



THE GOLD STANDARD FOR AVIATION SINCE 1935

RTCA Overview

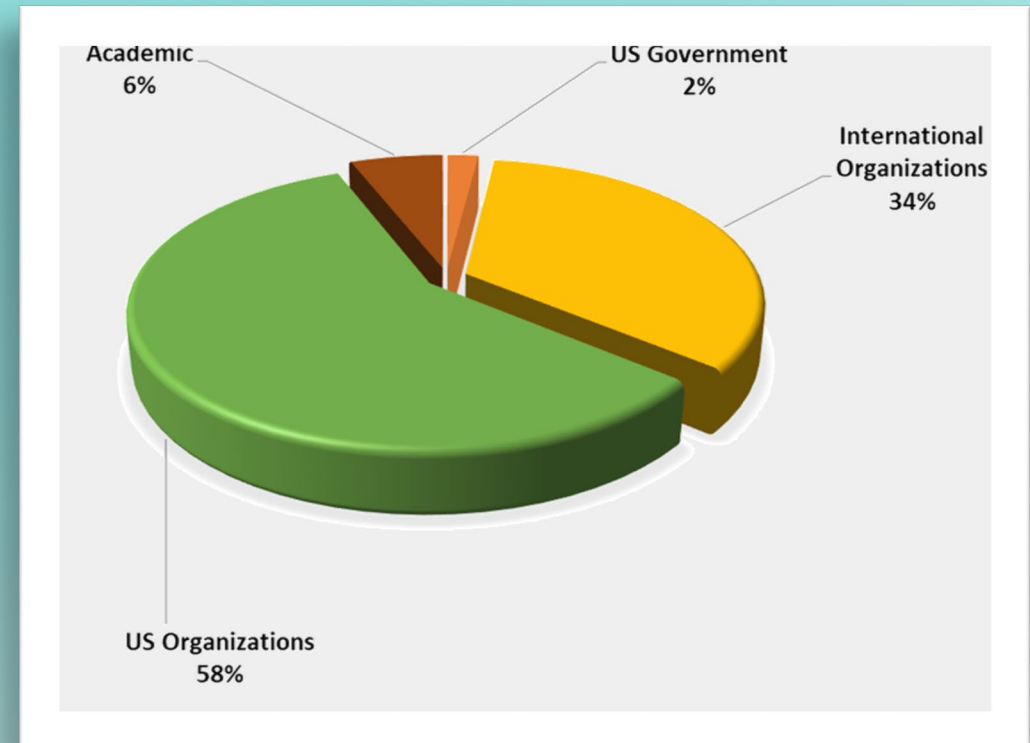
Terry McVenes, President & CEO
RTCA, Inc.
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RTCA as a Non-profit Association

- ❖ Academia
- ❖ Airports
- ❖ Aviation service providers
- ❖ Government organizations
 - ❖ FAA, DOD, TSA, NASA
- ❖ Manufacturers (OEMs and after-market)
- ❖ Operators
 - ❖ Airlines, GA, Cargo, DOD, Drone/UAS
- ❖ Suppliers
 - ❖ Automation, Infrastructure, Avionics
- ❖ Labor
 - ❖ Pilots, Controllers, Dispatchers
- ❖ R&D organizations

580+ Members





RTCA Operations

- Independent Standards Development Organization
- FAA is member of RTCA
 - Supports committees with *Government Authorized Representative*
- RTCA Professional Staff ensures committee proceedings follow guidelines
- Supports ICAO activities
- Close coordination and interaction with EUROCAE





RTCA Work Product

- Aviation Standards
- Standards Documents
- Training
- Annual Symposium





RTCA Relationships

Memorandum of Understanding



Official Observer on RPAS Panel
Official Observer on Surv Panel
Core 4 Member of SRT

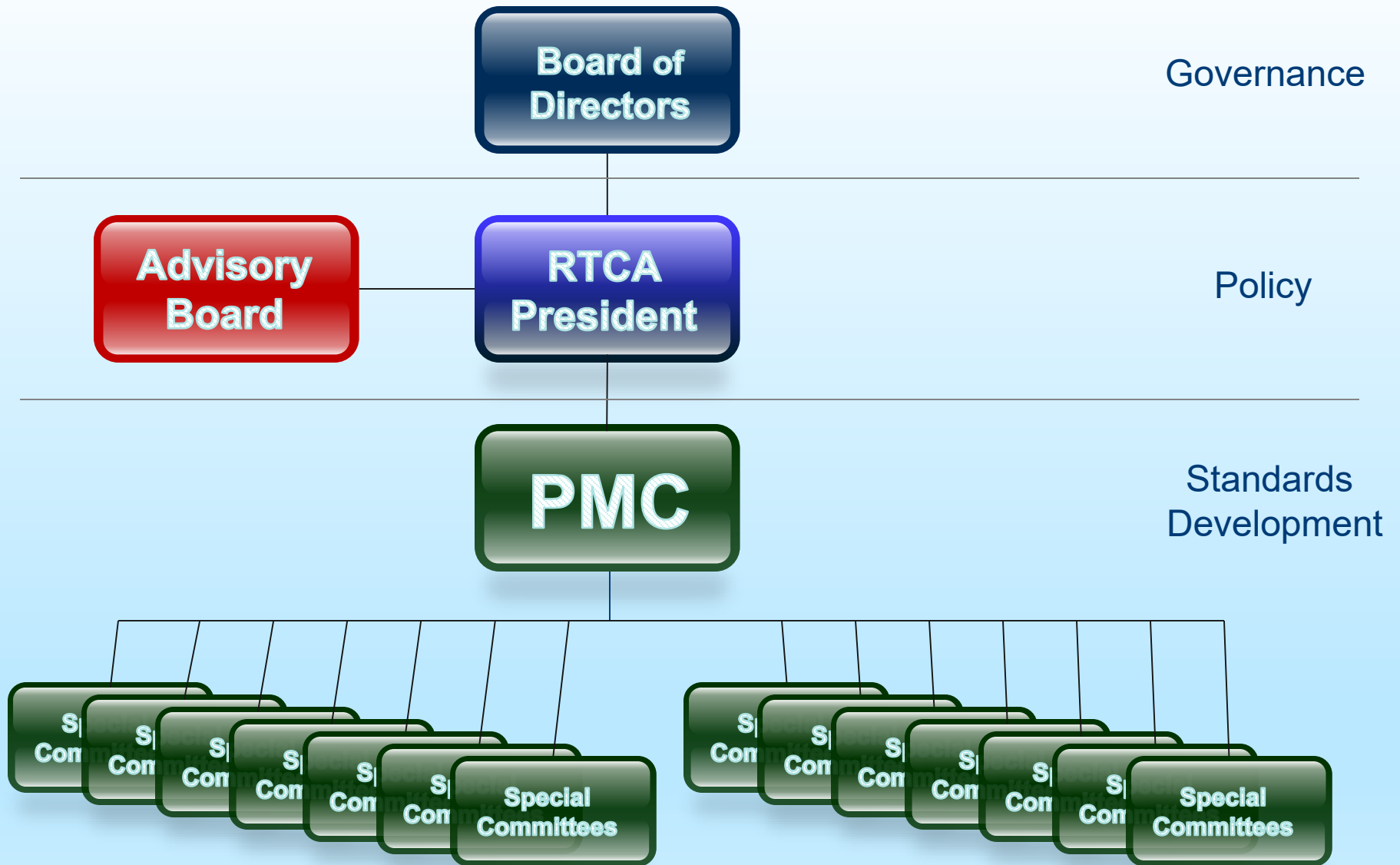


Memorandum of Cooperation
Joint Committees
Technically Equivalent Documents





RTCA Organization





RTCA Committees

- RTCA Committees produce Minimum Performance Standards (MOPS and MASPS)
 - Used as a basis for design approval, safety & performance, and ultimately aircraft certification
- Program Management Committee (PMC) oversees >20 Special Committees (SCs)
 - Forum for Aeronautical Software

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|--|---|
| ● SC-135 - Environmental Testing | ● SC-225 - Rechargeable Lithium Batteries & Battery Systems |
| ● SC-147 - Traffic Alert & Collision Avoidance System | ● SC-227 - Standards of Navigation Performance |
| ● SC-159 - Global Positioning System | ● SC-228 - MOPS for Unmanned Aircraft Systems |
| ● SC-186 - Automatic Dependent Surveillance-Broadcast | ● SC-229 - 406 MHz Emergency Locator Transmitters (ELTs) |
| ● SC-206 - AIS and MET DataLink Services | ● SC-230 - Airborne Weather Detection Systems |
| ● SC-209 - ATCRBS & Mode S Transponders | ● SC-231 - Terrain Awareness Warning Systems (TAWS) |
| ● SC-213 - Enhanced Flight Vision Systems and Synthetic Vision Systems | ● SC-233 - Addressing Human Factors/Pilot Interface Issues for Avionics |
| ● SC-214 - Standards for Air Traffic Data Communication Services | ● SC-234 - Portable Electronic Devices |
| ● SC-216 - Aeronautical Systems Security | ● SC-235 - Non-Rechargeable Lithium Batteries |
| ● SC-217 - Aeronautical Databases | ● SC-236 - Standards for Wireless Avionics Intra-Communication System (WAIC) within 4200-4400 MHz |
| ● SC-222 - AMS(R)S | |
| ● SC-223 - Aeronautical Mobile Airport Communication System | |
| ● SC-224 - Airport Security Access Control Systems | |

* Committees in **RED** are Joint with EUROCAE, **GREY** are SUNSET, **GREEN** are due to SUNSET, **BLUE** exploring joint



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Thank you