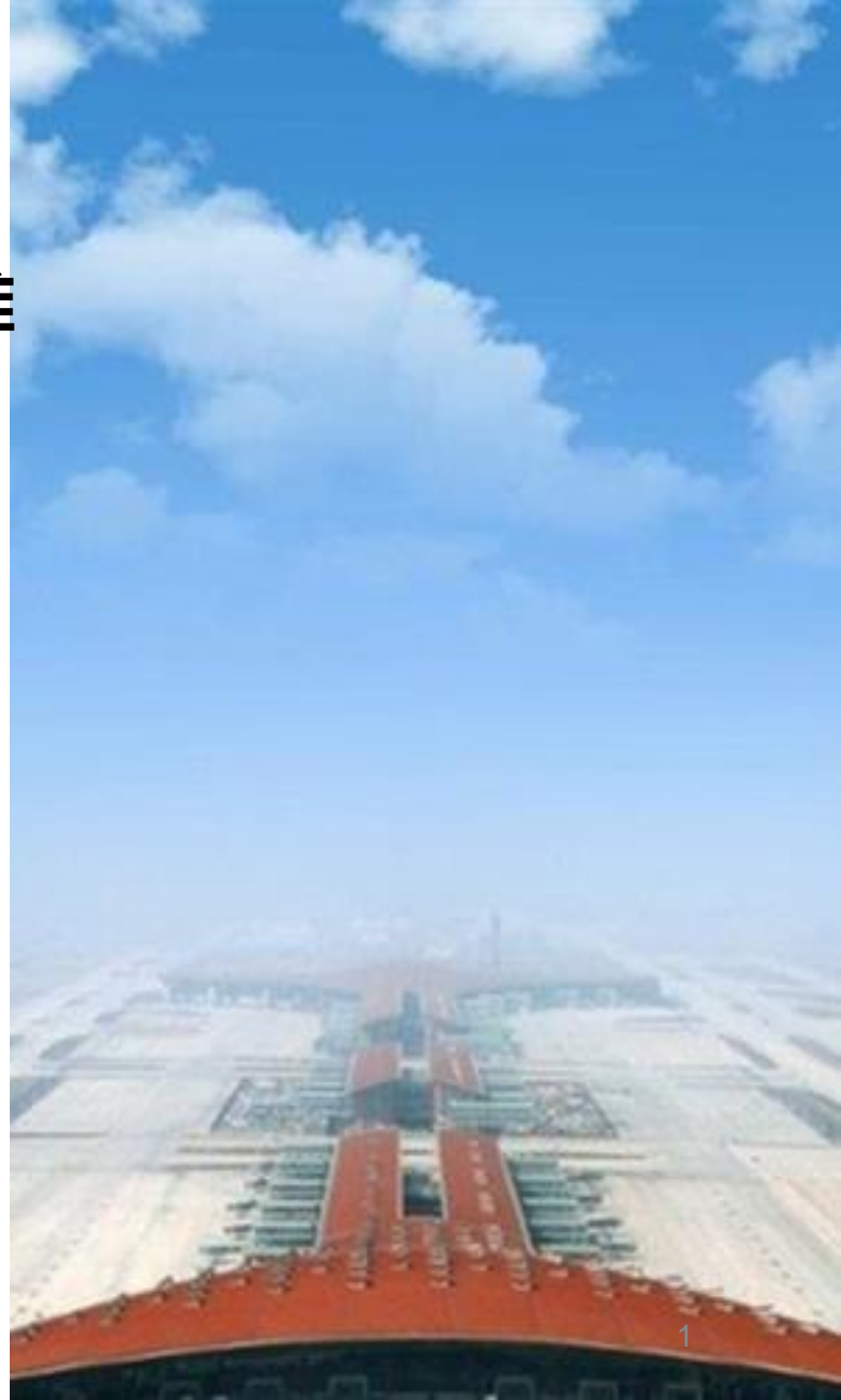




研究城市场景物流无人机标准

Develop UAS Standard for logistics in Urban Scenario

Civil Aviation Administration of China
July 5, 2022



Develop UAS Standard for logistics in Urban scenario

Urban Logistics Operation Approval

- CAAC implement the risk assessment with SORA method
- SAIL II, Approved on 2019.10, FH:15K, FC:54K, AL-4
- Base Antwork project, 3 standards has developed
- Technical requirements of multi-rotor electric unmanned aircraft system (small and light) for urban logistics
- Taxonomy of distributed operation level for civil unmanned aircraft system
- Route design specification for urban logistics of the unmanned aircraft system (small and light)



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Technical requirements for electric multi-rotor unmanned aircraft system (small and light) for urban logistics

- Applicability: Empty weight < 15KG, MTOW < 25KG,
- General requirement,
- Flight performance,
- Design requirement: Structure, Environment, Reliability...etc
- System and Equipment: Motor, Power Supply, DAA...etc
- Emergency and Response
- Placard and Sign
- Operation Manual



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CAAC proposed:

- ❑ Bring More Flexibility and room for drone in Annex 8.
- ❑ Develop guidance material on CONOPS, Risk analysis, Mitigations method(SORA) ...etc on Urban drone operation for the Member State
- ❑ Develop recommend technical standards of drone for the Member State



Thank you for Attention

Q & A

