



U-space draft regulation

AW-Drones Workshop

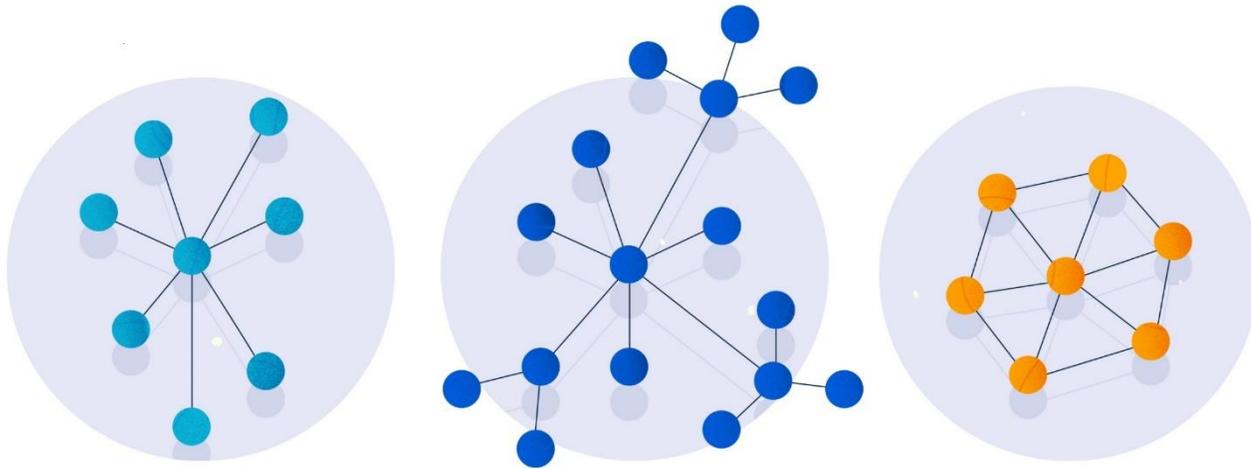
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U-space

- UAS Traffic Management
- Based on connectivity and Internet services, IoT, V2V comms...
- Blooming area
 - Pioneer implementations
 - Ongoing R&D
- Minimal regulatory framework being developed – technology neutral

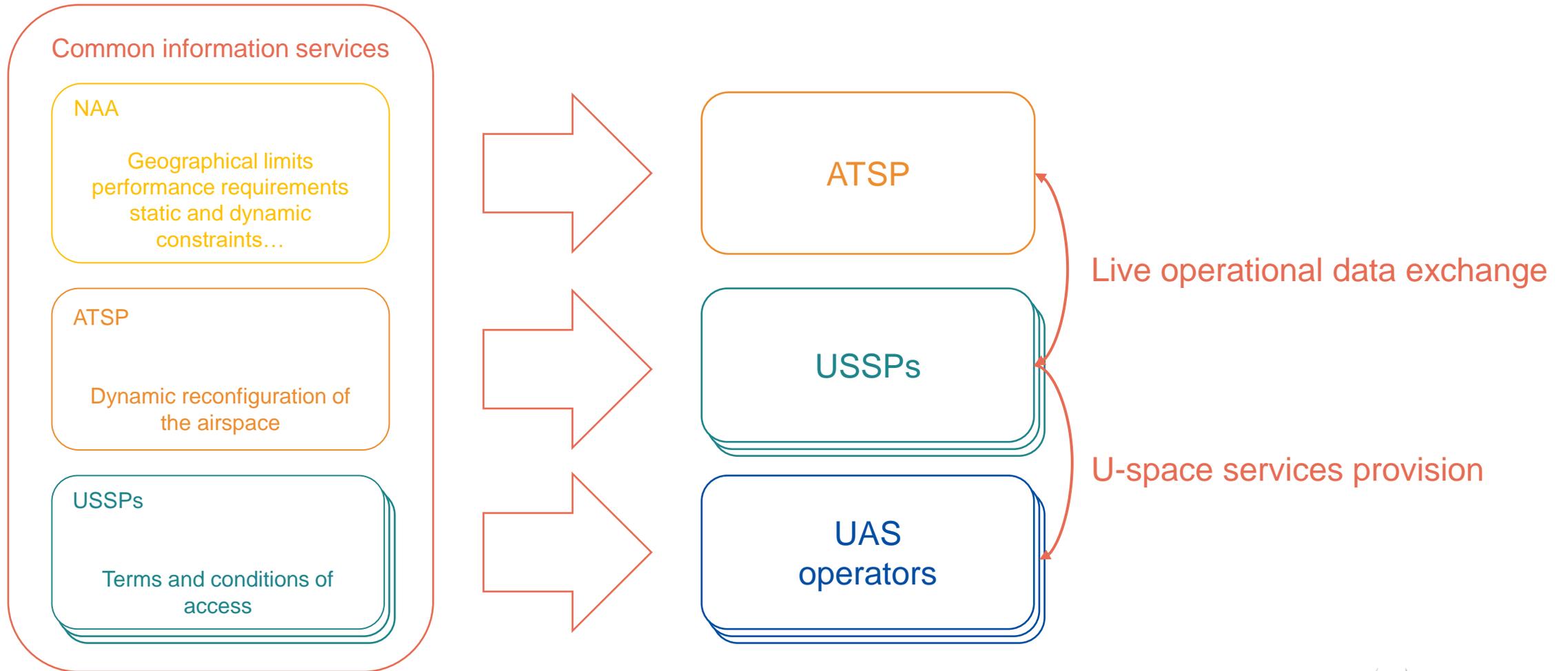


Common Information Services

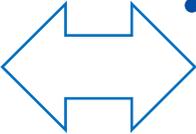
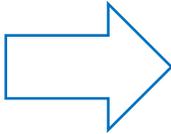


- No compelling safety argument for a single, centralised, monopolistic service provider
- ANSPs and USSPs will provide (part of) the common information and are already certified
- MS and authorities will provide the rest of the common information and do not need to be certified

Common Information Services



Required U-space services

- Resulting from the airspace risk assessment
 - Could the minimum be only Network Identification?
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- U-space assumed to be created where there is a need for traffic management
- Need for a certain level of harmonisation to support free movement of UAS operators and USSPs
- Harmonisation also supports safety
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- Proposed to keep the following minimum:
 - Network id
 - Geo-awareness
 - Flight authorisation
 - Traffic information

Impact on Manned Aviation

- UAS operators will subscribe – and pay – for U-space services
- Commercial aviation continue to pay for air traffic services
- Separation between account for CIS and accounts for any other activities (incl. separation of accounts for ANSP providing CIS) – see SES2+ recast
- Electronic conspicuity a necessary condition for the safe access to U-space airspace in uncontrolled airspace

Annexes

1. **Annex I** - Criteria for the definition of capabilities, performance requirements, operational conditions and airspace constraints
2. **Annex II** – Publication of the information
3. **Annex III** – data quality requirements
4. **Annex IV** – UAS flight authorization request
5. **Annex V** – exchange of information
6. **Annex VI** – Template for certificate

Thank you



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Slide 2&4: Delair DT26, source: delair.aero; slides 2&3: Lilium regional air mobility vehicle, lilium.com

