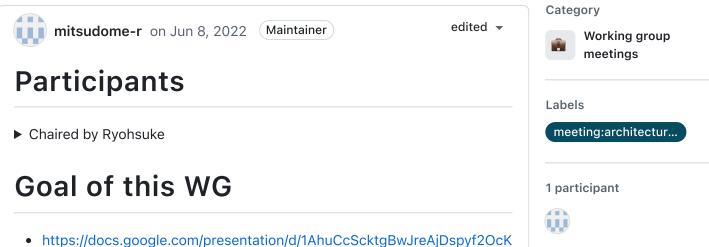


Autoware Architecture WG Meeting (vehicle) 2022/06/08 #2657

mitsudome-r started this conversation in Working group meetings



- https://docs.google.com/presentation/d/1AhuCcScktgBwJreAjDspyf2OcK TNFbK-fFI1QT9NRLg/edit?usp=sharing
- Wiki: https://github.com/autowarefoundation/autoware-projects/wiki/Autoware-Architecture-Working-Group

Discussion Topics:

Review Vehicle Interface Design

Reference:

- Past proposal from TIER IV:
 - https://github.com/orgs/autowarefoundation/discussions/4
 - https://github.com/tier4/AutowareArchitectureProposal.proj/blob/mai n/docs/design/software_architecture/Vehicle/Vehicle.md
- Current Design of Vehicle Interface:
- vehicle messages:
 https://github.com/tier4/tier4_autoware_msgs/tree/main/autoware_vehicle_msgs/msg
- https://github.com/orgs/autowarefoundation/discussions/16#discussionc omment-2765780

Interface Design

- Output to DBW
 - Actuation Command:
 https://github.com/tier4/tier4_autoware_msgs/blob/main/autoware_v
 ehicle_msgs/msg/ActuationCommand.msg
 - Vehicle Specific Commands as separate messages
 - shift

- door
- wiper
- Output to Control/Planning:
 - velocity information: geometry_msgs::Twist
 - Steering
 - Actuation Status
 - o control mode

Discussions:

- output to DBW:
 - There was a discussion to modify actuation command to be more generic by making it a pair of (string, value)
 - https://github.com/orgs/autowarefoundation/discussions/16#discussioncomment-2765780
 - Shark Liu: It is not efficient to provide command_name as string.
 - Fatih: We can provide the info message as separate message like CameraInfo msg + Image msg
 - Predrag: If we have <u>fixed message</u>, is there any cases where accel_cmd and brake_cmd fused into single message?
 - Final Decision: fixed number of command (3 fields) +
 ActuationCommandInfo to describe each fields meaning.
- For odometry_msgs, is it velocity of each wheel? No, it is the velocity of base_link.

Next Week Topic

External API



0 comments