

# R-CAR NEW BOARD UPDATE

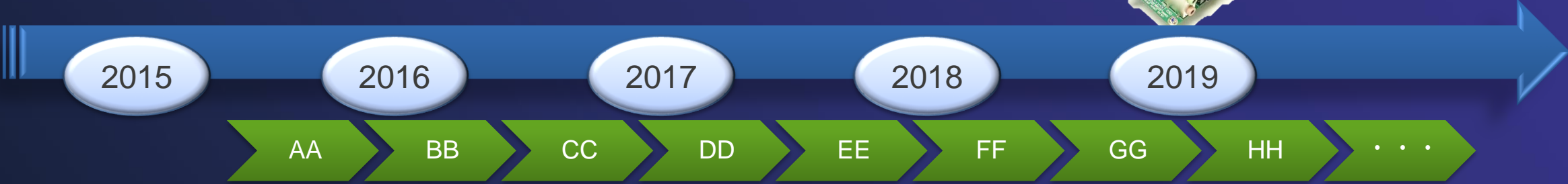
IT'S UNDER PLANNING.....

2023/JUL/14

HARUNOBU KUROKAWA

RENESAS ELECTRONICS CORPORATION

# R-Car series were used as AGL Reference Board since 2015



# AGL OFFICIAL DEMO #1, #2, #3 (CES 2023@LAS VEGAS)

The joint development demonstration by AGL members (including Renesas) exhibited three types of demonstrations. All of them use R-Car H3.

- 1 : Cockpit demo with H3 (IVI) and Raspberry Pi4 (Cluster) using new HMI (Flutter). Steering Wheel is provided by Suzuki
- 2: Container isolation demo incorporating technical elements from IC-EG (IVI switching)
- 3 : Integrated cockpit demo incorporating KVM/VirtIO at Virtualization-EG



New HMI (Flutter)



Lightweight Container on single-SoC(H3)



KVM on Single-SoC



**Renesas will be contributing OSS activity to  
accelerate Automotive industry with AGL community.**

**What's new for next step?**

# RENESAS KIOSK

- Renesas offers Connected Car Platform based on OSS to accelerate connected application development and we contribute IVI /Gateway in several communities.
- AGL and customer are hope to next-gen SoC board for community to growth automotive industry.



Zephyr™

KUKSA

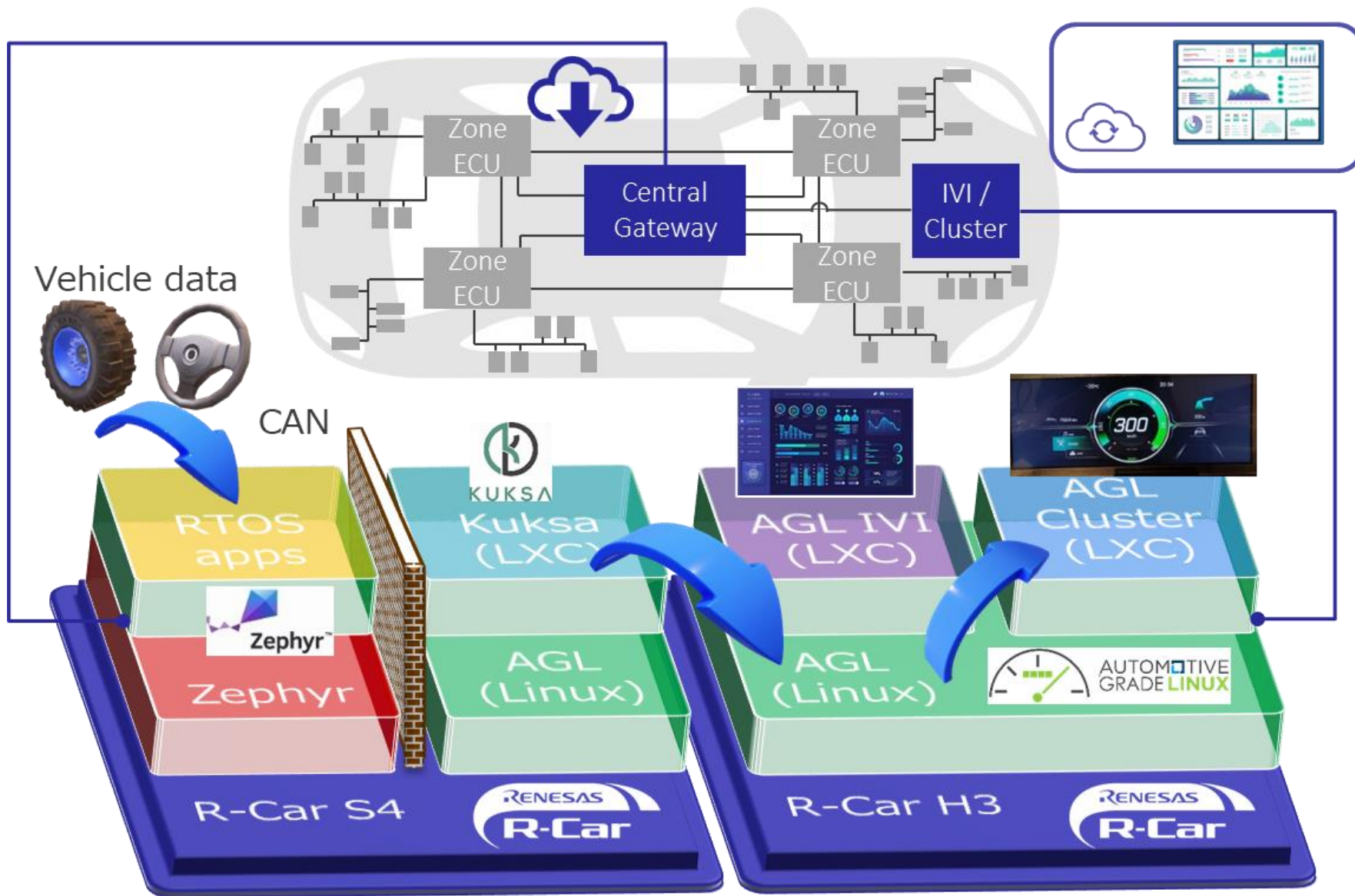
COVESA  
Accelerating the future of connected vehicles

AUTOMOTIVE  
GRADE LINUX

Vehicle Signal Simulator(PC)

Connected Car Platform (S4)

AGL Cluster+IVI (LXC, HTML5) on H3



# R-Car S4 Starter Kit That Enables Rapid SW Development for Automotive Gateway Systems

*Coming Soon!*



# R-Car S4 Whitebox SDK

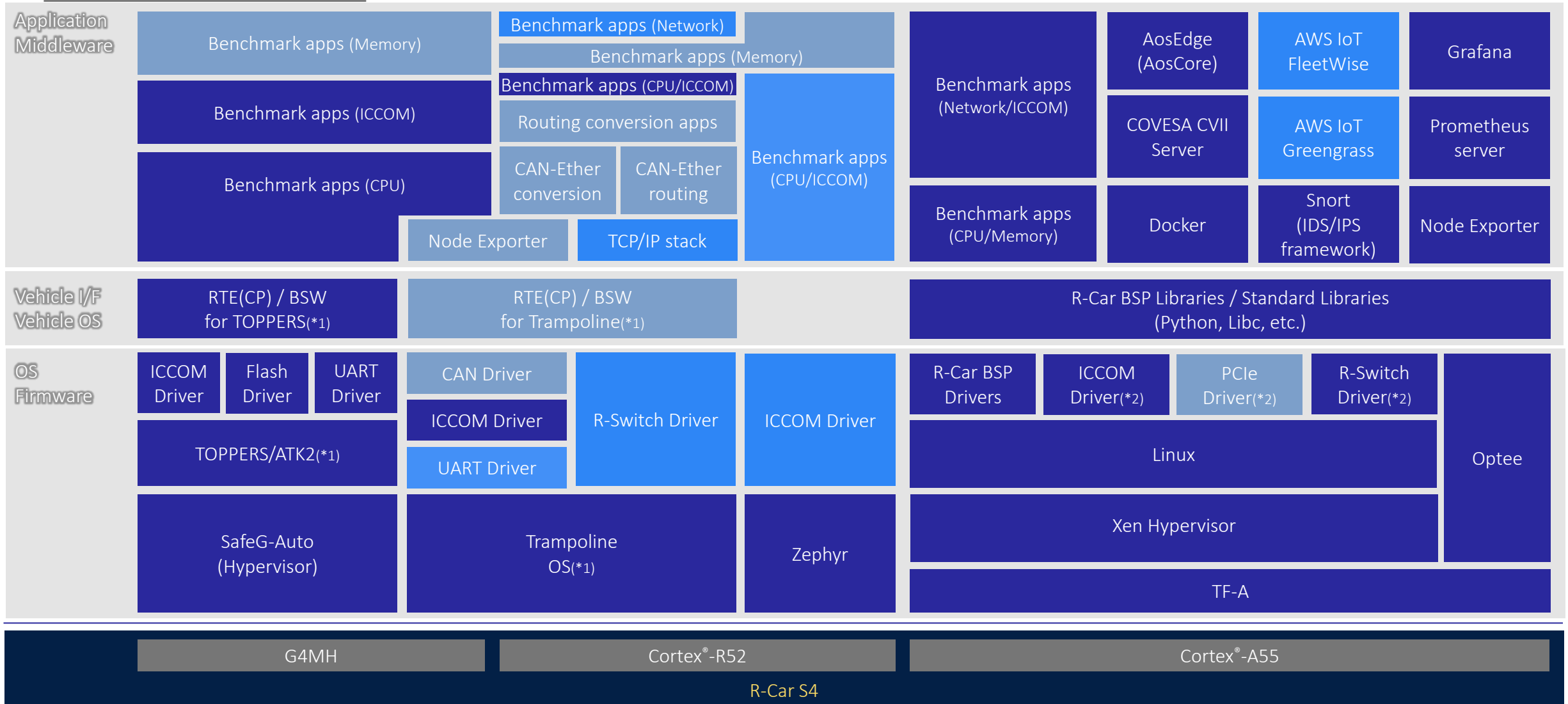
## Release schedule

Ver5.0 (2023 11E)

Ver4.0 (2023 8E)

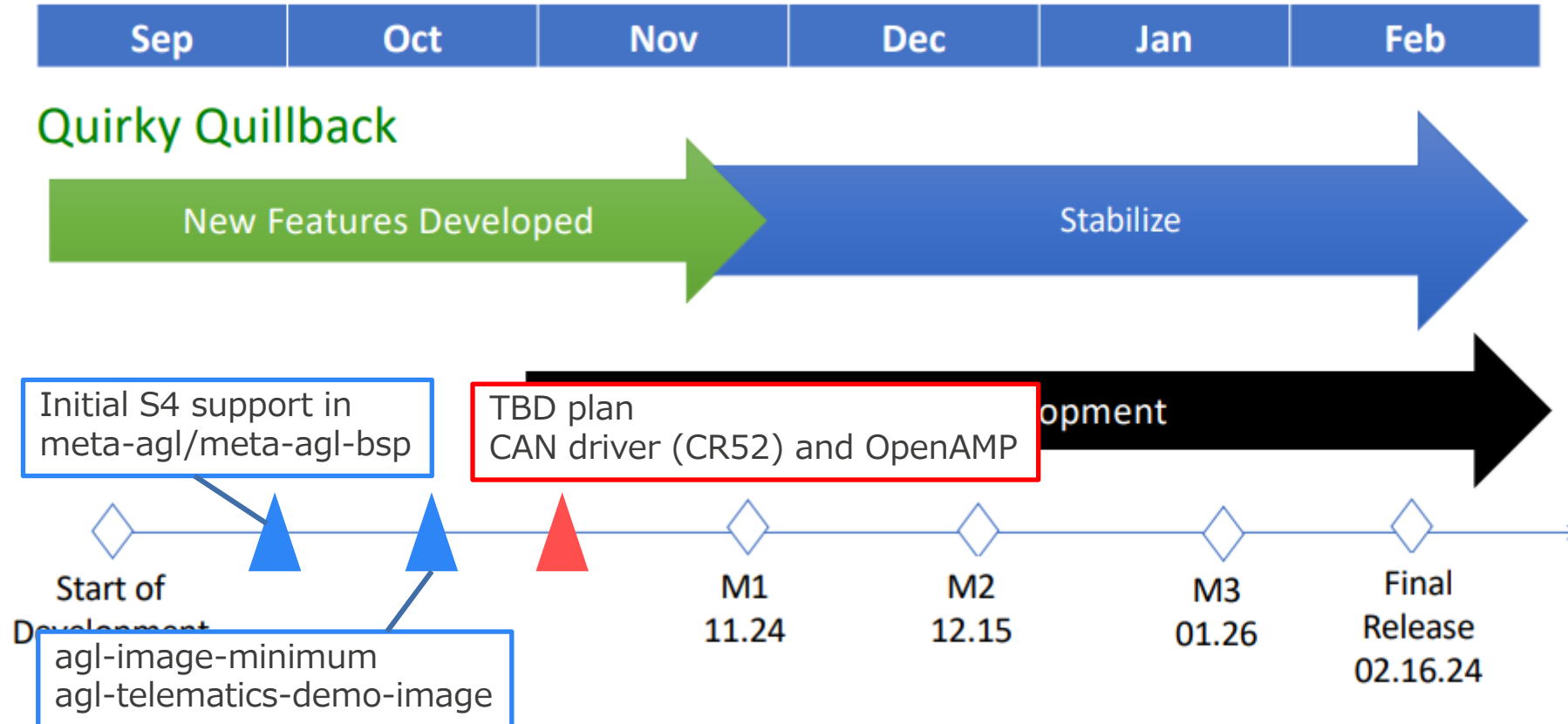
Ver3.0 (Available)

OSS based SDK (Free of charge)





# Quirky Quillback



As of 11 July 2023



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[Renesas.com](https://www.renesas.com)