



THE GOLD STANDARD FOR AVIATION SINCE 1935

RTCA SC-206
Aeronautical Information and Meteorological
Data Link Services

Status – October 28, 2015
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SC-206 Designated Federal Officer



RTCA SC-206 Leadership

- **Co-Chairs:**

- Allan Hart (Honeywell)
- Rocky Stone (United Airlines)

- **Secretary:**

- Tom Evans (NASA)

- **Designated Federal Official:**

- Eldridge Frazier (ANG-C61 Aviation Research Branch)

- **RTCA Program Director:**

- Karan Hofmann

- **Sub-groups:**

- SG-1/6 (Uplink, Downlink, and Crosslink MASPS) Bill Carson (MITRE) & Steve Darr (Dynamic Aerospace, Inc.)
- SG-7 (Guidance for Data Linking Forecast & Real-Time Wind Info) Ernie Dash (AvMet) & Michael McPartland (MIT/LL)
- SG-4 (EDR MOPS) Tammy Farrar (ANG-C64) & Bill Watts (Delta Airlines)



Subgroup 1/6

- Develop MASPS for AIS and MET Data Link Services
 - Define system requirements that increase flight safety & efficiency through the transmission of meteorological & aircraft parameters to enable wake vortex, ATM, & weather applications as described in RTCA DO-339
 - Define system requirements (required parameters, coverage, rates, and resolutions) for downlink of aircraft derived data to support various ground based wake vortex, ATM, and weather applications, such as enhancements to Wake Turbulence Mitigation systems
 - Define system requirements for crosslink of aircraft-derived meteorological data supporting wake vortex, ATM, and weather applications, such as those required for Flight deck-based Interval Management
 - Define system requirements that increase flight safety and efficiency through the uplink of:
 - AIS information
 - MET information (e.g. turbulence information)



Subgroup 4

- Develop Eddy Dissipated Rate Minimum Operations Performance Standard
 - Define requirements as necessary for input parameters and computational methodologies to facilitate the calculation of EDR by various algorithms such that the outputs are operationally comparable.



Subgroup 7

- Develop Guidance for Uplink of Wind Information
 - Provide guidance for the methodology of reporting and recommended quality of wind information necessary to support operations such as Interval Management, 4D Trajectory Base Operations, wake vortex mitigations, etc.



Current SC-206 Roadmap

TOR Deliverables' Schedule	2015			2016												2017															
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec				
Meeting Place >			DC	Atlanta				Ottawa				DC			DC			?			?			DC							
AIS/MET DL Services MASPS (SG1/6)	Fapp			Fres				PMC																							
(Possible schedule revision)								Fapp			Fres			PMC																	
Guidance for DL Wind Information (SG7)				Fapp				Fres			PMC																				
(Possible schedule revision)											Fapp			Fres			PMC														
MOPS for EDR (SG4)										Fapp			Fres			PMC															
(Possible schedule revision)																			Fapp			Fres			PMC						

Fapp = Approve to release for FRAC

Fres = FRAC resolution (must meet at the RTCA facility in DC)

PMC = PMC approval of Document



RTCA SC-206 Meeting Schedule

- 4 Plenary meetings in 2016
- Monthly SC-206 Leadership telecons
- Bi-weekly Subgroup telecons
- Future Plenary Meetings
 - Dec 7-11, 2015 – Washington, DC (RTCA)
 - Mar 7-11, 2016 – Atlanta, GA (Delta Airlines)
 - June 13-17, 2016 – Ottawa, Ontario, Canada
 - Sept 19-23, 2016 – Washington, DC (RTCA)
 - Dec 2016 – Washington, DC (RTCA)



RTCA Point of Contact

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