



**REMOTELY PILOTED AIRCRAFT SYSTEMS
SYMPOSIUM
23-25 March 2015**

**RPAS INTEGRATION INTO
ATM**

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Chapter 14 ATM INTEGRATION

- **Overview**

- Recommendation and identification of current Best practices
- Operation in controlled and uncontrolled airspace

- **Out of scope**

- Ground ops
- Segregated ops

Integration principles

- gradual approach
- As safe as manned aircraft
- Confirm to existing airspace requirements
- Compliance with existing ATM requirements
- Interact with other airspace users

Operations

- Operator responsible for flight
- Will require to meet same performance requirements as manned aircraft
 - Transponder ops
 - CNS
 - Flight rules
 - C2 (transponder settings)

Flight Rules

- Right of way
- Performance requirements
- ATM procedures
- Flight plan
- Controller training

Safety management approach

- **ANSP SMS**
- **Traffic complexity**
- **Latency**
- **Conspicuity**
- **Non standard communications**
- **Specific meteo hazards**
- **acceptance**



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