



REPUBLIC OF ESTONIA  
TECHNICAL REGULATORY AUTHORITY



# Spectrum for Drones – UAS *Administrations view* *Baltic*

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COPENHAGEN, DENMARK

- *Regulation*
- *Interference*
- *Test flight*
- *Usage*



Latvija  
100 

Restored  
Lithuania 

Aviation Act;  
Reg of the Government of the Republic No 240 and No 189; Reg of the Minister of Economic Affairs and Infrastructure No 24; General Precept of Director General of the ECAA (2015)

The spaceair protection is regulation point. A single permit (year) has to be given by the ECAA in the parts of a certain airspace and flight coordination.

Regulation No 737 of Cabinet of Ministers „The Procedures for Performing Flights of an Unmanned Aircraft or Movements of Other Such Type of Machine, which are not Classified as Aircraft“ (2015)

– refers to any person who owns or possesses unmanned aerial vehicles or who wishes to operate UAVs

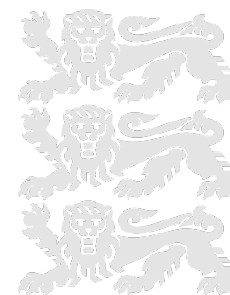
Regulation on the Unmanned Aircraft Operations (2014) :

Flights shall be prohibited:

-UAV is further than 1000 m away from the physical location of the operator;

-in uncontrolled airspace over 400 feet (120 m) above ground surface

# INTERFERENCE CASES



ES II VABARIK



- No registered interference cases.
- Some doubts, nothing specific.
- Raising problems:
  - -jammers;
  - - professional usage for security tasks.



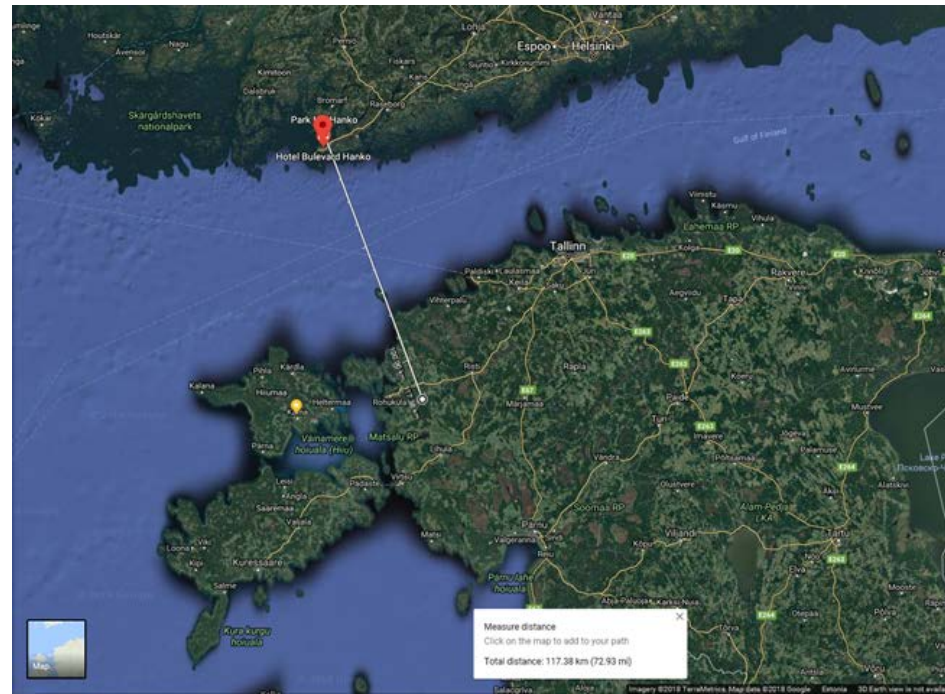
- In 2015 were submitted 11 interference cases for the Riga Airport landing radar. Source – non-EU origin video link transceivers installed on drones.
  - -preventive measures
  - -explanatory campaign



- No registered serious interference issues.
- More often, they cause interference to each other – as there are common usage frequencies on non-interference and non-protecting basis.

# Test flight FIN-EST 2016

- Test/package delivery flight
- Over the Gulf of Finland
- Cross-border
- Controlled by 2 command points,
- 13 admin licenses



# FREQUENCY USE

- EE – 3 licenses, one for helo-type UAV (3 years).
- LT – issued permission to use 2 freq-s. temporary
- LV – potential demand in licensed frequencies bandwidth for video link transmitting; also for longer operating distances.

The tendency for drones to operate in mobile broadband frequency bands with participation of mobile operators

Harmonised frequency use is important

Conformity studies should be done (manufacturers involved)



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# THANK YOU!

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