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DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
AERONAUTICS AND SPACE ENGINEERING BOARD

Aeronautics Research and Technology Roundtable
NASA Autonomy Research
August 2, 2016
NAS Keck Building Room 100
500 Fifth Street, NW, Washington, DC 20001

PRELIMINARY AGENDA

Tuesday, August 2, 2016

OPEN SESSION

8:00 am	<i>Room opens (breakfast available in the room)</i>	
9:00 am	Meeting convenes; Welcome and introductions	Dwayne Day Roundtable members
9:15 am	Opening remarks - Key drivers for autonomy research - Meeting purpose - Motivate topics for discussion	Jaiwon Shin John Tracy, Chair John-Paul Clarke
9:45 am	NRC and NASA roadmap perspectives: - NRC Autonomy Study barriers - NASA Roadmap Introduction - Vision for the future of civil aviation - Autonomy research challenges	John-Paul Clarke Mark Ballin
10:30 am	Discussion (facilitated by John Tracy and J-P Clarke)	Roundtable members
	- What are the most compelling reasons for NASA ARMD to invest in autonomy research?	
	- How well did NASA address NRC barriers?	
	- Are there other important areas that should be included?	
11:15 am	<i>Break (15 minutes)</i>	
11:30 am	Selected ongoing ARMD autonomy research activities	Parimal Kopardekar
12:00 pm	<i>Working lunch; discussion continues</i>	
12:30 pm	Discussion (facilitated by John Tracy and J-P Clarke)	Roundtable members

	<ul style="list-style-type: none"> - How well do these activities address NRC autonomy barriers? - Recommendations for new activities that address other needed autonomy research areas 	
1:00 pm	NASA roadmap advancement strategies	Mark Ballin
1:15 pm	Discussion (facilitated by John Tracy and J-P Clarke)	Roundtable members
	<ul style="list-style-type: none"> - How will these strategies support NASA autonomy objectives 	
1:45 pm	NASA roadmap candidate mission products, community feedback process, and feedback to date	Mark Ballin
2:30 pm	Discussion (facilitated by John Tracy and J-P Clarke)	Roundtable members
	<ul style="list-style-type: none"> - Which mission products do members consider to best address NRC autonomy study barriers? - What are the suggested priorities? 	
3:15 pm	<i>Break (15 minutes)</i>	
3:30 pm	Current NASA activities in autonomy; programmatic approach and status	Doug Rohn Richard Barhydt
3:45 pm	Discussion (facilitated by John Tracy and J-P Clarke)	Roundtable members
	<ul style="list-style-type: none"> - Q&A and recommendations 	
4:15 pm	Roundtable Member Comments - Closing remarks	John Tracy John-Paul Clarke Roundtable Members
5:00 pm	<i>Meeting adjourns for the day</i>	

Last updated: July 28, 5:45 PM

Aeronautics Research and Technology Roundtable Statement of Task

The Aeronautics Research and Technology Roundtable (ARTR) convenes senior-most representatives from industry, universities and NASA to define and explore critical issues related to NASA's aeronautics research agenda that are of shared interest; to frame systems-level research issues; and to explore options for public-private partnerships that could support rapid, high-confidence knowledge transfer. This forum will be designed to facilitate candid dialogue among participants, to foster greater partnership among the NASA-related aeronautics community, and, where appropriate, carry awareness of consequences to the wider public.

The following information is provided for any members of the general public who may be in attendance:

This meeting is being held to facilitate dialogue among the participants. This roundtable will examine the information and material obtained during this, and other meetings, in an effort to

inform its work. Although opinions may be stated and lively discussion may ensue, no conclusions are being drawn at this time and no recommendations will be made by the roundtable. Therefore, observers should draw conclusions about the roundtable's work based on today's discussions.

Furthermore, individual roundtable members often engage in discussion and questioning for the specific purpose of probing an issue and sharpening an argument. The comments of any given member may not necessarily reflect the position he or she may actually hold on the subject under discussion.