(background information only)

ICAO WORKING GROUP STRUCTURE – RPAS PANEL.

WG 1 = Airworthiness
WG 2 = Command & control, spectrum
WG 3 = Hazard detection & avoidance, ACAS interoperability
WG 4 = Personal Licensing
WG 5 = Operator certification, Flight Ops
WG 6 = Strategy, integration into Air Navigation System
**WG 7= Humans in the System ** works with all other working groups through the interface papers and 'job cards'.
**SMS TF = Safety and Risk Management task force **works with all other groups and also involved with re-writing Annex 19.

BREAK OUT WORKING GROUPS OUTCOMES.

AIRWORTHINESS	CONOPS – SCENARIO BASED & DEFINITIONS	LEVEL OF RISK RISK
Requirements (TSOs) COMMUNICATION: TECHNOLOGY INTEROPERABILITY /C2/ADSB/REMOTE ID CONTINGENCY LOGIC (LOST LINK / LATENCY) Integrity of EMC (vulnerable to EMI) Design construction – standards Software integrity updates Roles & Responsibilities (training & accreditation) AMC – training for maintainers Production certification battery standards & fuel) Payload – capability and function Performance – Reliability – demonstrated / CAMO MOC – METHODS OF COMPLIANCE MRO's (MELS) Conformity assessment (self certify) Redundancy requirements SMS & QMS Serial number Contingency procedures – (EP's Nominal, Off Nominal procedures) Human factors (HMI, ergonomics) Disposal of platforms / components	Airspace use case	Categories of risk

OPERATIONS	CONCEPT OF OPS	RISK ASSOCIATED
Detect and Avoid BVLOS / NIGHT / VLOS / SWARM / OVER PEOPLE / MOVING VEHICLE / MARTIME / OFFSHORE Operational Risk Assessments / soras / jsas HAZMATS fire fighting / public safety / sar / cargo type and capacity / launch and landing sites recover of lost vehicles Dangerous goods Contingency procedures – (EP's Nominal, Off Nominal procedures) Preventative Maintenance – CAMO MRO Standard phraseology terminology User documentation & manuals Serial number Human factors (HMI, ergonomics) OSHA / OH&S Disposal of platforms / components		
PERSONAL	CONOPS	RISKS
Human factors (HMI, ergonomics) OSHA / OH&S Roles and Responsibilities - (qualifications / Skills / Attributes / Education). Proficiency training (practical) Assessments Medical standards - (fair work policy) Re-current training Instructor training & CFI and CP (accreditation) Training organization (standards & accreditation) Maintenance training - (AMC under conditions to allow non engineers to perform maintenance)	Erp / first responders / etc Scenario based.	
AIRSPACE & INFRASTRUCTURE	CONOPS	RISK
All comms mentioned in Airworthiness COMMUNICATION: TECHNOLOGY INTEROPERABILITY /C2/ADSB/REMOTE ID CONTINGENCY LOGIC (LOST LINK / LATENCY) Spectrum uses global harmonization Remote ID tracking Vertiports – docking – launch recover – app & dept Dangerous goods		

Re-charging and re-fueling Package delivery Environmental effects Performance requirements Counter drone Security & cyber security GEO Fencing – Disposal of platforms / components		

HOT TOPICS – OR MOST TOPICAL / HIGH PRIORITY / DISCUSSIONS

1. STANDARDS IMPLEMENTATION AND GOVERNANCE – RAMP CHECKS /
2. COMMERCIAL STANDARDS VS OVER ALL STANDARDS LEVELS -
3. COMPLIANCE AND ENFORCEMENT
4. VOLUNTARY CONSENSUS STANDARDS – CAN BE TRANSLATED INTO REGULATIONS
5. WHICH STANDARDS SHOULD BE ENFORCEABLE - ???
6. TRANSPARENT – CLEAR – USER FRIENDLY - SO THAT INDUSTRY FLOURISHES