

# OpenADx Steering Committee Meeting

... (insert next meeting agenda here)

## Steering Committee Meeting,

## Technical Meeting

08.07.2021, 5pm - ~~6:30pm~~ 5:45pm CEST

### Agenda / Meeting Minutes

1. Welcome, Agenda
2. Antitrust Policy
  - > respect Eclipse's Anti-Trust Policy
3. Introduction of new members
4. IAC - Indy Autonomous Challenge with Universities
  - a. Ansys IAC simulation race on June 30th  
[Ansys Indy Autonomous Challenge Simulation Race](#)
  - b. June 10th update  
<https://docs.google.com/presentation/d/1WETq5S1aTOIfgzvHJhFHEp1sL7vLAWjtaLHnmUjQrl/edit?usp=sharing>
  - c. Clemson Deep Orange 12 "DO12" team is autonomous test driving IAC racecar using OpenADx middleware.  
<https://cuicardeeporange.com/project/deep-orange-12/>  
<https://twitter.com/juncosracing/status/1396584574621294592?s=12>
  - d. IAC racecar software stack developed with help of Autoware Foundation, OpenADx members and is being given to all teams as suggested reference implementation.
  - e. **Please help!** Here are some tasks  
<https://gitlab.com/autowarefoundation/autoware.auto/AutowareAuto/-/issues/638>
5. Steering Committee Chair Elections
  - a. nominations open till July 9th
  - b. then voting starts till July 16th
6. OpenADx Timeline / Program Plan
  - a. **Roadmap for implementing the Program Plan - to be done**
    - i. Update: <https://tuleap.eclipse.org/plugins/docman/download/2699/1>
  - b. Current EF Azure credits will be invalid mid of this year -> to be clarified with Robert, Paul and Stormy  
**-> What is the current state?**
  - c. **Azure Instance (just a Windows VM) for OpenADx demonstrator is available.**
    - i. openPASS will support with the demonstrator
    - ii. sim@openPASS could be included in the demonstrator
    - iii. OpenMCx short before release and can also be used for the demonstrator
    - iv. How can we combine all the stuff?
  - d. Our offer to help Indy Autonomous Challenge university teams [IAC ROS2 Autoware Offer](#)

- i. early survey results from teams for what they need [IAC ROS 2 Survey - early comments.pdf](#)
- 7. OpenADx Big Picture
  - > update
  - Link: <https://tuleap.eclipse.org/plugins/docman/download/2637/1>
- 8. Toyota adopts “ApexOS” safe ROS 2 distro from Apex.AI. Supports Apex.Middleware of OpenADx CycloneDDS+iceoryx with optional Zenoh V2X
  - a. [Toyota Selects Apex.OS To Underpin Automated Vehicle Platform](#)
  - b. TÜV Nord certified on Arm for ISO 26262 ASIL-D
  - c. [Presentation](#) about how Apex.AI made open source safe ISO 26262 ASIL-D
- 9. OpenADx in ROS2 & AUTOSAR Adaptive
  - a. OpenADx CycloneDDS+ iceoryx is the new default ROS 2 middleware for ROS2 Galactic.
  - b. Apex.AI & ADLINK have been busy, OpenADx open source will be automotive grade ASIL-D ISO 26262 <https://www.apex.ai/apex-middleware> (ISO26262 planned for 2022)
    - i. Cyclone DDS with built-in iceoryx and Zenoh V2X for ROS 2 and DDS community.
    - ii. iceoryx with Cyclone DDS and SOME/IP gateways for AUTOSAR Adaptive community
- 10. Collaboration with Universities
  - a. IAC ... (obviously)
  - b. F1TENTH migrating to ROS 2 Foxy with Autoware.Auto autonomous driving packages and Cyclone DDS with builtin iceoryx and Zenoh V2X
    - i. **Consider sponsoring F1TENTH! Here are details & contacts**  
[F1TenthFoundation Sponsorship Benefits 2021.pdf](#)
  - c. “CARMA F1TENTH” V2X led by Madhur Behl of U of Virginia  
<https://github.com/usdot-fhwa-stol/carma-1-tenth>
- 11. USDOT CARMA
  - a. Progress migrating CARMA to ROS 2 Foxy with Autoware.Auto autonomous driving packages and Cyclone DDS. Will use Cyclone DDS w built-in iceoryx and Zenoh V2X  
<https://discourse.ros.org/t/carma-2021-updates-and-release-plan/19791>  
<https://discourse.ros.org/t/carma-migrating-to-ros-2-with-cyclonedds-and-zenoh/17541>
  - b. Link to videos
    - i. [Everything You Need to Know about CARMA](#)
    - ii. [CARMA Online Resources](#)
    - iii. [CARMA Program Part I](#)
    - iv. [CARMA Program Part II](#)
    - v. [CARMA 1Tenth](#)
    - vi. [Autoware Integration with CARMA](#)
    - vii. [Collaborate on the CARMA Platform](#)
- 12. Demonstrator
  - a. [tuleap.eclipse.org/plugins/tracker/?aid=1246](https://tuleap.eclipse.org/plugins/tracker/?aid=1246)  
-> Status: Simon, AVL, started a first setup based on OpenMCx and esmini. Co-simulation will consist of FMU only with no license required.
- 13. Eclipse Automotive
  - a. OpenADx meets openPASS
  - b. [Eclipse Automotive](#)

- i. Tractus-X as a new project proposal  
[Eclipse Tractus-X Creation Review](#)
  - ii. contributions are there, project seems to be active
14. Project Proposals
- a. What will we do next?
15. Next meeting dates
- a. Andy is on vacation on August 12th. Next meeting on September 9th.  
Enjoy the summer break! ;-)

## Participants

Name	Company	Participation?
Joe Speed	ADLINK Technology	
Joseph	Arm	x
Josko	AVL List	
Adam	DENSO Corporation	x
Daniel	DLR	
Naci	eteration	
Philip	EclipseSource	
Andreas	itemis	
Michael	JCIM	
Robert	Microsoft	x
Jeff	Red Hat	
Andy	Robert Bosch GmbH	x
Robin	Siemens	
Dominik	science+	
Paul	Eclipse Foundation	
Michael	Eclipse Foundation	
Lukas	FH Dortmund	
Brian	Open Robotics	
Daisuke	Autoware	
Simon	AVL	
Klaus	AVL	x