

RTCA SC-225: Small and Medium Sized Rechargeable Lithium Batteries and Battery Systems

International Aircraft Systems Fire
Protection Working Group
Cologne, Germany
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Federal Aviation
Administration



Background

- **Standards for large rechargeable lithium batteries exist in current RTCA documents (DO-311).**
- **Standards for small to medium sized rechargeable lithium batteries that are permanently installed on aircraft do not exist.**
- **RTCA SC-225 was formed to develop these minimum operational performance standards.**



Background

- **Members of SC-225 include representatives from:**
 - Battery and cell manufacturers
 - Avionics manufacturers
 - Aircraft operators
 - Pilot and flight attendant associations
 - Regulatory and other government agencies
 - Other related industry associations



Background

- **Group has been meeting regularly since March, 2011**
- **POCs:**
 - Chairperson: Richard Nguyen (Boeing)
 - Secretary: Stephen Diehl (Boeing)
 - DFO: Norm Pereira (FAA)



Status

- **Draft document has been submitted for review and comment (FRAC) and the committee has started to review all submitted comments.**
- **Once FRAC is completed, document will go to the Program Management Committee (PMC) for review and approval**

