[GPRO]
Generic Protocol Working Session

(Giovanni Vergine) & Gunnar Andersson
Working session Agenda

• Participants and getting to know each other
• Review of project intro & goals
• Review of presentations so far
• How well has knowledge sharing phase succeeded? (Is everyone informed about each part?)
• Discuss popularity poll options & questions
• Discuss potential for industry convergence
• Franca IDL usage poll, alternatives poll.
• JOYNR-type frameworks. Alternatives?
• Design of such frameworks.
Project intro & Goals

• **Kickoff-slides**
Complexity Eating Us Alive?
Technology Polls
## Technology Polls

- For one vote, write a vertical line: 
- For extra importance, use star ⭐️

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Technology Poll – **awareness** – use single vote (line) if you are **familiar** with the technology, else leave blank

- Franca IDL
- CommonAPI
- MQTT
- WAMP
- AMQP
- XMPP
- SOME/IP
- REST
- Flatbuffers
- Cap'n'proto
- ARA::COM
- DDS
- HTTP
- CoAP
- D-Bus
- Protobuf
- gRPC
- MsgPack
- JSON
- Thrift
- Avro
- Franca-Plus
- ZeroMQ
- STOMP

What did we miss?
Technology Poll – **importance** – use single line for importance. Use star ★ for extra importance.

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REST protocol

- Vehicle Signal to REST mapping
Development Tooling (GPRO ↔ SHDA)

- D-Bus → D-Feet
- Franca (PSM) →
- REST → ?
- (DLT – DLT-viewer, )
- … cont’d other high-prio
Convergence

• What is your opinion about reducing the number of protocols
• Creating recommendations?

• What is your opinion about creating model transformation
• and code generators to/from Franca IDL?

• What is your opinion about implementing abstractions over
protocols (like JOYNR)