

FEDERAL AVIATION ADMINISTRATION
REDAC Subcommittee on Aircraft Safety (SAS)
William J. Hughes Technical Center
 March 24-25
 Director's Conference Room
Dial in Access: (609) 916-1975, passcode 257511

Tuesday, March 24, 2015

8:30 – 8:50	Welcome/Opening comments <ul style="list-style-type: none"> • Introductions (all) • Opening remarks/comments (Chair & DFO) 	Kenneth Hylander (Chair) Eric Neiderman (SAS DFO)
8:50 – 9:00	Welcome	Dennis Filler (REDAC DFO & WJHTC Director)
9:00 – 9:15	Budget Update	Mike Gallivan
9:15 – 9:45	Strategic Input from Fall 2014	Kenneth Hylander
9:45 – 10:15	Budget Line Item (BLI) Mapping	Eric Neiderman
10:15 – 10:30	Break	
10:30 – 11:15	Improving Aviation Safety FY17 Budget Line Item (BLI) Portfolio	Mark Orr
11:15 – 12:15	Review of FY17 Quad Charts – Session 1 See Page 2 for Review Topics	All
12:15 – 1:15	Lunch	Cafeteria
1:15 – 2:15	Review of FY17 Quad Charts – Session 2 See Page 3 for Review Topics	All
2:15 – 3:15	NextGen Integration and Evaluation Capability (NIEC) & Network Operations Center Tour	Hilda DiMeo
3:15 – 3:30	Break	
3:30 – 4:30	Fatigue Structures & Materials	Mike Gorelik
4:30 – 5:30	Discussion/Summary/Homework/Actions	Kenneth Hylander/ Eric Neiderman
6:30	Group Dinner: <i>Touch of Italy</i> , 6629 Black Horse Pike, Egg Harbor Township, NJ 08234	(609) 646-1855

Review of FY17 Quad Charts – Session 1

Time	SAS Member Comment	Who is Needed?	What to Present
11:15-12:15	KH: <i>System Safety Management (A11G.HF.10, A11H.SSM.9, A11H.SSM.11, A11H.SSM.13) - Large budget driver and strong (I think) connection to the Real Time System Safety SAS emerging issue. We should explore this further.</i>	A11.HF.10 Dr. Bill Johnson (CSTA) Dr. Don Arendt (Sponsor POC) A11H.SSM.9 Mark Liptak (Sponsor POC) Cliff Johnson (Research Provider) A11H.SSM.11 & A11H.SSM.13 Dr. Julia Pounds (Sponsor POC) Vasu Kolli and Huasheng Li (Research Providers) Dan Brock Danko Kramar Frank Wondolowski (RED Group Members)	Discuss research Discuss connection to emerging issue
	KH: <i>Rotorcraft FDM Data Gathering and Analysis for ASIAs (A11H.SSM.9) - not sure I understand how this is research related. I have no debate that this work should be done but don't we know how to do this already through the many FDM and ASIAs efforts in place in industry? Seems more like an operating budget requirement vs. research requirement unless I am missing something.</i>	Mark Liptak (Sponsor POC) Cliff Johnson (Research Provider) Danko Kramar (RED Group Member)	Discuss research vs. ops
	KH: <i>Onboard Network Systems (A11D.SDS.1, A11D.SDS.4) - Seems to fit nicely with the SAS emerging issue of "Dependability of Increasingly Complex Systems" item.</i>	Barbara Lingberg (Sponsor POC) Alanna Randazzo (Research Provider) Michelle Yeh (RED Group Member)	Discuss alignment to emerging issue.
	KH: <i>Fire Safety - Large budget driver and NOT something that we identified as a SAS priority or emerging issue. Did we miss something last Fall?</i>	A11A.FCS.1 Steve Edgar (Sponsor POC) Gus Sarkos (Research Provider) Michelle Yeh (RED Group Member)	Show tasking and their alignment to emerging issues
	DS/Boeing: <i>the only question we have ahead of the actual meeting is in reference to the Flutter Suppression R&D. We would like to know where this subject stands in FAA priorities, and what particular research is planned to be accomplished in the next three years.</i>	Ian Won (Sponsor POC) David Westlund (Research Provider) Michelle Yeh (Red Group Member)	Tasking and timeline

Review of FY17 Quad Charts – Session 2

1:15-2:15	<p><i>KH: Advanced Materials and Structural Safety – See my first comment about overlapping research and I'd like to understand the AVS Composite Plan that is referenced in many of the Quad charts.</i></p>	<p>Larry Ilcewicz/Rusty Jones (AVS Composites Plan)</p> <p>A11E.MI.1 /A11E.SIM.5 Ian Won (Sponsor POC) Curtis Davies (Research Provider)</p> <p>Dan Brock Michelle Yeh (RED Group Members)</p>	<p>Composites plan one pager</p> <p>Discuss research overlap-industry</p>
	<p><i>CK: There seems to be areas of overlap that could be explored to accelerate and / or streamline research. The mapping above might help identify these areas of overlap. For example:</i></p> <ul style="list-style-type: none"> ○ <i>Vision systems for helicopters A11H.TAS.5 versus Advanced Vision Systems A11G.HF.4</i> ○ <i>Mitigating Ice Crystal Threat A11K.WX.3 versus Research on Ice Crystal and SLDA11D.AI.1</i> 	<p>A11H.TAS.5 Mike Webb (Sponsor POC) Cliff Johnson and Dr. Andrew Cheng (Research Providers)</p> <p>A11G.HF.4 Terry King (Sponsor POC)</p> <p>A11K.WX.3 & A11D.AI.1 John Fisher (Sponsor POC)</p> <p>Dan Brock Michelle Yeh (RED Group Members)</p>	<p>Discuss research, point out differences</p>

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Wednesday, March 25, 2015

8:30 – 9:00	Review of Homework Assignments from Previous Day – Findings and Recommendations Discussions	All
9:00 – 9:15	Opening Remarks – FAA Aircraft Safety R&D Action Items & Recommendations	Eric Neiderman
9:15 – 9:45	COE Overview	Pat Watts
9:45 – 10:00	Break	All
10:00 – 11:30	UAS R&D Portfolio	Claude Jones Sabrina Saunders-Hodge
11:30 – 12:30	Lunch	Cafeteria
12:30 – 1:30	Unleaded AvGas (NextGen BLI)	Dave Atwood
1:30 – 1:45	Travel to Building 292 for Tour	
1:45 – 2:45	Unleaded AvGas Tour	Dave Atwood
2:45 – 3:00	Break	
3:00 – 4:00	High Performance Computing, Big Data, ASIAS	Charles (Cliff) Johnson
4:00 – 5:00	Wrap up	All
	SAS Fall Actions & Recommendation Review	Kenneth Hylander/ Eric Neiderman
	SAS Feedback/Future Planning	Kenneth Hylander

SAS Spring 2015

Tuesday & Wednesday

8:00 am | Eastern Daylight Time

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