Data Expert Group - Workshop 2023 - Q1

Day 1

15 February - 5 am - 9 am PT / 1400 - 1800 CET

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Agenda

Time (minutes)	Item	Session Leaders/Presenters	Notes
30	Introductions	Paul Boyes, Erik Jaegervall, Adnan Bekan, Stephen Lawrence	Theme: What problem are we trying to solve? What are we producing in what time frame?

60	Data Centric Architecture Overview and Group Alignment
	
	• Motivations/goals
	• Key questions to be answered
	• Data domains
	• Data characterization
		Erik Jaegervall, Adnan Bekan, Stephen Lawrence	Compare interface types
			
			• type of data
			• levels
			• pros/cons
			• environmental constraints (e.g. compute power)
			• Consider existing/previous work
			  ○ Existing protocols exposing VSS?
			  ○ Vehicle Information Service Specification
			
			Presentation Material:
			
			• Data Centric Architectures (Deck)
			• Perspectives Data Centric Architectures (Miro)

60	Choose Specific Touch Points/ Scenarios to Drill Into For example: • Head Unit to Android in-vehicle hosted OS • Zone ECU to Head Unit • ECU to Edge compute device in vehicle • Zone ECU to TCU Collaboration Session (Miro Board)	Erik Jaegervall, Adnan Bekan, Stephen Lawrence	Common ways of describing and exposing/exchanging data Agree on specific examples to drill into
60	Drill Into Specific Context/Interface/Arch Collaboration Session (Miro Board) -	Erik Jaegervall, Adnan Bekan, Stephen Lawrence	
30	Wrap-Up and Next Steps	Paul Boyes, Erik Jaegervall, Adnan Bekan, Stephen Lawrence	Concrete action items for next day

Day 2

16 February - 5 am - 9 am PT / 1400 - 1800 CET

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Time (minutes)	Item	Session Leaders/Presenters	Notes
30	Review Previous Day Questions/Discussion	Paul Boyes, Erik Jaegervall, Adnan Bekan, Stephen Lawrence	
150	Drill Into Specific Context/Interface/Arch - Continued	Erik Jaegervall, Adnan Bekan, Stephen Lawrence	

60	Roadmap • Specific Work Product Identified • Work Product Completion On Timeline (as possible)	Erik Jaegervall, Adnan Bekan, Stephen Lawrence	Let's do our best to identify work product over time using AMMs and CES as milestones
30	Wrap-Up and Next Steps • Action Items • AMM - Workshop	Paul Boyes, Erik Jaegervall, Adnan Bekan, Stephen Lawrence	

Proposed Agenda Ideas

Below is a working table to collect proposal idea. The actual agenda is above.

Topic	Why	Proposed By	Priority
Target roadmap for 2023 • Milestones for Spring AMM • Milestones for Fall AMM • Milestones for CES	Where do we wish to take the Data Expert Group and when? We should have basic agreed upon direction for launching and maturing projects and initiatives with-in the 4 pillars of the Data Expert Group. We should use the AMMs and CES as the bounding milestone events/dates.	Paul Boyes	
Data Security and Privacy Best Practice	This has been called out as one of the Best Practice pillars topics. What would be useful to the community here? A white paper? Aggregation of existing practices? Regulation overview?	Paul Boyes	
VSS How To and/or Implementation guides	How do users implement VSS in-vehicle, out of vehicle, from vehicle to out of vehicle? How do they facilitate interoperability? How do you know and validate that your implementation will allow you to easily share data, integrate, interoperate with others?	Paul Boyes	
How does VSS relate to other models/the world?	VSS as a common way of describing vehicle data is useful and a good start. It becomes very powerful when used to relate vehicles to other models? In other words, how does VSS related to EV charging, Points of Interest, road infrastructure, ...	Paul Boyes	
Complex Types			

Data Architecture Pillar	Two themes:
	
	 • The general data centric data architecture pattern
	   ◦ Motivations/goals
	   ◦ Key questions to be answered
	   ◦ Data domains
	   ◦ Data characterisation
	 • More descriptive/prescriptive orientations of the pattern for specific use cases or touchpoints
	   ◦ e.g. Android touch-point:
	     ■ Methods of signal abstraction via VHAL or VSS Data Server
	     ■ App connection via cloud and in-vehicle
		Adnan Bekan
		
		 (seconded by Stephen Lawrence)	

AMM Planning	What to present/discuss, who shall do it, .. • Possibly: the "Ulf evolution multiple tree proposal"	Ulf Bjorkengren	
VSS general roadmap	What needs attention?		
How to get attractive documentation/guides	How can we achieve a nice "goto site" for all VSS questions "Describe/identify a few scenarios; xxx, yyyy, zzzz, ... "If you want to do xxxx, then the challenges are .... If you want inspiration you can look at this presentation..." An idea at: https://github.com/erikbosch/doc_test/blob/master/architecture_overview.md Possibly merge it with https://covesa.github.io/vehicle_signal_specification/	Erik Jaegervall	