Aviation services today

Regulated civil aviation market

Other markets in the EU:
link to aviation

Intermodal connection
Cargo transport

Just in time delivery
Oil rig delivery
Future aviation services

Regulated civil aviation market

- Aerial inspection
- Exploration
- Inspection
- Delivery
- Aerial inspection
- Relay to remote areas
- Regulated civil drones market

Other markets in the EU: link to aviation including civil drones

- Precision farming
- Intermodal connection
- Track and station inspections
- Security
- cargo transport
- Last mile delivery
- Just in time delivery
- Traffic information
- Exploration
- Oil rig delivery

- Energy exploration
- Oil rig delivery
- Cargo transport
- Last mile delivery
- Just in time delivery
- Traffic information
- Exploration
- Oil rig delivery
Aviation operations today

NO DRONES

20,000 m

11,000 m

4,000 m

150 m
Future aviation operations

YES - DRONES

- 20,000 m
  - Telecommunications
    - Relay to remote areas
- 11,000 m
- 4,000 m
  - Cargo
- 150 m
  - Inspections
  - Filming
  - Farming
Aviation safety pillars: existing rules for civil aviation

Specific operations
RISK DEPENDING ON TYPE OF OPERATIONS

- Private piloting and aerial work by small aircraft and helicopters

Certificated operations
TRADITIONAL RISK

- Passenger and cargo transportation
Aviation safety pillars: rules needed for operating drones

**Open operations**
- **LOW RISK**
  - Flying own drone / Photography and filming / industrial operations...
  - Example: a farmer using drones over his own property

**Specific operations**
- RISK DEPENDING ON TYPE OF OPERATIONS
  - Mailing / Infrastructure inspections / commercial or industrial operations...
  - Example: filming of sport events
  - Rules adapted to the level and nature of risk

**Certificated operations**
- TRADITIONAL RISK
  - Remoted pilote license
  - Certification of drones
  - Operation manual

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**Drones**

**Aviation**
- Private piloting and aerial work by small aircraft an helicopters

**RISK DEPENDING ON TYPE OF OPERATIONS**

<table>
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<th>Open operations</th>
<th>Specific operations</th>
<th>Certificated operations</th>
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<td>LOW RISK</td>
<td>RISK DEPENDING ON TYPE OF OPERATIONS</td>
<td>TRADITIONAL RISK</td>
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**No aviation specific rules**
- Enforcement by police

**Aviation specific rules**
- Enforcement of rules by aviation authorities

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