a point, or an object considered as a point, measured from a specified datum.

ICAO Annex 5

High authority

Those systems that can evaluate data, select a course of action and implement that action without the need for human input.

Highly automated

Those systems that still require inputs from a human operator (e.g. confirmation of a proposed action) but which can implement the action without further human interaction

once the initial input has been provided.

Hovering

Staying in the same geographical position in the air.

UAS Delegated Regulation

I

Importer

Any natural or legal person established in the United Kingdom who places a product from a third country on the United Kingdom market.

UAS Delegated Regulation

Initial airworthiness

The system used to determine the applicable requirements and establish that an aircraft design is demonstrated to be able to meet these requirements.

L

Light UAS Operator Certificate

A certificate issued to a UAS operator by the CAA as set out in part C of the Annex to the UAS Implementing Regulation.

UAS Implementing Regulation

Lost C2 link

The loss of command and control link with the remotely piloted aircraft such that the remote pilot can no longer manage the aircraft's flight.

ICAO RPAS Manual Doc 10019

M

Making available on the market

Any supply of a product for distribution, consumption or use on the United Kingdom market in the course of a commercial activity, whether in exchange of payment or free of charge.

UAS Implementing Regulation

Manufacturer

Any natural or legal person who manufactures a product or has a product designed or manufactured and markets that product under their name or trademark.

UAS Delegated Regulation

Market surveillance

Activities carried out and measures taken by public authorities to ensure that products comply with the requirements set out in any relevant enactment and do not endanger health, safety or any other aspect of public interest protection.

UAS Delegated Regulation

Market Surveillance Authority

An authority responsible for carrying out market surveillance in the United Kingdom.

UAS Delegated Regulation

Maximum take-off mass (MTOM)

The maximum UA mass, including payload and fuel, as defined by the manufacturer or the builder, at which the UA can be operated.

UAS Delegated Regulation

Measured sound power level

A sound power level as determined from measurements as laid down in Part 13 of the Annex; measured values may be determined either from a single UA representative for the type of equipment or from the average of a number of UA.

UAS Delegated Regulation

Model aircraft

Any unmanned aircraft being flown purely for the recreational sport of model aircraft flying. This includes shop bought or home built aircraft, which are flown 'manually' rather than with any automation other than for flight stabilisation purposes. A model aircraft may be flown under the auspices of an association, or individually.

Model aircraft club or association

An organisation legally established in the United Kingdom for the purpose of conducting leisure flights, air displays, sporting activities or competition activities using UAS.

UAS Implementing Regulation

N

National Qualified Entity (NQE)

Legacy term – see Recognised Assessment Entity (RAE).

Night

The hours between the end of civil evening twilight and the beginning of morning civil twilight or such other period between sunset and sunrise, as may be prescribed by the appropriate authority.

ICAO Annex 6

NOTAM

A notice distributed by means of telecommunication containing information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations.

ICAO Annex 11

O

Open category

A category of UAS operations that is described in Article 3 of the UAS Implementing Regulation.

Operator

See UAS Operator

Operating safety case

A risk assessment methodology intended for use in the Specific category, which is described in CAP.

Operational authorisation

A document issued by the CAA that authorises the operation of an unmanned aircraft system, subject to the conditions outlined within the authorisation, having taken into account the operational risks involved.

Operational volume

The zone containing the flight volume and the contingency volume.

Oversight

The verification, by or on behalf of the competent authority, on a continuous basis that the requirements of this Regulation and of the delegated and implementing acts adopted on the basis thereof, on the basis of which a certificate has been issued or in respect of which a declaration has been made, continue to be complied with.

Regulation (EU) 2018/1139 – Basic Regulation

P

Payload

Instrument, mechanism, equipment, part, apparatus, appurtenance, or accessory, including communications equipment, that is installed in or attached to the aircraft, and is not used or intended to be used in operating or controlling an aircraft in flight, and is not part of an airframe, engine, or propeller.

UAS Implementing Regulation

Permission

An authorisation issued by the CAA to allow flights within the UK subject to the conditions and limitations specified.

Pilot

See Remote Pilot.

Placing on the market

The first making available of a product on the United Kingdom market.

UAS Delegated Regulation

Privately built UAS

A UAS assembled or manufactured for the builder's own use, not including UAS assembled from a set of parts placed on the market by the manufacturer as a single ready-to-assemble kit.

UAS Delegated Regulation

Prohibited area

An airspace of defined dimensions over the land areas or territorial waters of a State, within which the flight of aircraft is prohibited.

ICAO Annex 11

Protected aerodrome

An EASA certified aerodrome, a UK Government aerodrome, a UK national licensed aerodrome or other aerodromes prescribed for the purpose (by the Secretary of state) in relation to a flight restriction zone.

ANO 2016 article 94A.

R

Radio line of sight (RLOS)

A direct radio link point-to-point contact between a transmitter and a receiver.

RAMS

Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products and repealing Regulation (EEC) 339/93.

UAS Delegated Regulation

Redundancy

The presence of more than one independent means for accomplishing a given function

or flight operation.

Recognised Assessment Entity (RAE)

An organisation approved by the CAA to submit reports and/or issue certificates on the CAA's behalf in relation to remote pilot competency.

Remote pilot

A natural person responsible for safely conducting the flight of an unmanned aircraft by operating its flight controls, either manually or, when the unmanned aircraft flies automatically, by monitoring its course and remaining able to intervene and change the course at any time.

Regulation (EU) 2018/1139 – Basic Regulation

Remote Pilot Station (RPS)

See Command Unit (CU).

Remotely Piloted Aircraft (RPA)

An unmanned aircraft which is piloted from a remote pilot station.

ICAO RPAS Manual Doc 10019

Note: RPA is a subset of unmanned aircraft

Remotely Piloted Aircraft System (RPAS)

A remotely piloted aircraft, its associated remote pilot station(s), the required command and control links and any other components as specified in the type design.

ICAO RPAS Manual Doc 10019

Note: RPAS is a subset of UAS.

Restricted area

Airspace of defined dimensions over the land areas or territorial waters of a State within which the flight of aircraft is restricted in accordance with certain specified conditions.

ICAO Annex 11

Robustness

The property of mitigation measures resulting from combining the safety gain provided by the mitigation measures and the level of assurance and integrity that the safety gain has been achieved.

UAS Implementing Regulation

Runway Protection Zone

A zone, which comprises part of the UAS Flight Restriction Zone. It is the airspace extending from the surface to a height of 2,000 feet above the level of the aerodrome within the area bounded by a rectangle

- (a) whose longer sides measure 5 km,
- (b) whose shorter sides measure
 - (i) 1 km (except in the case of Heathrow Airport), or;
 - (ii) 1.5 km, in the case of Heathrow Airport, and
- (c) which is positioned so that
 - (i) one of the shorter sides of the rectangle (“side A”) runs across the runway threshold, and
 - (ii) the two longer sides of the rectangle are parallel to, and equidistant from, the extended runway centre line as it extends from side A out to, and beyond, the runway end to which the runway threshold relates.

ANO 2016 article 94B

S

Safety

The state in which risks associated with aviation activities, related to, or in direct support of the operation of aircraft, are reduced and controlled to an acceptable level.

Safety Management System (SMS)

A systematic approach to managing safety, including the necessary organizational structures, accountabilities, policies and procedures.

Safety Risk

The estimated likelihood and severity of harm to people when they encounter aviation.

Sense and avoid

See detect and avoid.

Small Unmanned Aircraft

Any unmanned aircraft, other than a balloon or a kite, having a mass of not more than 20 kg without its fuel but including any articles or equipment installed in or attached to the aircraft at the commencement of its flight.

ANO 2016 schedule 1 (This term may be adjusted by the DfT during a planned amendment to the ANO between October and December 2020)

Small Unmanned Surveillance Aircraft

A small unmanned aircraft which is equipped to undertake any form of surveillance or data acquisition.

ANO 2016 article 95 (This term may be adjusted by the DfT during a planned amendment to the ANO between October and December 2020)

Sterile ground area

An area on the ground or water within which only people that are involved in the operation are permitted.

Sound power level L_{WA}

The A-weighted sound power in dB in relation to 1 pW as defined in EN ISO 3744:2010.
UAS Delegated Regulation

Specific category

A category of UAS operations that is described in Article 3 of the UAS Implementing Regulation.

Specific Operations Risk Assessment (SORA)

A risk assessment methodology intended for use in the Specific category, which is described in CAP 722A.

Swarming

Operation of more than one UA which are controlled collectively rather than individually.

T

Technical specification

A document that establishes technical requirements to be fulfilled by a product, process or service.

Tethered unmanned aircraft

An unmanned aircraft that remains securely attached (tethered) via a physical link to a person, the ground or an object at all times while it is flying. The tether normally takes the form of a flexible wire or a cable and may also include the power supply to the aircraft as well.

Third country

Any country or territory other than the United Kingdom.
UAS Delegated Regulation

Transponder Mandatory Zone

Airspace of defined dimensions wherein the carriage and operation of pressure-altitude reporting transponders is mandatory.

U

Uninvolved Persons

Persons who are not participating in the UAS operation or who are not aware of the

instructions and safety precautions given by the UAS operator.

UAS Implementing Regulation

Unmanned Aircraft (UA)

Any aircraft operating or designed to operate autonomously or to be piloted remotely without a pilot on board.

Regulation (EU) 2018/1139 – Basic Regulation

Unmanned Aircraft observer

A person, positioned alongside the remote pilot, who, by unaided visual observation of the unmanned aircraft, assists the remote pilot in keeping the unmanned aircraft in VLOS and safely conducting the flight.

UAS Implementing Regulation

Unmanned Aircraft System (UAS)

An unmanned aircraft and the equipment to control it remotely.

UAS Implementing Regulation

Note: The UAS comprises individual 'system elements' consisting of the unmanned aircraft (UA) and any other system elements necessary to enable flight, such as a Command Unit (CU), communication link and launch and recovery element. There may be multiple UAs, CUs or launch and recovery elements within a UAS.

UAS Delegated Regulation (UAS DR).

Commission Delegated Regulation (EU) 2019/945 on unmanned aircraft systems and on third country operators of unmanned aircraft systems, as retained in UK domestic law.

Unmanned Aircraft System (UAS) Geographical Zone

A portion of airspace established by the Secretary of State that facilitates, restricts or excludes UAS operations in order to address risks pertaining to safety, privacy, protection of personal data, security or the environment, arising from UAS operations.

UAS Implementing Regulation

UAS Implementing Regulation (UAS IR)

Commission Implementing Regulation (EU) 2019/947 on the rules and procedures for the operation of unmanned aircraft, as retained in UK domestic law.

Unmanned Aircraft System (UAS) operator

Any legal or natural person operating or intending to operate one or more UAS.

UAS Implementing Regulation

Unmanned Aircraft System Traffic Management (UTM)

A specific aspect of air traffic management which manages UAS operations safely,

economically and efficiently through the provision of facilities and a seamless set of services in collaboration with all parties and involving airborne and ground-based functions.

Unmanned sailplane

An unmanned aircraft that is supported in flight by the dynamic reaction of the air against its fixed lifting surfaces, the free flight of which does not depend on an engine. It may be equipped with an engine to be used in case of emergency.

UAS Implementing Regulation

V

Variation

Change of an operation or technical data that requires an application to the CAA.

Visual line of sight (VLOS) operation

A type of UAS operation in which, the remote pilot is able to maintain continuous unaided visual contact with the unmanned aircraft, allowing the remote pilot to control the flight path of the unmanned aircraft in relation to other aircraft, people and obstacles for the purpose of avoiding collisions.

UAS Implementing Regulation

Visual Observer

See 'airspace observer' or 'unmanned aircraft observer' as appropriate.