Group 3 report

Break Out Group #3: Operations

Safety/Security/Privacy	***Operational Environment / Conditions***	***Operator (Remote Pilot in Command)***
Risk	Operations Over People	Handover of Control
Navigational Safety	Nighttime Operations	Flight Operations
Physical Security	Operations Beyond / Extended Visual Line of Sight	Airspace CONOPS
Privacy	Weather	Ground Operations / Infrastructure
	Collision Avoidance / Detect / Sense and Avoid	Training Management / Oversight
	Lack of GPS signal (i.e. Urban Canyon)	

Discussed as operational
Artificial Intelligence / Machine learning (require operational testing in addition to Airworthiness?)
Lifecycle management (Maintenance and Logistic considerations)
Marking / Registration

Urgent Standards Needs
Common Termonology
Security
Remote Pilot Training
Airspace Integration
Standards expressed as Architectures for specific user communities / applications

Communications	***Mission***	***Test and Validation***	***Airspace Integration***
Command and Control Data Processing / Transfer / Storage	Flight Planning / Prioritization	Validation and verification Testing Methods (Operational Experience)	Air Traffic Management
Voice Communications	Launch and Landing Sites		UTM
Payload	Degraded Operations		International Harmonization
Cyber Security	Counter UAS (Law Enforcement and Public Safety)		DOD Integration into the airspace
Spectrum Management	Lost Link		Remote ID / Tracking
	Autonomy		
	Collaborative Operation (i.e. Swarming)		
	Emergency / Contingency Operations		
	Payload / Cargo delivery		
	Platform / Payload Interoperability		