LEGISLATION
How to avoid getting caught while flying drones
Agenda

- General approach
- Basic rules
- Examples
- EASA – The future
National CAA

Drone operations fall under the jurisdiction of a national Civil Aviation Agency, which usually provides online information about rules and permits.

National aviation rules are usually based on international legislation where many parts are commonly shared.
General rules

Get a permission from the right authorities, for example

- National aviation authority
- National mapping and land registration authority
- Military authority
- County administrative board
- WP8 D8.2 Legislation report
General rules

- Keep a distance to people, animals and property
- Never fly over people that is not aware of the mission
- A drone falling from the sky will have a lot of energy in the event of an impact
General rules

- Fly within visual line of sight
- Countries in most INTERACT stations will not allow flying beyond visual line of sight (BVLOS)
- Line of sight means that you should be able to see the aircraft with your own eyes, without any optical aid
- Flying with goggles may require an additional pilot to keep LOS.
- Special permission to fly BVLOS can be obtained according to regulations in some countries
General rules

- Fly within safe altitudes ≈ 120 m (400 feet)
- Manned air traffic will use altitude from 150 m and above
- Helicopters may approach your airspace with a short notice. Make sure to have a plan to communicate with helicopters or other aircrafts and to lower your altitude
- General approach, special permissions can be obtained but differs regulations in different countries
General rules

- Never fly nearby an airport
- Airports have "boxes" with airspaces around them which protect the airspace
- This box is named CTR or control zone (in USA airspace class D)
- Make sure to establish contact with the air traffic control (ATC)
- You can fly within CTR only with permission from ATC
- Airports are marked on aeronautical charts
General rules

- Get an insurance
- Regulation (EC) No 785/2004 require insurance (except model aircraft)
- You will be responsible
Certificate

Find out what kind of certificate you need for your specific drone and mission. The certificates vary greatly in different countries.
Restricted areas usually include airports, military bases, national parks & densely populated areas.
umbilical design
Regional rules

Some regions have their own rules and regulations on the use of drones. These rules must be studied and understood before engaging in any flight activities.
Bigger context

EASA – European Aviation Safety Agency
FAA – Federal Aviation Administration of USA
FAVT - Federal Air Transport Agency of Russia
Transport Canada
In the near future, new EASA rules will replace national legislations in all EU member states.
### EASA – Upcoming unified EU legislation

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Links and software

**Airmap Itunes**

https://itunes.apple.com/se/app/airmap-for-drones/id1042824733?mt=8

**Airmap Google play**

Common sense

Aside from following rules and regulations, the operator must always use her/her best judgement to avoid endangering people, animals, nature and property. Avoid unsafe situations through careful planning and rigorous preparation.
Legislation report

- Available on INTERACT website
- Will include
  - Summary
  - All countries within INTERACT
  - Useful links

https://eu-interact.org/using-drones/
Thank you

Any questions?