



# POLISH CHAMBER of Unmanned Systems

Drones over cities. How to seize the opportunity?  
European Parliament ASP3H1

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# City drone applications



DRONES OVER THE CITIES. HOW TO SEIZE THE OPPORTUNITY?



# Why are we here?



## OPEN CATEGORY

- **Unification** of rules across the EU by EASA to meet the expectations of the European drone market.
- It made it possible to perform recreational flights and simple tasks within sight (low risk).
- Great job EASA!



## SPECIFIC CATEGORY

- The specific category is fundamental for the use of drone by local governments
- This equipment is technologically mature, providing low risk.
- Specific category should be the main focus and its development top priority
- The regulations now we have are complicated, difficult and demanding





# Equal EU exemptions for the safety applications

## DRONES IN THE CIVIL PROTECTION

Flights for the security of cities and critical infrastructure at the moment follow the civilian regulations. There is an urgent need for an EU-wide regulation that would define a standardized exemption in this area.



# CITIES DISASTER RESILIENCE



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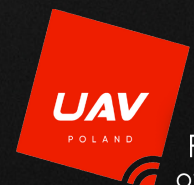
OVER 200,000 PILOTS IN THE OPEN CATEGORY  
OVER 30,000 PILOTS IN THE SPECIFIC CATEGORY

# People

Qualified staff, educated engineers, designers, experienced pilots - people who have invested their time, education, work to develop the drone industry.

A vanguard that is dedicated to innovative deployments, building new processes based on drones.

With the continuation of the limitation of the specific category, they lose their jobs and the processes they have implemented are wasted



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# What multi-rotors are flying in EU cities?

## C-CLASS ASSIGNMENT MARKING

### OPEN & SPECIFIC

Multi-rotors are 100% of the drones flying in urban areas.  
The process of assigning a C-class has resulted in only Chinese multirotor manufacturers were able to meet the requirements

## THE DESIGN VERIFICATION REPORT (DVR)

### SPECIFIC & CERTIFIED

No multi-rotor has obtained a DVR report issued by EASA, which is required for higher-risk operations.





# How to seize the opportunity?

## DRONES OVER THE CITIES

### RECOMENDATIONS

- ➡ Restore the possibility for EU member states to adjust specific category (medium risk) procedures
- ➡ Simplify the mission of the specific category
- ➡ Support for European manufacturers to obtain C-Class
- ➡ Enable EU member states to accept DVR manufacturer's report through local aviation intitutions
- ➡ Formulate common EU exemptions for civile protection flight missions
- ➡ Restore pilot training as an way to ensure safety in the specific category



# About Polish Chamber of Unmanned Systems PISB

1

## DRONE

### PRODUCERS

Prepare unique solutions for local needs in short series, take on the challenges of exporting. They compete with the global market.

2

## DRONE

### SERVICES

Low-profile photogrammetry. Supporting e.g. high-mileage rail and road development, monitoring high-voltage lines. Blood transportation.

3

## DRONE

### TRAINING CENTERS

Training the overwhelming majority of drone pilots in the special and open categories.

4

## DRONE

### SOFTWARE DEVELOPERS

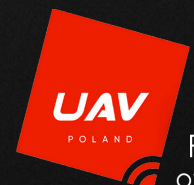
Desktop and SAS applications for drone data processing and storage.

5

## DRONE

### DISTRIBUTORS

Importing drone technology from around the world for the needs of uniformed services, government and business.



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# THANK YOU :)



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