

RPAS

a rising problem

safety recommendations by
ANSV



Agenda

- **Objective;**
- **Regulatory framework;**
- **Statistics (It);**
- **Considerations;**
- **Safety Recommendations.**

Objective

Share the case study and the following safety recommendations issued by ANSV

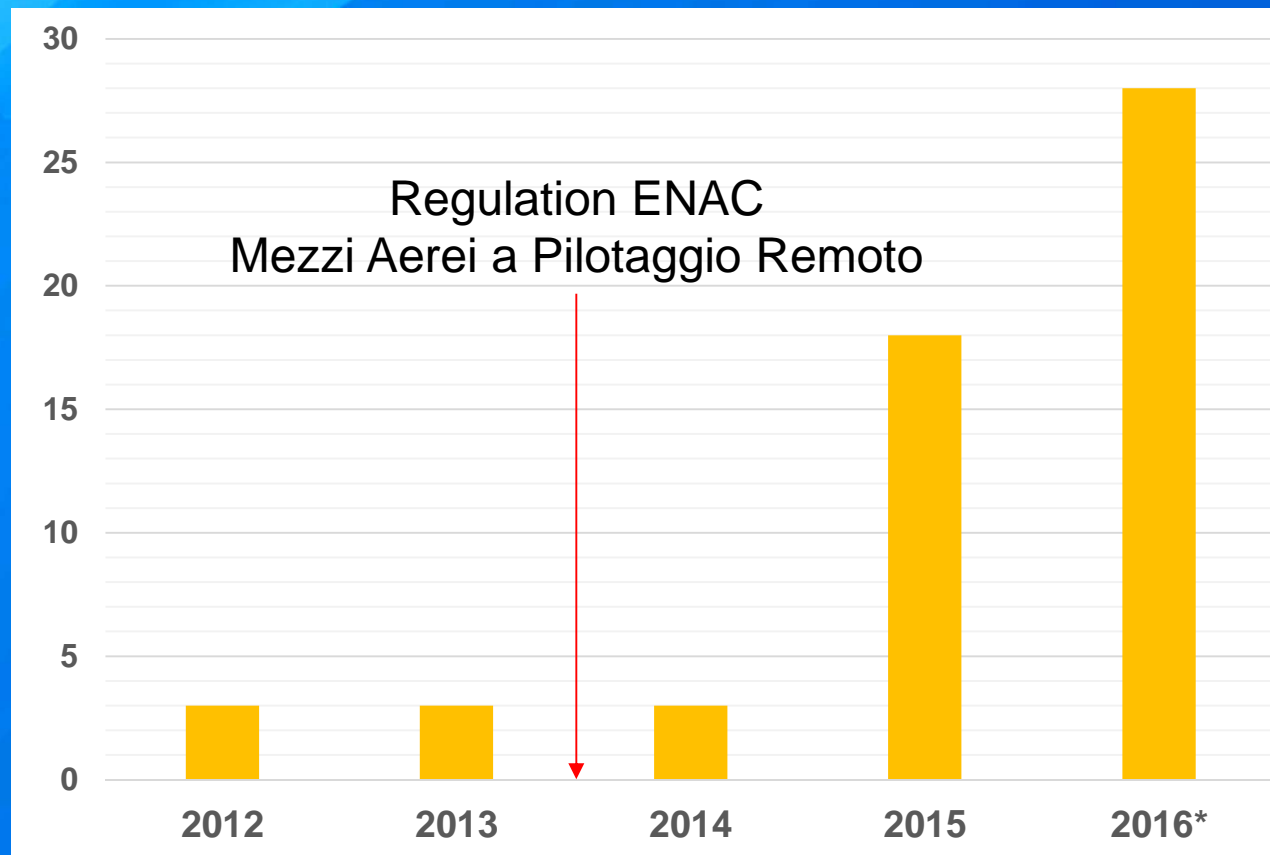
Regulatory framework

Regulation ENAC (Italian Civil Aviation Authority) «Mezzi Aerei a Pilotaggio Remoto»

- No drones in the ATZ;
- No drones above 500 ft altitude;
- The drone pilot has to avoid any interference to the air traffic;

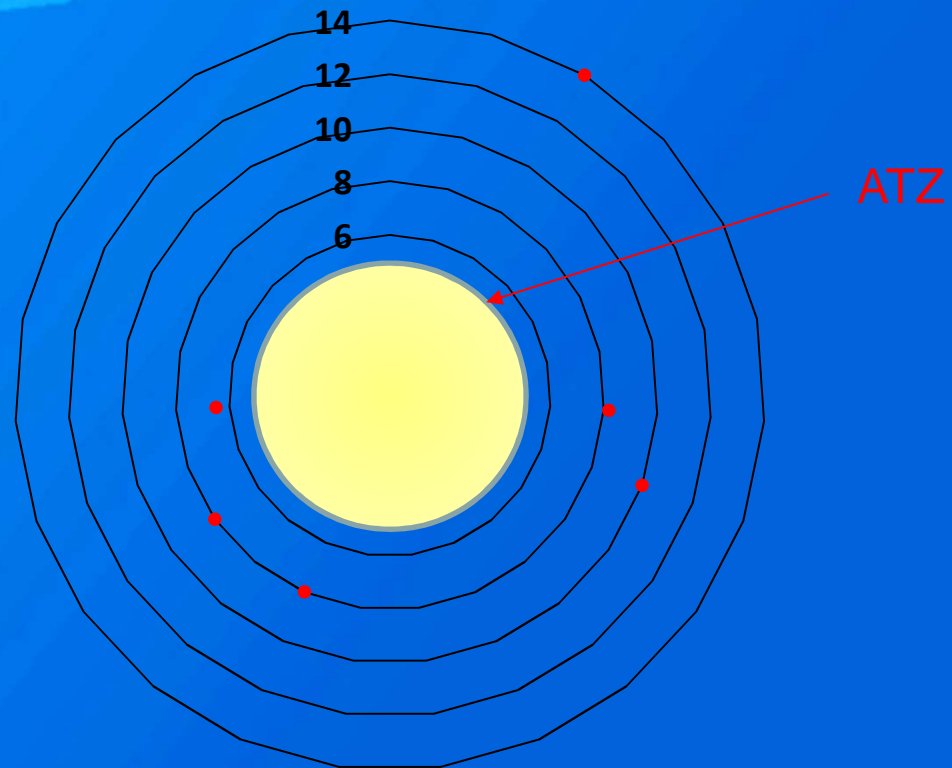
Statistics

Drone sighting events



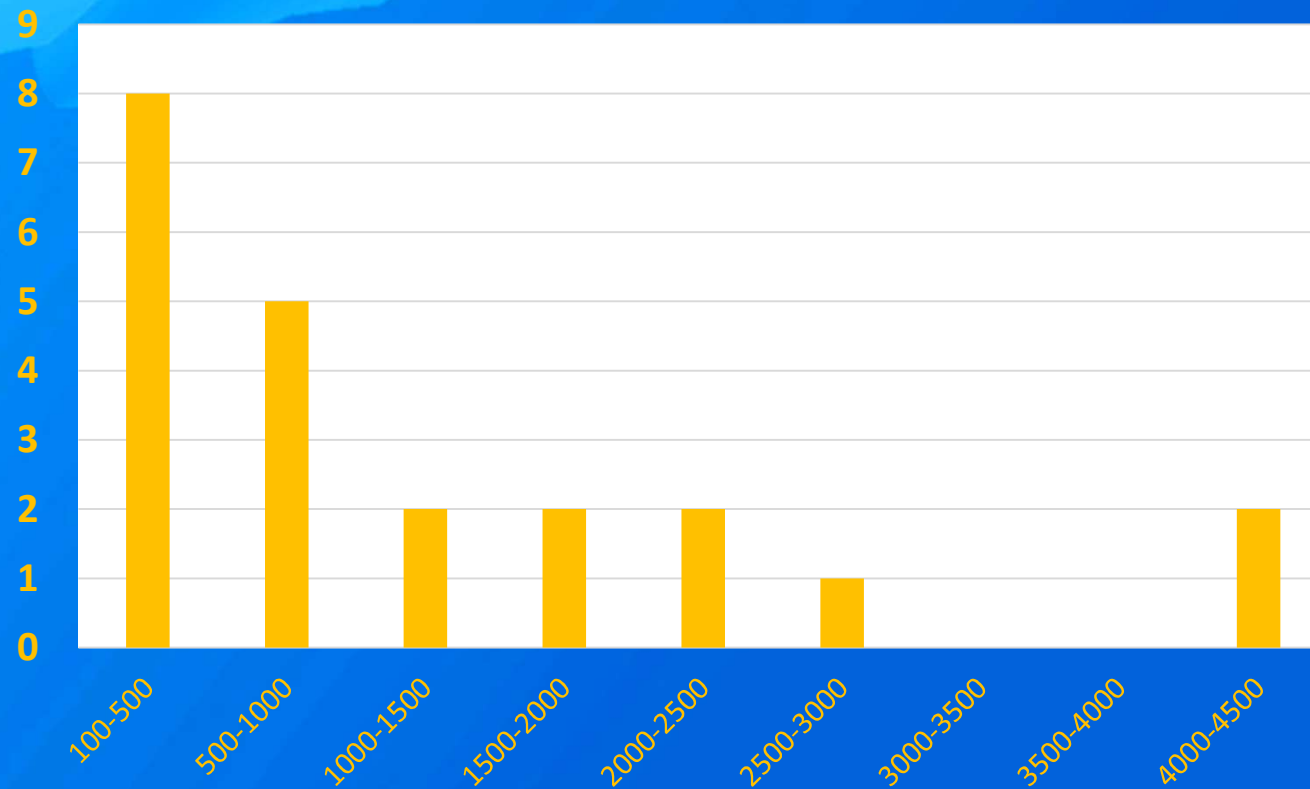
Statistics

distance from the airport [nm]



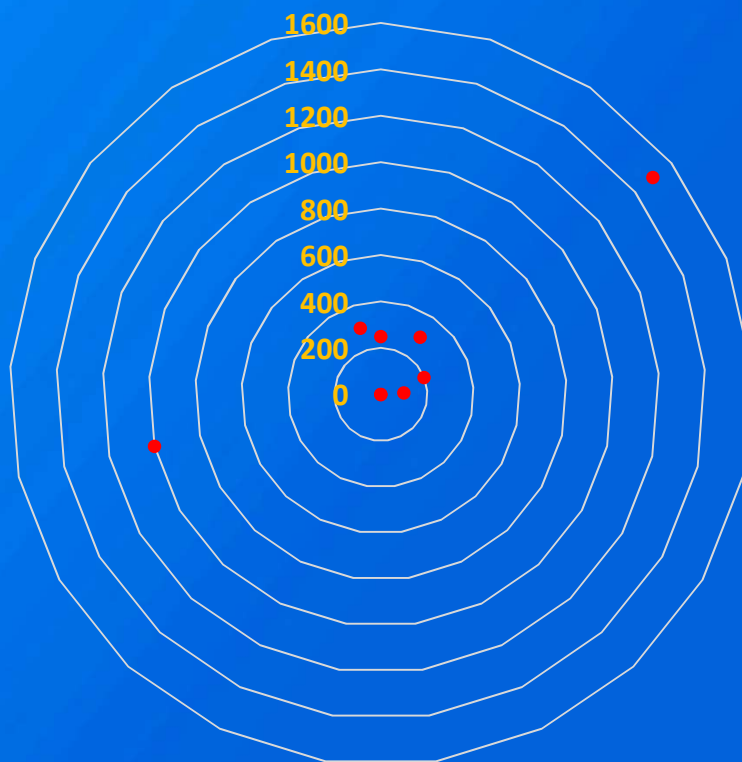
Statistics

altitude [ft]



Statistics

distance from the aircraft [ft]



Considerations

All the events are violations of the ENAC regulation;

As the number of events is growing, the **risk of an accident is high**;

This bring to the consideration that the regulatory framework is in some way lacking.

Safety Recommendations

Causes of the events: lack of accountability – drones are not registered

Recommendation issued to the Italian Ministry of Transportation, ENAC and Aeroclub d'Italia:

To register all the drones (250 g < max TO weight < 25 kg) owner. The registration has to be in such a way the identification should be immediate.

Safety Recommendations

Causes of the events: lack of knowledge:

Recommendation issued to the Italian Ministry of Transportation, ENAC and Aeroclub d'Italia:

To promote a wide information campaign in order to develop the aeronautical culture within the RPAS operator community.

to deliver the ENAC regulation along the RPAS system when sold.

Safety Recommendations

Causes of the events: same air space

Recommendation issued to the Italian Ministry of Transportation, ENAC and Aeroclub d'Italia:

To implement *geofencing* systems in order to avoid automatically interference in controlled air spaces.

To use specific frequencies dedicated to the drones operators.

<https://www.youtube.com/watch?v=p9T6-KPFRq8>

BBC

COLMAR

COLMAR

1.08

**Pictures from
Infront Sports**

59.0

When the drone suddenly fell from the sky inches behind him...



And carried on skiing



Hirscher appeared unaware on the near-miss...

Safety Recommendations

Causes of the events: lack of control

Recommendation issued to the Italian Ministry of Transportation, ENAC and Aeroclub d'Italia:

To promote the ENAC regulation within the Municipality Local Police Corps in order to facilitate the effectiveness of their controls against violations.

Thank you for the attention

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ANSV AGENZIA NAZIONALE
PER LA SICUREZZA DEL VOLO

