



Course Credits, References and other Resources

Drone Security

AAM4Gov is grateful to the following organisations for material referenced within the course and listed as additional reading:

- Civil Aviation Authority (CAA)
- UK Parliament Post
- UK Research and Innovation (UKRI), Future Flight Challenge, Sciencewise
- Regulatory Horizons Council
- Institute of Acoustics
- HM Government
- Scott McLachlan, Kudakwashe Dube, Burkhard Schafer, Anthony Gillespie, and Norman Fenton
- Centre for Protection of National Infrastructure (CPNI)
- National Protective Security Authority (NPSA)
- University of Reading

Web links

Module 1: What is the Threat?

Link: "Threat from Drones in the UK" - National Counter Terrorism Security Office
<https://www.protectuk.police.uk/threat-risk/threat-analysis/threat-drones-uk>

Additional Reading: CAA CAP722: Unmanned Aircraft System Operations in UK Airspace
<http://publicapps.caa.co.uk/modalapplication.aspx?appid=11&mode=detail&id=415>

Module 2: Specific Drone Security Issues

Additional Reading: Annual Safety Review 2022 - CAA
[https://publicapps.caa.co.uk/docs/33/Annual%20Safety%20Review%202022%20\(CAP2590\).pdf](https://publicapps.caa.co.uk/docs/33/Annual%20Safety%20Review%202022%20(CAP2590).pdf)



Additional Reading: CAA Drone and Model Aircraft Code

<https://register-drones.caa.co.uk/drone-code>

Link: CAA Protecting people's privacy:

<https://register-drones.caa.co.uk/drone-code/protecting-peoples-privacy>

Link: Information Commissioner's office advice on privacy and drones:

<https://ico.org.uk/for-organisations/uk-gdpr-guidance-and-resources/cctv-and-video-surveillance/guidance-on-video-surveillance-including-cctv/additional-considerations-for-technologies-other-than-cctv/>

Additional Reading: The CAA's Unmanned Aircraft Systems Drone and Model Aircraft Registration and Education System (DMARES) Enforcement Guidance (CAP 1974)

Included in Course Downloads. [Also download here.](#)

Link: "Rise In Drones Leading to Neighbour Dispute". Gorvins Solicitors

<https://www.gorvins.com/news-media/blog/drones-neighbour-disputes/>

Additional Reading: *Future Flight Challenge – Mini Public Dialogue* report from UKRI and Sciencewise

Included in Course Downloads. Can also be downloaded [here](#).

Link: Earth& Animal Facts A-Z

<https://www.adoptananimalkits.com/advocate/how-to-help-animals/params/post/1280967/using-drones-without-disturbing-wildlife>

Link: Responsible drone use in biodiversity conservation: Guidelines for environmental and conservation organisations who use drones

<https://www.cifor-icraf.org/knowledge/publication/8851/>

Additional Reading: Misuse of Civilian Drones – UK Parliament Post

Included in Course Downloads. Can also be downloaded [here](#).

Link: Drone stops Premier League football game – The Sun

<https://www.thesun.co.uk/sport/21120471/southampton-aston-villa-forced-game-delayed-drone/>

Link: Theft by Drone – Calder Security

<https://www.caldersecurity.co.uk/theft-by-drone/>

Additional Reading: The Regulation of Drones – The Regulatory Horizons Council

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1029834/rhc-drones-report.pdf



Additional Reading: Institute of Acoustics briefing on drone noise

https://www.ioa.org.uk/sites/default/files/briefing_note_-_noise_from_drones_final_july_2022.pdf

Link: Make drones sound less annoying by factoring in humans at the design stage

<https://theconversation.com/make-drones-sound-less-annoying-by-factoring-in-humans-at-the-design-stage-151421>

Module 3: Laws, Regulations and Guidance

Link: For advice on rogue drones or security, contact the National Police Chief's Council Counter Drone Unit:

<https://news.npcc.police.uk/contact/npcc-communications-office>

Link: National Protective Security Authority (NPSA) which coordinates work with the government, police, industry and academia to reduce the vulnerability of the national infrastructure

<https://www.npsa.gov.uk/>

Additional Reading: UK Counter-Unmanned Aircraft Strategy

<https://www.gov.uk/government/publications/uk-counter-unmanned-aircraft-strategy>

Additional Reading: Misuse of Civilian Drones – UK Parliament Post

Included in Course Downloads. Can also be downloaded [here](#).

Additional Reading: CAA CAP722: Unmanned Aircraft System Operations in UK Airspace

<http://publicapps.caa.co.uk/modalapplication.aspx?appid=11&mode=detail&id=415>

Additional Reading: CAA CAP2280: Enforcement Guidance and Draft Statement of Policy on Penalties - Air Traffic Management and Unmanned Aircraft Act 2021 Part 1

https://publicapps.caa.co.uk/docs/33/CAP2280%20ATMUA%20Act%20Enforcement_FINAL.pdf

Link: CAA Guidance for people flying in the Open category:

<https://www.caa.co.uk/drones/rules-and-categories-of-drone-flying/flying-in-the-open-category/>

Additional Reading: The Chaotic State of UK Drone Regulation

<https://arxiv.org/ftp/arxiv/papers/2205/2205.01041.pdf>



Module 4: NPSA Countering Threats

Link: Counter Uncrewed Aerial Systems (O-UAS) – National Protective Security Authority
<https://www.npsa.gov.uk/counter-uncrewed-aerial-systems-c-uas>

Additional Reading: Countering Threats from Unmanned Aerial Systems
Included in Course materials. Can also download [here](#).

Additional Reading: A Guide to Selecting C-UAS Technology
Included in Course materials. Can also download [here](#).

Additional Reading: Countering the Threats From Uncrewed Aerial Systems. Developing Operational Requirements for C-UAS Detect, Track and Identify Technology.
Included in Course materials. Can also download [here](#).

Additional Reading: Countering the Threats From Uncrewed Aerial Systems – Assessing The Threat and Vulnerability
Included in Course materials. Can also download [here](#).

Additional Reading: Countering the Threats From Uncrewed Aerial Systems – A senior executives guide to making your site ready
Included in Course materials. Can also download [here](#).

Module 5: Counter UAS Technology

Additional Reading: Briefing Note: Police Drones – University of Reading
Included in Course materials.

Additional Reading: Police Drones: Uses, Challenges, Future - University of Reading
Included in Course materials.

Module 6: Future Developments

Link: Remote ID – CAA
<https://www.caa.co.uk/drones/updates-and-publications/remote-id/>

Additional Reading: CAP2569: Call for Input: Review of UK UAS Regulations
Included in Course materials. Can also download [here](#).

Link: Electronic Conspicuity Devices - CAA
<https://www.caa.co.uk/general-aviation/aircraft-ownership-and-maintenance/electronic-conspicuity-devices/>