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TASK 2 Single European Sky

WP2 Presenter: Dirk-Roger Schmitt (DLR)

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Task 2 – Single European Sky (DLR)

- T2.1 Integration into SES and SWIM (NLR)
- T2.2 Liaison with the SES ATM Research program (DLR)





 SWIM impact: Influence on UAS operation on: navigation, flight planning, communication. Maybe impact on the legislative issues.



T2.1 relevant projects



- SWIM-SUIT SWIM prototype to assess technological solutions
- SES: CIV-MIL cooperation
- Functional Airspace Blocks (e.g. FABEC)
- INOUI: Innovative Operational UAS Integration UAS can benefit from SWIM
- SOFIA: Aircraft flying in UAS mode after critical event on board
- NEXT GEN (USA)



T2.1 relevant results (so far)



- Within SES but outside SESAR we did not find any relevant results
- Mixed operations specifically relevant for UAS integration





- Liability and insurance
- Incorporating UAS's into current operation
- Decide to what extent UAS's need to be treated differently from manned vehicles (highly dependent on type of UAS)
- Decide on additional requirements for airspace structure (do UAS (missions) have special airspace needs?)
- How can UAS's benefit from SWIM?





•SESAR defines the airspace of the future, techniques and procedures.

Introduction of business trajectories and SWIM

•UAS to comply with the concept



T2.2 relevant projects



- UAS integration happens in the timeframe of SESAR
- SJU Call for Associated Membership
 - LOT 6: UAV/UAS Integration in SESAR
 - UAS insertion into "normal traffic"
 - Integration in SESAR conops
 - Interfaces with SWIM



T2.2 relevant results (so far)



- Results to be expected within the timeframe of SESAR
- INOUI ideas might be used
- Results from trajectory oriented projects can be considered (IFATS, 4DCo-GC)





- Reliable Sense/See & Avoid
- Separation Assurance
- Comply with Business Trajectory
- Mixed operations
- ATC communications