

AW - Drones project



Standards in support of UAS operations

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Applicability of regulation for open and specific category

Regulations 2019/945 and 947 become applicable

To all new authorisations in the specific category



2021

Authorisation/certificates issued based on national regulation cease to be valid and they need to be converted into the EU system



2022

Full open category becomes applicable



2023

U-space applicability (January 2023)

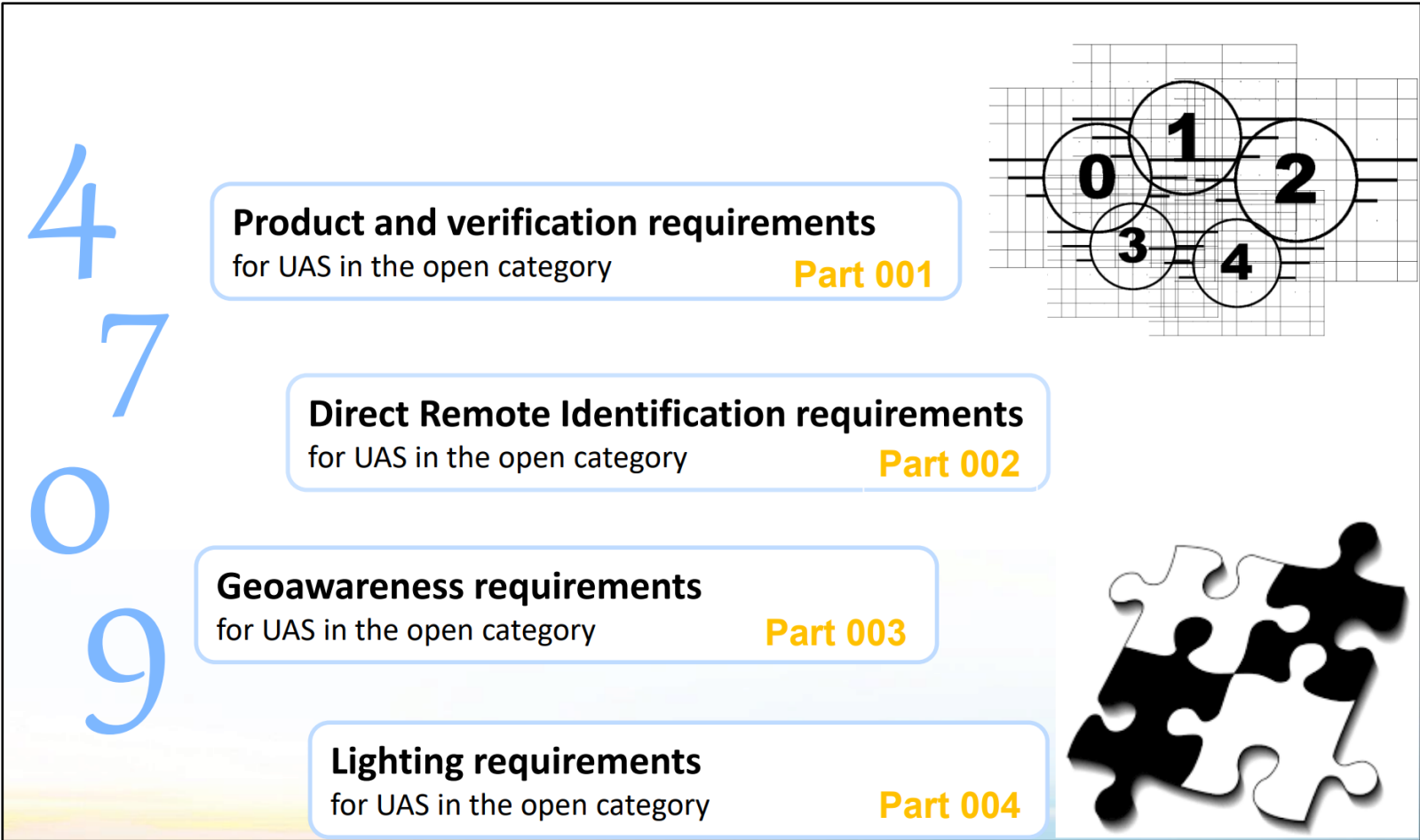


Open category

Verification of design using the EU market regulation framework

Manufacturers are allowed to claim presumption of compliance when they use EN (European norms)

ASD STAN the standardisation body to develop EN



**prEN publication
planned for Q2 2022**

Specific category: need for standards

- All SORA elements should be associated with standards acceptable to each level of robustness.

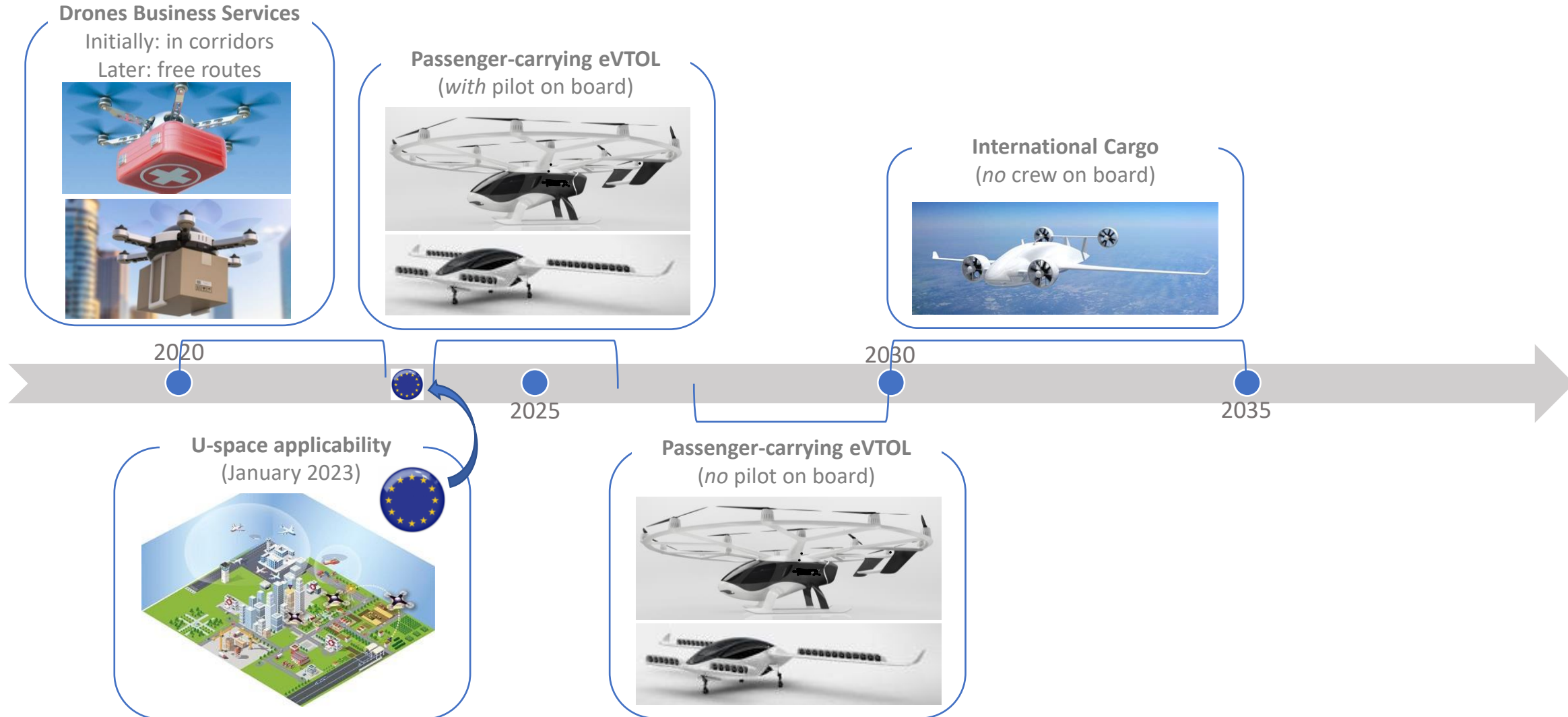
-  inputs

-  EUSCG coordination

-  EASA experts evaluation

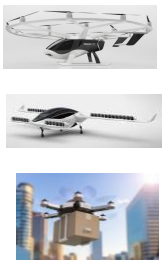
Expected industry developments

EASA regulatory input to EC Drone Strategy 2.0




RMT.0230 planning

2020		2021				2022				2023				2024
Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1




Type#2 operations
Specific high risk





NPA #2


Type#3 operations
Manned UAM



Opinion #2





Type#1 operations
IFR cargo



NPA #3

Type#2 operations
Unmanned UAM



Opinion #3

The U-space

Airspace where some services are provided.

Regulation (EU) 2021/664
Applicability date 26 January 2022



U-space airspace

Network
identification

Geo-awareness

Traffic information

UAS Flight
authorisation

Mandatory
services

'Optional'
service

Monitoring
service

Weather
service

Making it happen – safely!

Critical UAM enablers EASA is working on

International Cooperation

Harmonised Technical Standards, Research, Demonstrations

Uncooperative and malicious Drones

Counter-UAS Action Plan

Airworthiness, Aircraft Certification and Maintenance

eVTOL and UAS

Civil-Military Coordination

Dual-use Drones, ATM Integration

Vertiports

Technical Specifications and Navigation Aids

Training and Simulation

Virtual & Augmented Reality

Air Operations

Operating Rules in Urban Environments

Novel Technologies

Flight Controls, Avionics, Propulsion, Energy

Personnel training and licencing

Operators, eVTOL Pilots, Remote Pilots

Digitalisation

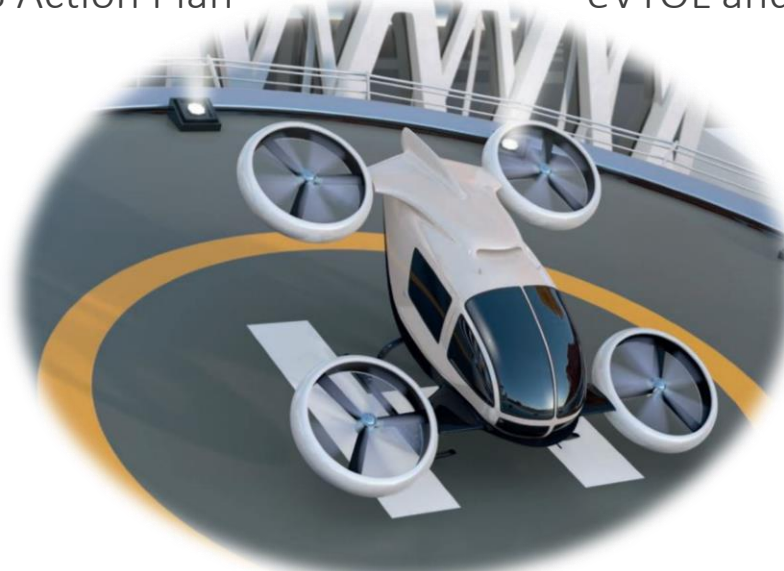
Artificial Intelligence, Autonomy, Cybersecurity

Operator Certification

Air Operator Certificates

Airspace Architecture and Integration

U-space, C2-Link, Detect-and-Avoid, iConspicuity





Your safety is our mission.