Spring 2021 Acoustics Technical Working Group VIRTUAL Meeting, April 13-14, 2021

Agenda	Start	Length	Presenter(s)
Tuesday, April 13			
Welcome	**8:45:00 AM ET (GMT-4)**	00:15	Allen Kilgore, Director, NASA Langley Research Directorate
FAA Neighborhood Environmental Survey Results	9:05 AM	00:30	Jim Hileman, FAA
Overview of the Quiet High-Lift CRM Test	9:35 AM	00:25	Dave Lockard, NASA
14x22 Background Noise Reduction	10:00 AM	00:10	Florence Hutcheson, NASA
Aero-performance Results from a 24" Fan Test in the 9x15 Low Speed Wind Tunnel	10:10 AM	00:15	John Gazzaniga, NASA
Break	10:25 AM	00:20	
Active Liner NRA Closeout	10:45 AM	00:40	Jordan Kreitzman, Chelsea Dodge, Boeing, FSU
Recent Activities in the Liner Physics Team	11:25 AM	00:20	Mike Jones, NASA
Bio-inspired Acoustic Absorber Publications	11:45 AM	00:15	Danielle Koch, NASA
Configurable Microphone Array	12:00 PM	00:30	Student Design Team, Virginia Tech
Lunch Break and Virtual Demonstration	12:30 PM	01:00	
Commercial Supersonic Technology (CST) Overview	1:30 PM	00:30	Lori Ozoroski, NASA
CST Prediction Uncertainty Reduction Tech Challenge	2:00 PM	00:20	James Bridges, NASA
GE Inlet+Fan Design for Supersonic Engine LTO Noise Assessment	2:20 PM	00:25	Chris Miller, NASA
Break	2:45 PM	00:15	
CST Inlet Treatment Modeling	3:00 PM	00:15	Aikaterini Stylianides, NASA
Status of Learjet Flight Test and Jet Noise Modeling	3:15 PM	00:25	Brenda Henderson, NASA
WMLES Simulations for Predicting Jet Acoustics	3:40 PM	00:20	Daniel Stich and Cetin Kiris, NASA
Adjourn	4:00 PM		
Wednesday, April 14			
Welcome	9:00 AM	00:05	
Aeroacoustics at Raytheon Technologies	9:05 AM	00:30	Jeff Mendoza, Raytheon Technologies
Acoustic Signature Measurements and Modeling of sUAS vehicles	9:35 AM	00:25	James Stephenson, U.S. Army
Initial testing of 10” ducted propeller in hover	10:00 AM	00:15	Noah Schiller, Niki Pettingill, NASA
Break	10:15 AM	00:15	
Inflow Studies of Propeller-Wing Configurations	10:30 AM	00:20	Andrew Lind, Josh Blake, NASA
Plan and Progress on Experimental Validation of Computational Small Rotor Design Optimization Tools	10:50 AM	00:25	Len Lopes, NASA
Design of a Low-Noise Propeller with Low-Order Tools and Gradient-Based Optimization	11:15 AM	00:25	Daniel Ingraham, NASA
Capabilities and Preliminary Checkout of a New Propeller Test Stand	11:40 AM	00:20	Nik Zawodny, NASA
Lunch Break and Virtual Collaboration	12:00 PM	01:00	
Urban Air Mobility Noise Research at UC Davis	1:00 PM	00:30	Seongkyu Lee, U.C. Davis
Characterization of Blade Wake Interaction Noise for an Ideally Twisted Rotor	1:30 PM	00:15	Chris Thurman, NASA
Progress Toward an Electric Motor-Noise Model - Experimental Efforts for Large and Small Scales	1:45 PM	00:25	Jordan Cluts, NASA
Break	2:10 PM	00:15	
Creating a NAF plugin for Urban Area Sound Propagation	2:25 PM	00:15	Kevin Nelson, GLSV
Perceptual Attributes of eVTOL Noise, Noticeability, and Blend with Reference to the Ambient	2:40 PM	00:20	Durand Begault, NASA
NASA Auralization Framework Version 1.2 Release	3:00 PM	00:20	Aric Aumann and Brian Tuttle, NASA
Use of rules of particular applicability in noise certification of innovative aircraft designs	3:20 PM	00:25	Bill He, FAA
Adjourn	3:45 PM		