

# OpenADx Steering Committee Meeting

... (insert next meeting agenda here)

## Steering Committee Meeting,

### General Meeting

13.04.2021 -> 15.04.2021, 5pm - 6:30pm CEST

#### Agenda / Meeting Minutes

1. Welcome, Agenda
2. Antitrust Policy
  - > respect Eclipse's Anti-Trust Policy
3. Introduction of new members
4. OpenADx WG Charter Update
  - > Update Charter
5. OpenADx Timeline / Program Plan
  - o **Roadmap for implementing the Program Plan - to be done**
    - i. <https://tuleap.eclipse.org/plugins/docman/download/2575/1>
  - o Current EF Azure credits will be invalid mid of this year -> to be clarified with Robert, Paul and Stormy
  - o **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?
  - o 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](#)
6. Architecture excursion
  - o What is architecture in our context?
    - > Presentation on 13.04.2021 by Andreas
    - > shift to next meeting
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
  - o [Toyota Selects Apex.OS To Underpin Automated Vehicle Platform](#)
  - o TÜV Nord certified on Arm for ISO 26262 ASIL-D
  - o [Presentation](#) about how Apex.AI made open source safe ISO 26262 ASIL-D
9. OpenADx in ROS2 & AUTOSAR Adaptive
  - o OpenADx CycloneDDS+ iceoryx is the new default ROS 2 middleware for ROS2 Galactic.

- 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. IAC - Indy Autonomous Challenge with Universities
  - Clemson Deep Orange 12 “DO12” team is autonomous test driving IAC racecar using OpenADx middleware in preparation for high speed exhibition. <https://cuicardeeporange.com/project/deep-orange-12/>
  - Clemson’s IAC racecar software stack developed help from Autoware Foundation, et al. and is being given to all teams as suggested reference implementation.
  - **Please help!** Here are some tasks <https://gitlab.com/autowarefoundation/autoware.auto/AutowareAuto/-/issues/638>
- 11. Collaboration with Universities
  - IAC ... (obviously)
  - 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](#)
  - “CARMA F1TENTH” V2X led by Madhur Behl of U of Virgina <https://github.com/usdot-fhwa-stol/carma-1-tenth>
- 12. USDOT CARMA
  - 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>
  - 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](#)
- 13. Demonstrator
  - [tuleap.eclipse.org/plugins/tracker/?aid=1246](http://tuleap.eclipse.org/plugins/tracker/?aid=1246)  
-> Update
- 14. OpenSCENARIO Implementers forum  
-> Update  
OpenSCENARIO is looking more for use-cases instead of implementations
- 15. Eclipse Automotive
  - OpenADx meets openPASS
  - [Eclipse Automotive](#)
    - i. Tractus-X as a new project proposal  
[Eclipse Tractus-X Creation Review](#)

- 16. Open topics
  - > Update
- 17. OpenADx Whitepaper
  - o next steps
    - i. add section with success stories like Toyota, Apex.AI,
    - ii. setup a meeting for an update session
    - iii. maybe an annual release of the updated whitepaper
- 18. Lead Management
  - > Update
- 19. Events
  - > Update
    - o IAC events at Indy 500 May 26-30
    - o ROScon with Autoware track Oct 22-23 [roscon.ros.org](http://roscon.ros.org)
    - o IAC Race at Indy Oct 23 [indyautonomouschallenge.com/timeline](http://indyautonomouschallenge.com/timeline)
- 20. Feedback from conferences
  - > Update
- 21. Projects
  - > Update
- 22. Project Proposals
  - > Update
- 23. Next steps
- 24. Next meeting dates
  - o regular meetings are scheduled
  - o There is a conflict on the Tuesday schedule, Meeting Poll is active

## Participants

Name	Company	Participation?
Joe Speed	ADLINK Technology	x
Joseph	Arm	x
Josko	AVL List	x
Adam	DENSO Corporation	x
Daniel	DLR	
Naci	eteration	x
Philip	EclipseSource	
Andreas	itemis	x
Michael	JCIM	
Robert	Microsoft	x
Wolfram	Red Hat	
Andy	Robert Bosch GmbH	x

Robin	Siemens	
Dominik	science+	
Paul	Eclipse Foundation	
Michael	Eclipse Foundation	x
Lukas	FH Dortmund	x
Brian	Open Robotics	
Daisuke	Autoware	
Simon	AVL	x
Klaus	AVL	