



Schweizerische Eidgenossenschaft  
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Federal Office of Civil Aviation FOCA  
RPAS-WG

# Roadmap for drone operations in the European Union (EU)

## Swiss FOCA Position

Stakeholder workshop, Cologne, 20.06.2016



# The impact of drones

## Drones will have an impact on:

- Transportation and mobility in general
- Economic environment
- Communication
- Health system
- Traditional manned aviation
- Leisure
- .....
- The entire society!



# Drones, a big challenge

The regulators will have to come up with answers.

## The goal must be

- Enabling the development of this emerging technology in a safe way, which is a prerequisite for public acceptance.
- Safe and efficient integration of drones into national airspace system.



# Our keys to a smart Open Category

- Identification of flying drones and their pilots
- No pilot license to ensure competence in the open category
- No technical geofencing mandate in the Open Category
- No technical performance limitation



# Our view on an effective Specific Category

- Flexibility in the rules is essential.
- Legal challenges at European level
  - a) to maximize the risk based character of the specific category,
  - b) to rely on risk assessment methodologies (e.g. SORA),
  - c) to establish the necessary legal rigidity to enable mutual recognition of operational authorizations.



# Smart Rulemaking

## Smart Rules for emerging technologies:

- Stepwise approach to accommodate technological progress by risk based regulation.
- Operations and not the technology are in the foreground.
- Operational requirements and restrictions are easier to implement than technical ones.
- Yes to the existing product safety rules, no to geofencing and performance limitations.
- Be technology neutral and focused on objectives.
- Interoperability is essential.



# Smart Regulator

## A smart regulator:

- implements a stepwise approach to accommodate technological progress and risk based regulation,
- takes care about the availability of data in defined and internationally standardised format,
- ensures increasing awareness by active communication in all medias,
- thinks holistic, not atomistic,
- is part of the Drone Ecosystem, by knowing his role,
- develops with the Ecosystem standard scenarios to reduce the authorisation effort and the administrative burden,
- is proactive, not reactive.



# THANK YOU !