

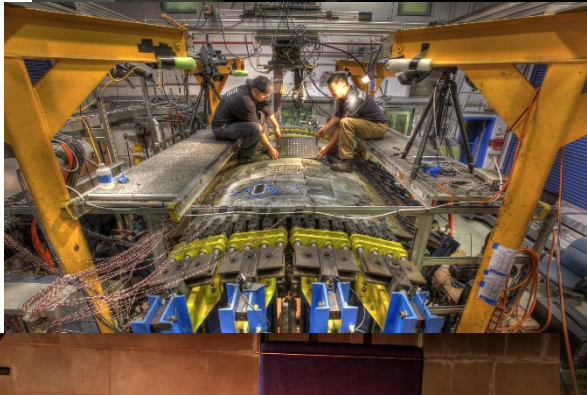
# Research, Engineering, and Development Advisory Committee (REDAC) Meeting

Subcommittee on Aviation Safety  
February 25-26, 2020

Mike Paglione  
DFO – Designated Federal Official (Acting)  
Aviation Research Division, ANG-E2



# WELCOME!!



- Housekeeping
- Purpose
- Agenda
- Roles & Responsibilities
- Strategic Focus

# Subcommittee on Aviation Safety

## House Keeping



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# Subcommittee on Aviation Safety Purpose



- ➔ Objective: Provide advice to the Administrator through the REDAC regarding needs, objectives, plans, approaches, content, and accomplishments for the FAA research program.
- ➔ Goal: Help the FAA establish the best possible Safety R, E, & D program within the constraints of FAA's available resources.

# Subcommittee on Aviation Safety

## Agenda



**Location:** RTCA Office, 1150 18th Street NW, Suite 910, Washington, DC 20036

**GoToMeeting:** <https://global.gotomeeting.com/join/842742365>

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# Agenda 1 of 2

## Subcommittee on Aviation Safety

### February 25 (Tuesday)

0730 0800	Arrival	RTCA Office
0800 0815	Opening Remarks	Shelley Yak
0815 0830	Opening remarks/Purpose of the Meeting	Mike Paglione
0830 0900	SAS Chair Opening & Report on REDAC Meeting	Terry McVenes
0900 0930	R&D Landscapes initiative	Steve Summer
0930 1000	FAA Budget Update	Beth Delarosby
1000 1015	Comfort Break	
1015 1045	Update on FY2022 research portfolio/revised process	Mark Orr
1045 1115	Update on funding of new & emerging safety risks (FY19 F&R #1)	Eric Neiderman
1115 1145	Update on incorporating Landscapes into R&D process (FY19 F&R #2) – progress briefing on gap analysis	Eric Neiderman/Mark Orr
1145 1300	Lunch	
1300 1330	Update on UAS Integration Research (Current & Planned)	Paul Strande, AUS-300/Nick Lento, ANG-C2
1330 1400	Complex digital systems in UAS R&D portfolio (FY19 F&R #3)	Wes Ryan, AIR
1400 1415	Comfort Break	
1415 1500	Seat Pitch Study update	Stacey Zinke
1500 1545	Briefing on the Automation Strategy	Wes Ryan
1545 1630	Cyber Safety CAT Status Update	Isidore Venetos
1630 1700	First Day Review – Homework Assignments	
1800 Group Dinner	Location: Daily Grill Restaurant, Wash. DC	



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# Agenda 2 of 2

## Subcommittee on Aviation Safety

### February 26 (Wednesday)

0730	0800	Arrival	RTCA Office
0800	0830	Review of homework from first day	All
0830	0945	FY2022 Aircraft Safety Assurance Portfolio (Fire Research and Safety, Propulsion and Fuel Systems, Advanced Materials/Structural Safety, Continued Airworthiness – Systems, Continued Airworthiness – Structures, Aircraft Catastrophic Failure Prevention Research, and Terminal Area Safety)	Mark Orr/Mike Paglione
0945	1000	FY2022 Digital Systems & Technologies Portfolio (Digital System Safety and Aircraft Systems Information Security Protection)	Mark Orr/Mike Paglione
1000	1015	Comfort Break	
1015	1025	FY2022 Environment & Weather Impact Mitigation Portfolio (Aircraft Icing)	Mark Orr/Mike Paglione
1025	1040	FY2022 Human Performance & Aeromedical Factors Portfolio (Flight Deck/Maintenance/System Integration Human Factors and Aeromedical Research)	Mark Orr/Mike Paglione
1040	1130	FY2022 Aviation Performance & Planning Portfolio (System Safety Management and Unmanned Aircraft Systems Research)	Mark Orr/Mike Paglione
1130	1200	Fatigue Management Working Group briefing	Katrina Avers
1200	1230	SAS F&R discussions and feedback/Closing remarks	Terry McVenes/Mike Paglione/Mark Orr
1230		Adjourn	



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# Designated Federal Official (DFO) Responsibilities

- Approve all of the Advisory Committee's meetings.
- Prepare and approve all meeting agendas.
- Attend all committee meetings, and
- Adjourn any meeting that he/she determines is in the best interest of the public to do so.

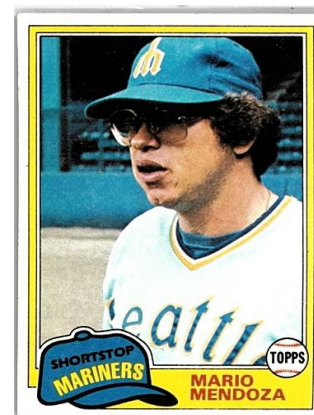
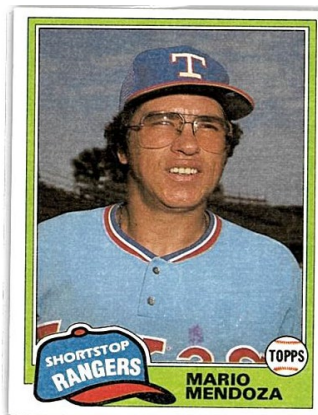


# REDAC Subcommittee on Aviation Safety Meeting Goals

- ✓ Winter/Spring: To review the proposed FY22 portfolio to provide feedback, advice, and recommendations during the FAA portfolio review.
- Summer/Fall: To review the FY23 proposed portfolio to provide strategic guidance to the FAA for use during the preparation of the portfolio.



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# Strategic Questions



- **Are we positioned to ensure safety given the anticipated innovations?**
- **Are we keeping pace with changes in technology and the industry?**
- **How can research effectively support certification and economic vitality?**
- **Are we pursuing integrated, holistic solutions?**



# THANK YOU!

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