Vehicle HAL F2F - 4-5 February 2020 - Organization

We proposed the Audio HAL project to consider having a F2F meeting possibly on a half-day on Day 2
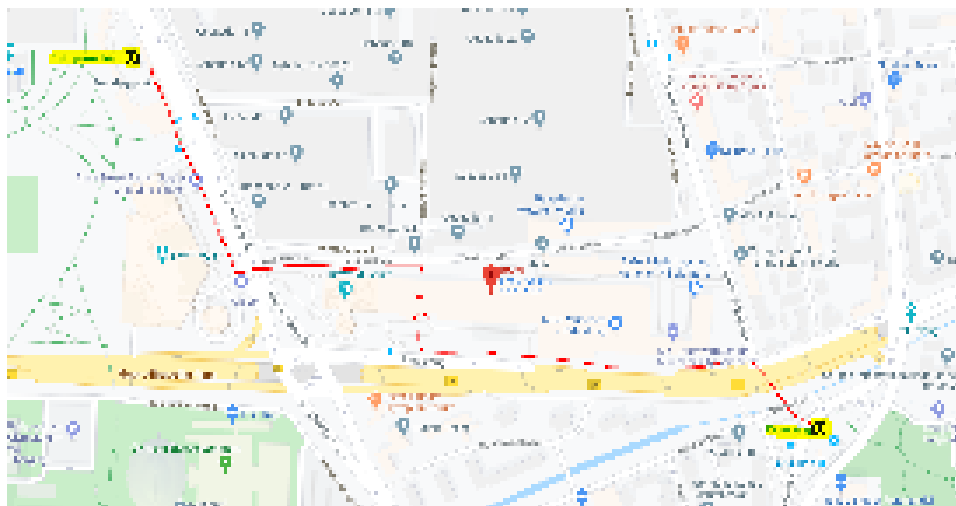
Date

From Tuesday the 4th of February to Wednesday 5th of February

Minutes 20200204-05-AASIG-F2F-meeting-minutes

Venue

BMW at Petuelring 130, 80809 Munich in Germany.

Contact Person

Unknown User (alexander.domin) : +4915160160632

Agenda

Time	Day 1
09.00	Welcome, logistics (e.g. IT) and agenda review
	Vehicle HAL Security design (owner) (duration)
09:30-10:00	Access control and permissions in Android (Stefan) (30mn) • Build connection VSS to Android permissions model • How to verify permissions

Time	
10:00-10:30	External service approach - how to use Adaptive AUTOSAR Identity & Access Management (IAM) (Alexander - TBC) (30mn) • = which authentication methods exist and could be used ? • Adaptive Autosar Identity and Access management has a general philosophy, defined names and concepts. It is a basis for discussion because it describes a *model* around interaction between entities (not details or protocols). • /TODO/ Alexander sync with Giovanni Vergine on Adaptive Autosar IAM prior to the F2F WIP
10:30-10:45	Break
10:45-11:30	VSS Layers (Gunnar) (45mn) • concept could be used to put signals into access control groups • how to map the concept to Android permissions (how it will be done on the Android side)

11:30-12:00	Users vs. permissions - presentation of the zone concept in Android 10 (Piotr) (30mn)
	
	• Different users could have different permissions
	   ○ For example audio zones... Some users should not be able to control the audio.
	   ○ But can this simply be built into the application rather ? is this only controlled based on the application identity ?

12:00-12:30	Security design backlog review & update
	
	• Vectors of attack
	   ○ as a recap following the discussion on solutions
	   ○ brainstorming on which attacks are targeted with the solutions discussed ?
	   ○ follow the attack tree modeling method ? (topic likely for a later stage / F2F)
	• recap on the morning outcome

12.30	Lunch, at BMW office
	Vehicle HAL Technical Proposals - further refinement (owner, duration)
13:30-14:15	Android internal service (Some signal-connecting library using VSS standard) (Stefan) (45mn) • VSS to standard Vehicle HAL - detailed design can be done right away. ○ Focus on: "Easiest way" to expose data to Android applications
14:15-15:00	External services - SOME/IP (Gunnar) (45mn) • how to use SOME/IP to communicate with Adaptive AUTOSAR and/or Classic AUTOSAR ?
15:00-15:15	Break
15:15-16:00	External services - VISS, REST/Web sockets (Gunnar - TBC) (45mn) • relevance of topic depends on OEM requirements • Gunnar can lead the discussion but needs inputs on whether REST/Web sockets are in scope) • /TODO/ Sachin, Alex, others provide inputs prior to the F2F
16:00-16:45	Compatibility Android and non-Android systems - common solutions (TBD) (45mn) • brainstorming needed prior to the F2F • /TODO/ Alexander sync with Giovanni Vergine and Piotr Krawczyk on FARACON project prior to the F2F WIP • Tool chains: VSS (or Franca) to Android IDLs translation ?

16:45-17:15	Technical proposals - Backlog review & update
	
	• Decision point: Which design to use (develop), or at least prioritize
	   ○ ....Decide how the application layer should be fueliing the connection - e.g. direct socket connection or bound through android service
	   ○ Once we have agreed on which design to follow , what parts are missing and need to be developed?
	• signal-to-service specification in AR 19-11
	• introduction to Android CDD (Sachin) (30mn TBC)
	• recap on the afternoon outcome

17:15	end of Day 1

Time	Day 2	Time	Day 2

08.30	Start			
08:30-9:00	Agenda bashing			
9:00-9:45	Common topic : introduction to the Automotive Virtualization Platform Specification (Gunnar, 45mn) • standard audio interfaces • other relevant standard interfaces			
9:45-10:15	Splitting break			
	Audio HAL			**Vehicle HAL**
10:15 -11:30	Work on highest priority topics of Audio HAL backlog - Source Management (Bartosz TBC) • Networked audio devices • Multi-source management: Multisource multisink ◦ stream types, audio zones handling, still limited to one sink ?, limited number of sources • Limited number of priorities (2), No priorities of phone call types.	10:30-12:15	Brainstorming • Decision point: Which design to use (develop), or at least prioritize • What parts are missing and need to be developed ?	
11:30-12:15	Work on highest priority topics of Audio HAL backlog - Common HAL (Piotr+1) • Controlling audio effects • Audio data transfer • Multiple audio channels • Equalization			
12.15-13:15	**Lunch**	**12.15-13:15**	**Lunch**	
13:15-14:00	Audio HAL - backlog review and update (All Audio HAL participants) (45mn) • recap on the morning outcome • discussion on additional extensions to Audio HAL that "would not change too many things" • discussion on the part of the Audio HAL that could common for all SoC vendors • review of the list of prioritarized topics	13:15-14:00	Vehicle HAL - backlog review and update (All Vehicle HAL participants) (45mn) • recap on the morning outcome • backlog update	
14:00	End of Audio HAL split meeting	14.00-14:15	Merging Break	
		14.15-15:30	Vehicle HAL topics (TBD)	
		15:30-16:00	Wrap-up	
		16:00	End of Day 2	

Planned Attendees

Name	Attending	VHAL	AUDIO	Arrival day; flight no and time	Departure day; flight no and time	Hotel	Notes	Car Parking?
		11	7					
Gunnar Andersson	F2F	YES	YES					
Unknown User (gururaja.n)	F2F	YES	YES				Vegetarian Food	
Unknown User (alexander.domin)	F2F	YES						
Unknown User (wassim.filali)	F2F		YES					
Stefan Wysocki	F2F	YES		LO353 3 Feb 2020 18:55	LO354 5 Feb 2020 19:45	Arthotel ANA Olympiapark		no
Unknown User (bartoszbialek)	F2F		YES	LO353 3 Feb 2020 18:55	LO354 5 Feb 2020 19:45	Arthotel ANA Olympiapark		no

Piotr Krawczyk	F2F	YES		LO353 3 Feb 2020 18:55	LO354 5 Feb 2020 19:45	Arthotel ANA Olympiapark			no
Unknown User (johan.strand)	telco	YES							
Sachin Athanikar	F2F	YES	YES						
Stephen Lawrence	telco	YES					If you need to discuss h/w feel free to contact me to phone in. Meanwhile I spend the time improving the Genivi LAVA automated test system		
Unknown User (niskandar)+ 1	F2F	YES	YES	by Car	by Car	TBD			yes please
Andrey Ershov (TBC)	telco	YES	YES				Andrey has a demo scheduled on 6 February and will likely be preempted totally by it		
Philippe Robin	F2F	YES	YES	Monday 3 February	Thursday 6 February				no
Unknown User (kevinval)	F2F	YES					Joining the first day		no

Transportation

- From Munich Airport:
  - Ticket to bay: **M-5** (11.50€ for a single)
  - Take the S-Bahn **S1** from the Airport (direction citi center).
  - Change to the U-Bahn **U3** in Moosach (direction Fürstenrid West).
  - Exit the U-Bahn on Petuelring or Olympiazenter.
- From Munich central railway station:
  - Ticket to bay: **M** (3.30€ for a single)
  - Take the U-Bahn **U2** from the Munich central railway station (direction Feldmoching)
  - Change to the U-Bahn **U3** in Scheidplatz (direction Moosach).
  - Exit the U-Bahn on Petuelring or Olympiazenter.
- By Car:

Accommodation / Hotels

City	Hotel name	Address	ZIP	Price 2020 (EUR)	Breakfast	Internet	Parking	Breakfast time	Breakfast-To-Go	Booking scode
Munich	**Arthotel ANA Olympiapark**	Helene-Mayer-Ring 12	80809	**90,00**	included	included	12,00 €	06:30-10:00	No	
Munich	**Super 8 Munich City North**	Frankfurter Ring 143	80607	**79,00**	included	included	15,00 €	06:30-10:00	No	
Munich	**Leonardo Hotel Munich City Olympiapark**	Dachauer Str. 199	80637	**90,00**	included	included	17,00 €	06:30-10:30	No	
Munich	**Harry's Home Hotel München**	Bunzlauer Platz 5	80992	**89,00**	included	included	15,00 €	07:00-10:00	No	Buchungscode M_C88LI
Munich	**Adagio access München City Olympiapark**	Am Oberwiesenfeld 20	80809	**87,00**	included	included	8,00 €	06:30-10:00	No	
Munich	**Park Inn Frankfurter Ring**	Frankfurter Ring 20-22	80807	**87,00**	included	included	18,00 €	06:30-10:00	Yes	
Munich	**Ibis Hotel München Nord**	Ungererstrasse 139	80805	**82,00**	included	included	11,00 €	06:00-10:00	No	
Munich	**Ruby Lilly Hotel Munich City Center**	Dachauer Str. 37	80335	**88,00**	included	included	17,00 €	06:30-10:30	No	LCOFIXBLX BMW
Munich	**Vienna House Easy Munich (ehem. arcona)**	Nymphenburger Str. 136	80626	**90,00**	included	included	18,00 €	06:30-10:30	Yes	
Munich	**Motel One Deutsches Museum**	Rablstraße 2	81669	**90,50**	included	included	12,00 €	06:00-10:00	Yes	
Munich	**Motel One München Olympia-Gate**	Petra-Kelly-Straße 4	80797	**80,50**	included	included	9,00 €	06:00-10:00	Yes	
Munich	**Rilano 24|7 Hotel München City**	Schillerstraße 17	80336	**95,00**	included	included	not available	06:30-10:30	No	
Munich	**Courtyard by Marriott City Center**	Schwanthalerstraße 37	80336	**99,00**	included	included	25,00 €	06:30-11:00	No	

Date Planning

Edit the table below to indicate your status with respect to the proposed dates for the F2F, entering one of the following:

Symbol	Meaning
	[empty] Not yet determined
YES	this day works fine for me
no	This day definitely does not work for me
??	This day could work, but I would prefer not to

If you would use case exactly as shown ("YES", "no") that would help for visually scanning the table.

There are a lot of people to try to schedule to suitable dates, so please be as generous as possible in specifying "YES" or "??"

Availability planning

Name	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	+	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	+	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7	Notes — please indicate F2F or telco (and write AUDIO if you are interested primarily in Audio HAL meeting)
Total YES												+						
Total no												+						
Gunnar Andersson	??	??	??	??	??		YES	YES	YES	YES	no	+	??	YES	YES	YES	YES	F2F, VHAL & Audio
Unknown User (alexander.domin)							YES	YES				+	YES	YES				F2F, VHAL (will add another colleague for audio)
Stefan Wysocki	YES	YES	YES	YES	??		??	YES	YES	YES	YES	+	YES	YES	YES	YES	YES	F2F
Johan	??	YES	YES	YES	??		??	YES	YES	YES	??	+	??	YES	YES	YES	??	Partly via Telco, VHAL
Pete												+						
Sachin												+	YES	YES				F2F, VHAL (AUDIO)
Piotr Krawczyk	YES	YES	YES	YES	YES		YES	YES	YES	YES	YES	+	YES	YES	YES	YES	YES	F2F, VHAL (exact person not decided)
Pontus												+						
Guru	YES	YES	YES	YES	YES		YES	YES	YES	YES	YES	+	YES	YES	YES	YES		F2F
Gerald												+						
Unknown User (patrick.carlisle)	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	+	NO	NO	NO	NO	NO	F2F. Audio/vehicle. Can't travel.
Stephen Lawrence				??	??							+	YES	YES	YES	YES	YES	Telco (need to check travel but would prefer to get domain expert from within company)
Unknown User (markku.tamski@tieto.com)	??	YES	YES	YES	??		??	YES	YES	YES	??	+	??	YES	YES	YES	??	F2F
Unknown User (niskandar) +1 (MOBIS Frankfurt office) (+1 is registering)	YES	YES	YES	YES	YES		YES	YES	YES	YES	YES	+	YES	YES	YES	YES	YES	F2F, AUDIO
Andrey Ershov	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	+	NO	NO	NO	NO	NO	Will not be able to travel those days

										+		YES	YES			F2F/Telco, AUDIO
Unknown User (bartoszbialek)																
Unknown User (wassim.filali)										+			YES			AUDIO
										+						
										+						
Rooms available at BMW						YES	YES			+		YES	YES			One room in february with video conference

Agenda backlog

[Draft agenda planning here](#).

<Title of proposal (Template)>

- *Proposer: <Person proposing topic>*
- *Responsible group: Vehicle HAL project / Audio HAL project*
- *Topic owner: <Person leading topic (may be different from Proposer)>*
- *Length: <How much time is required for this session>*
- *Abstract: <Short description of topic>*
- *Content:*