



# FAA UAS SYMPOSIUM

## UAS Research – Who’s Doing What?



Federal Aviation  
Administration



# UAS Research – Who's Doing What



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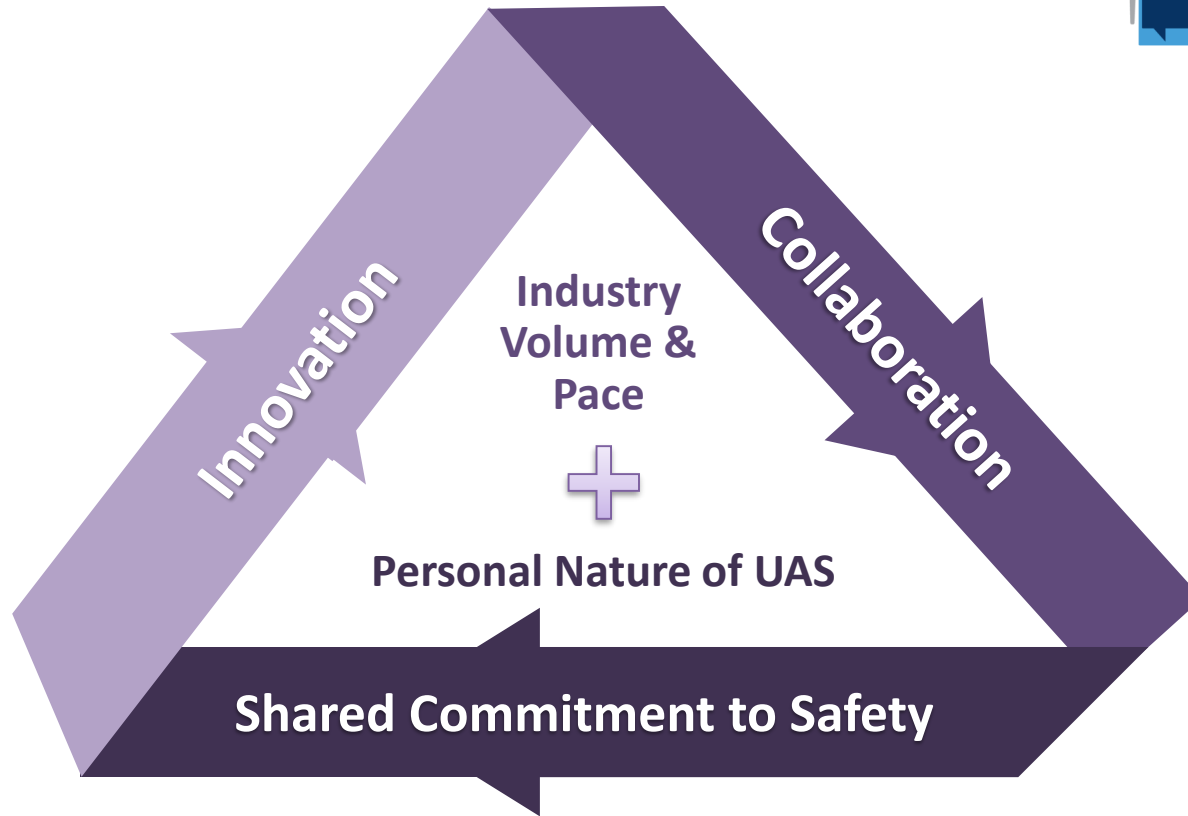


Steve Luxion  
ASSURE

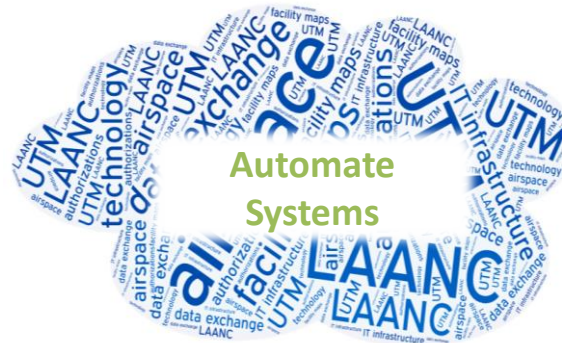


**FAA UAS**  
SYMPOSIUM

# Meeting the Challenge



# FAA UAS Priorities



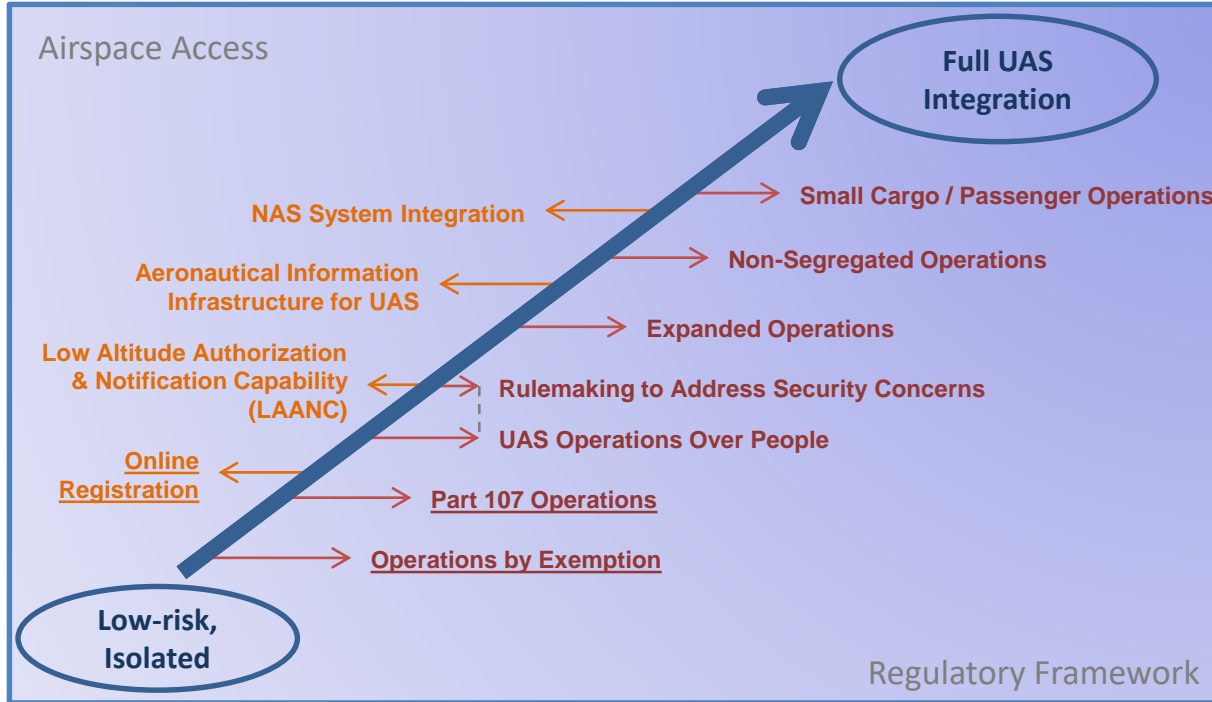
# The Path to Full Integration



Large UAS / high energy output



Small UAS / low energy output



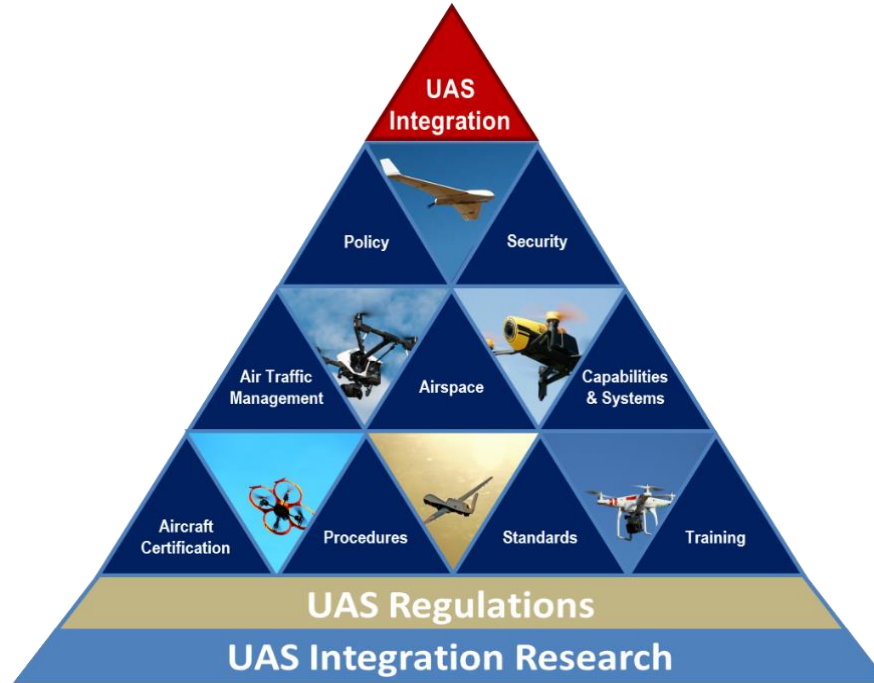
Within VLOS / isolated operating area



Beyond VLOS / populated operating area

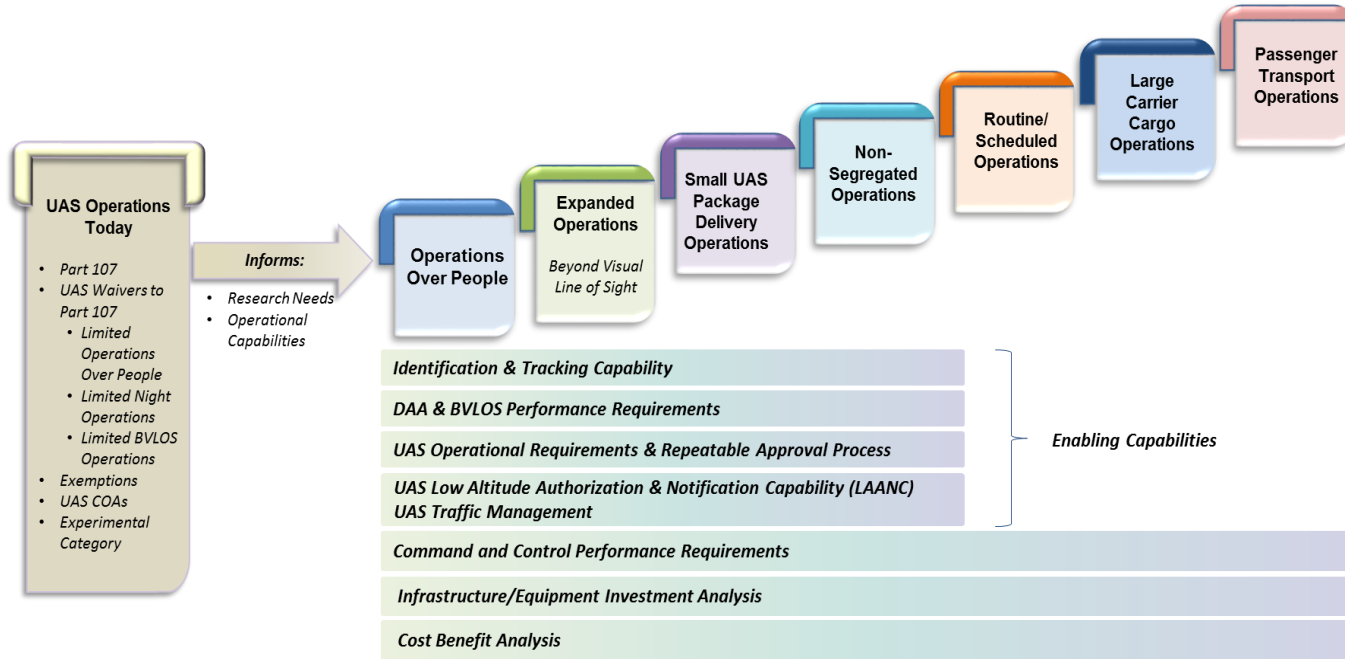


# UAS Integration Research Functional Framework

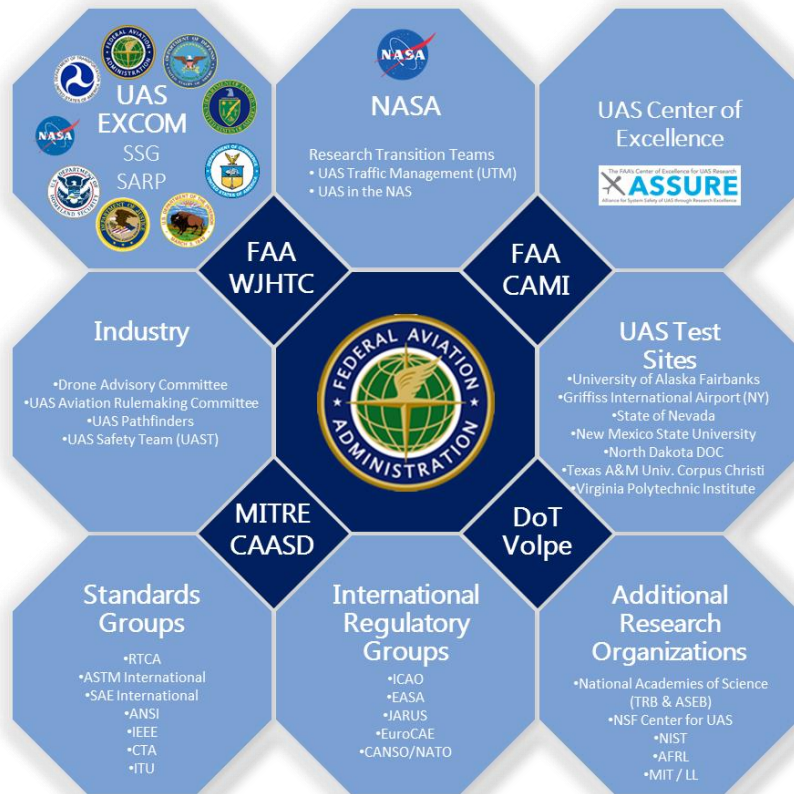


*UAS integration research is the foundation for  
UAS integration*

# Research Continuum for Operational Capabilities Towards Full UAS Integration



# UAS External Collaboration & Partnerships



- *AFRL: Air Force Research Lab*
- *ANSI: American National Standards Institute*
- *ASEB: Aeronautics and Space Engineering Board*
- *ASSURE: Alliance for System Safety of UAS through Research Excellence (FAA's Center of Excellence for UAS)*
- *ASTM: American Society for Testing and Materials*
- *CAASD: Center for Advanced Aviation Systems Development*
- *CTA: Consumer Technology Association*
- *EASA: European Aviation Safety Agency*
- *EXCOM SSG: Executive Committee Senior Steering Group*
- *FAA CAMI: Civil Aerospace Medical Institute*
- *FAA WJHTC: William J. Hughes Technical Center*
- *ICAO: International Civil Aviation Organization*
- *IEEE: Institute of Electrical and Electronics Engineers*
- *JARUS: Joint Authorities for Rulemaking on Unmanned Systems*
- *NIST: National Institute of Standards and Technology*
- *NSF: National Science Foundation*
- *SARP: Science and Research Panel*
- *TRB: Transportation Research Board*







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