COMMERCIAL SPACE FOCUS AREAS AND FUTURE WORK

Logen Johnson

Commercial Space Industry Standardization Coordination Meeting

SAE INTERNATIONAL®

LEADING
MOBILITY
THROUGH
INNOVATION

SAE INTERNATIONAL

SETTING THE STANDARDS
THAT LEAD TO SUCCESS

SAE International enterprise is preeminent in serving its members and industry, by providing:

- A neutral forum that convenes to address society's mobility needs
- Consensus-based standards to advance quality, safety and innovation
- The most reliable and comprehensive collection of mobility engineering resources
- STEM education and professional development programs that inspire and build mobility's future workforce
- A global community whose collective wisdom makes mobility more safe, clean and accessible

DEVELOPED BY A GLOBAL COMMUNITY

CURRENT ACTIVITIES

Over 180 active Aerospace committees

- Commercial Space
- Space Environment Safety
- Artificial Intelligence in Aviation
- Electronic Transactions for Aerospace
- Cyber Physical Systems Security
- Position, Navigation, Timing

- AM Additive Manufacturing
- Integrated Vehicle Health Management
- Electrified Propulsion Committee
- Human Systems Integration
- Aerospace Landing Gear Systems
- Configuration Management
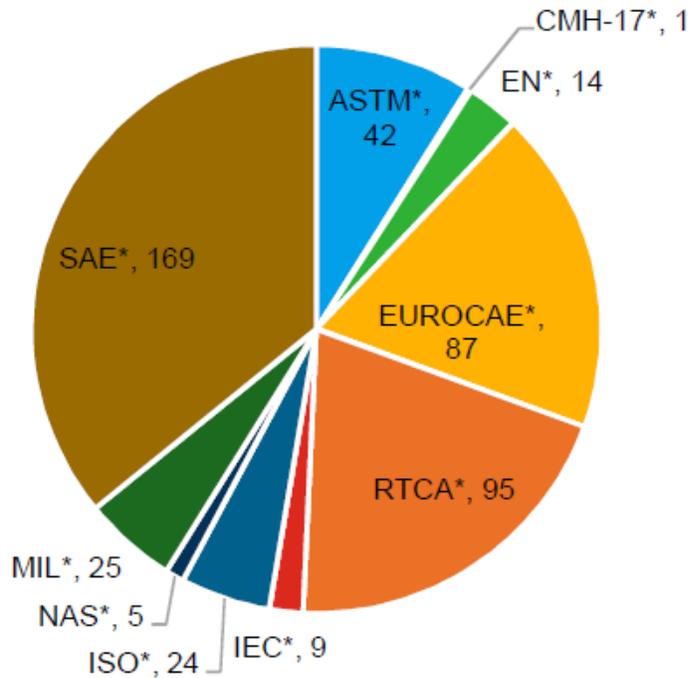
January 31, 2020

KEEPING PACE WITH INNOVATION

Leading Mobility Through Innovation

o Data Sharing
o Health Monitoring
o Data Marketplace
o Data Governance
o Health-Ready Components
o ATO/ATM
o MBSE

o Autonomy
o Cyber-physical
o Counterfeit Avoidance
o Aircraft Noise
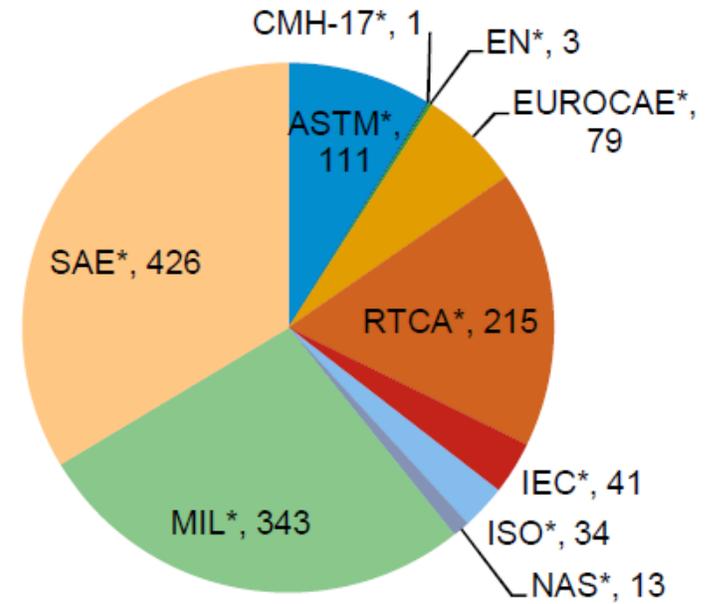o Electric Aircraft
o Advanced Propulsion
o Maintenance

January 31, 2020

SUPPORTING REGULATION

Amount of Unique Industry Standards Referenced in EASA CS, AMC, GM, and ETSOs.
Total: 471

- CMH-17*, 1
- EN*, 14
- ASTM*, 42
- EUROCAE*, 87
- RTCA*, 95
- IEC*, 9
- ISO*, 24
- NAS*, 5
- MIL*, 25
- SAE*, 169

Amount of Unique Industry Standards Referenced in FAA TSOs, ACs†, FAA-STDs and FARs
Total: 1266
†Airport Design Excluded

- CMH-17*, 1
- EN*, 3
- EUROCAE*, 79
- ASTM*, 111
- RTCA*, 215
- IEC*, 41
- ISO*, 34
- NAS*, 13
- MIL*, 343
- SAE*, 426

Thank You