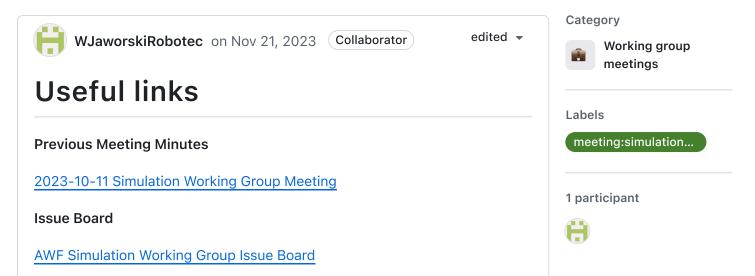


## 2023-11-22 Simulation Working group Meeting #4014

WJaworskiRobotec started this conversation in Working group meetings



## Recording from the meeting

Wiki Pages

https://drive.google.com/drive/folders/1IX3h2MLvs3TTncQrnvm3kCNRmbXHyp12

## **Agenda Summary**

Bus ODD E2E Simulator Requirements

- AWSIM and SS2 integration
  - AWSIM <-> scenario\_simualtor\_v2
    connection tier4/AWSIM#219
- AWSIM + AWF verification
  - Design of Autoware + AWSIM evaluation procedure autowareprojects#70 (comment)
  - Integration of ITRI campus with ITRI bus and Autoware -AWSIM autoware-projects#40 (comment)
    - Tsutake-san: Should we modify a LL2 or 3D model? 3D model might be much more difficult
    - usually we start with LL2 and then create a matching 3D model
    - we need to investigate if it can be simply done other way around
    - Mitsudome-san: LL2 shared by ITRI is correct, worked on the real vehicle
    - Wojciech: We will discuss it internally at Robotec and handle this issue as our contribution
    - Tsutake: If noone is going to run the same tests in reality and AWSIM, then there is no need to use the same LL2

- Mitsudome: for scenario testing it might be enough, but obviously it would be better to have a true digital twin. In this case I'm fine with having different LL2s
- Action Point: Robotec to discuss how to handle this issue
- Kashiwanoha 3D map improvements and sharing with AWF
  - Tsutake-san: the plan is to share the Kashiwanoha map by the end of December
  - The LL2 and visual aspects will be similar, most of improvements are related to performance.
  - Igata-san: We also have some scenarios from Kashiwanoha map, these could be added to the set of scenarios for Autoware verification.
  - Igata-san: LL2 and PCD map can be checked in the evaluator for each scenario.
  - LL2's need to be verified with new 3D model of Kashiwa, to find which one is correct / can work with AWSIM.
  - Action Point: Robotec can test SS2 AWSIM Kashiwa before public release.
- ROSCon x AWSIM learnings (Wojciech)
  - Probably it would be a good idea to advertise AWSIM more in the US
- Mistudome-san: Is there a plan to release a new AWSIM with the SS2 support?:
  - Tsutake-san: we are planning to make a new release, but not decided yet if it;s going to contain a SS2 support.
- CJ: I got contacted by the company: <a href="https://repli5.com/">https://repli5.com/</a>, probably a good match for map generation



## 0 comments