



AUTOSAR Scope 2025

AUTOSAR Main Activities Planned for 2025

Thomas Rüping, AUTOSAR Chairperson

19 Mar 2025

AUTOSAR

Shanghai



BOSCH Continental



STELLANTIS

TOYOTA VOLKSWAGEN GROUP

AUTOSAR Organization

AUTOSAR 组织

Expected organizational changes ...

AUTOSAR Associate Partner Light program (Status)

A new partnership to enable free exploitation rights of dedicated parts of the standards

AUTOSAR takes account of the requirement to open the standard:

- With the Associate Partner light the respective partner agrees to limit himself to the commercial exploitation of a selected share of released AUTOSAR Work. On the other hand AUTOSAR is exempting the Associate Partner Light from the obligation to pay the administration fee that is otherwise charged to Associate Partners.
- With this parts like protocols can be used to enable access to AUTOSAR systems for companies which do not have automotive applications as their main business (e.g. insurance companies)
- The new partnership contract is now agreed (signed) by all Core-Partners
- The finalization of a detailed list of all documents associated with that partnership type is in progress.
- The partnership type will be available and published on the WEB-page as soon as the document list is prepared.

A Common AUTOSAR Implementation

Based on the objectives agreed by the EB (decision Sep 2024):

1. Continue the AUTOSAR Adaptive Platform standardization within the AUTOSAR GbR by developing and releasing specifications for AUTOSAR Adaptive Platform
2. SDV Core Stack to be compatible to or able to communicate with the AUTOSAR Classic Platform
3. Enable a strong ecosystem/community around AUTOSAR Adaptive and make it legally easy to collaborate and create based on AUTOSAR Adaptive e.g. through open source
4. Software implementation(s) of AUTOSAR Adaptive shall be available under an at least open license, ideally open source*
5. Ensure and support that Source Code main path and AUTOSAR Specifications are in sync.
6. AUTOSAR standardization work and its according organization AUTOSAR GbR shall continue to finance itself sufficiently

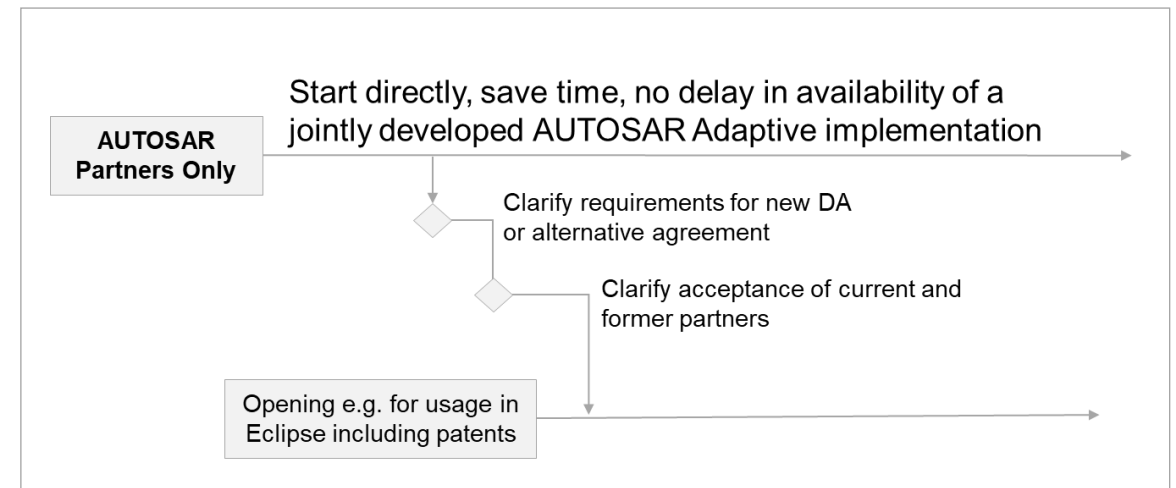


Fig.: The best trade off (EB decision Feb 2025) to achieve the objectives between the legal boundary conditions, the basic principles of ECLIPSE, and degree of openness

*) based on what is feasible by legal constraints

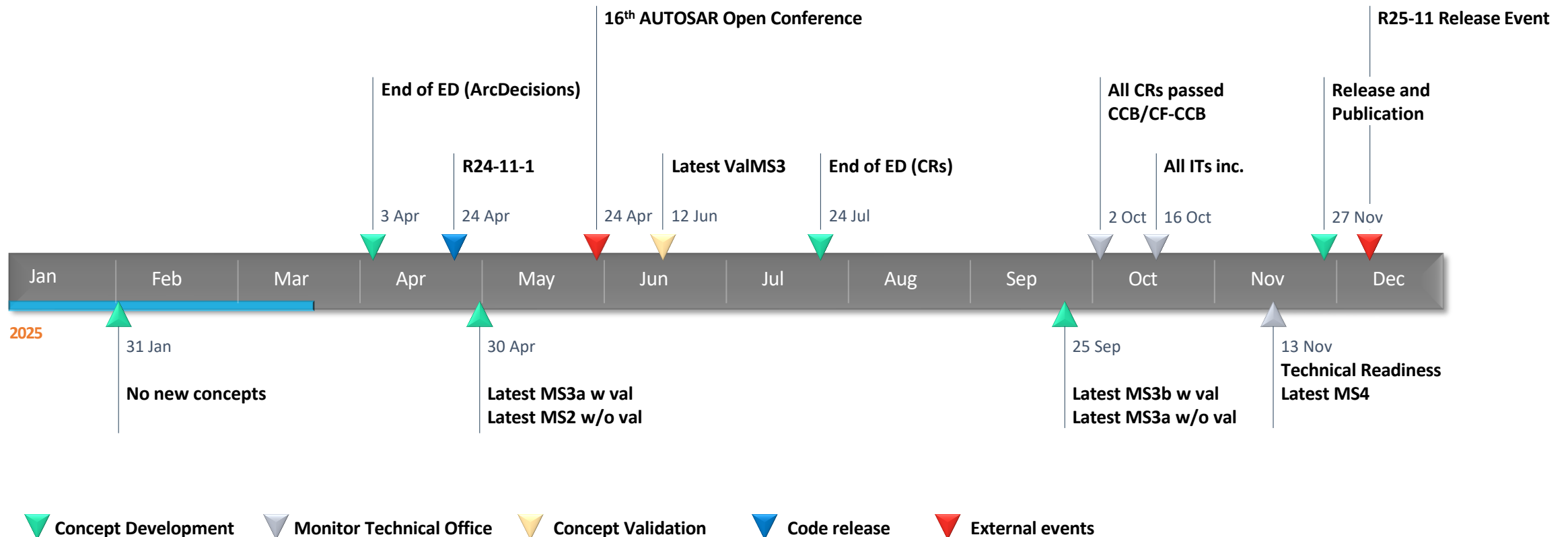
Technical development

技术发展

What are we doing to improve the standard ...

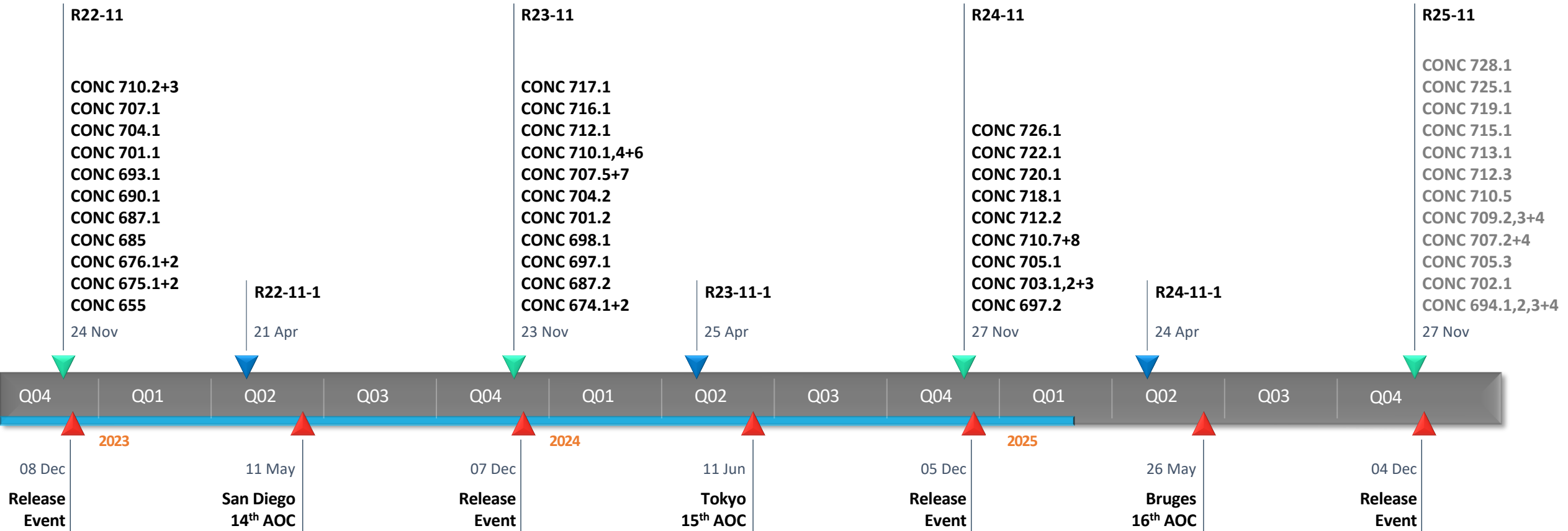
AUTOSAR Roadmap

Important milestones to ensure the release R25-11 on time and in quality



AUTOSAR Concept Roadmap

AUTOSAR's continuous and reliable release pattern ...



AUTOSAR Features

The feature graph as a new deliverable

Use Cases:

As a **user** of the AUTOSAR Standard I want to select a consistent subset of AUTOSAR documents based on short and expressive terms.

As an AUTOSAR **developer** (Doc-Owner) I want to analyze dependencies to other documents, and I also want to describe dependencies of my own document to other documents.

As a **product manager** I want to discuss and plan implementations based on standardized features

As a **concept owner** I want to identify the integrated features and the respective documents in the standard

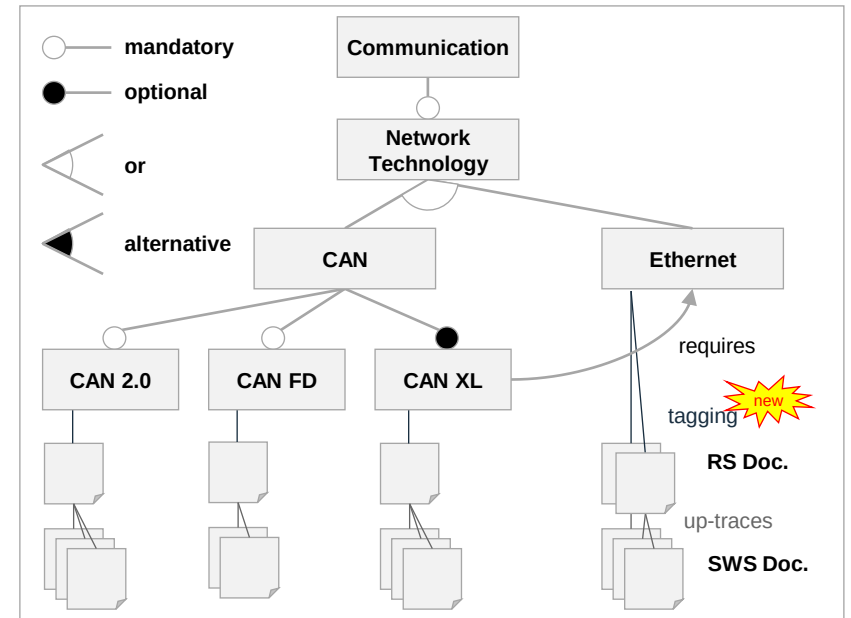


Fig.: The feature tree, which is actually a graph, helps to describe dependencies and connects features and documents using a tagging approach.

AUTOSAR Explorer

The AI based expert system to improve the usability of the standard

Use Cases:

As a **manager** you can get support for questions about the organization, the releases and the application process.

As an AUTOSAR **developer** you can get support for configuration and implementation issues

As an **experienced developer** you can get support for debugging and error analysis questions.

In general, the following languages are supported:

- English
- Chinese
- Japanese

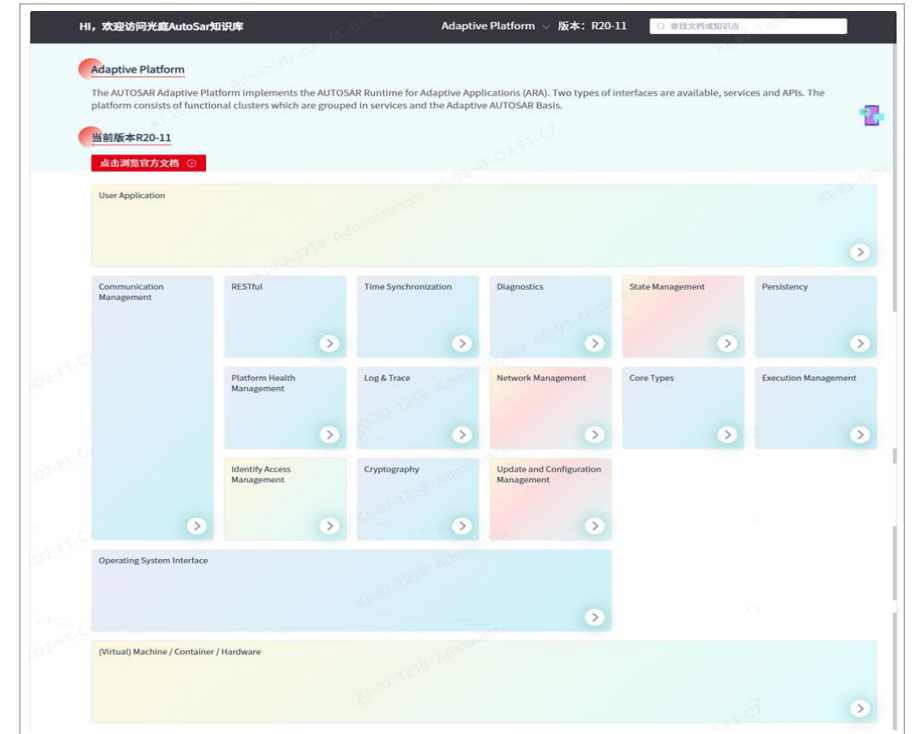


Fig.: Home page of the AUTOSAR Explorer (will be adapted to the AUTOSAR design principles of the AUTOSAR Web-Page)

User Benefit:

Improve the usability of the standard

CP-Evolution

Planned for R26-11 and later

Motivation and Goals

- Decrease time to market
- Reduce complexity
- Increase the quality
- Provide more freedom for implementation and innovation

Measures

- Cleanup features and meta model
- Provide parameter profiles with default values
- Optimize granularity (Re-clustering)

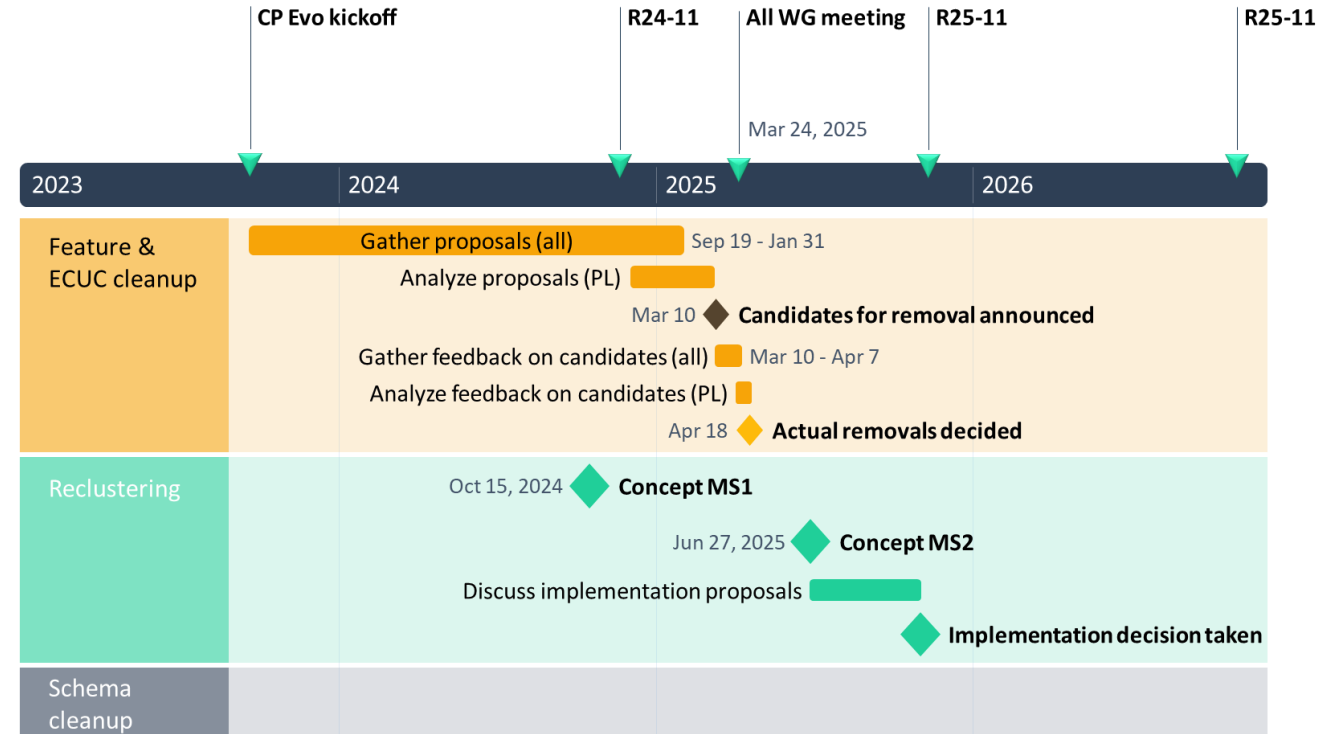


Fig.: Planning of the classic platform evolution process. All activities are aligned with the working groups.

User Benefit:

Increase acceptance of the standard

Summary

摘要

What you should remember ...

Summary

AUTOSAR Scope 2025

- AUTOSAR is a reliable supplier of market-relevant functions for the automotive industry
- Opening measures are done or at least introduced on different levels
- Measures are taken to not just provide specifications but also code in order to
 - increase development speed
 - improve the quality and
 - improve the attractivenessof the platforms
- AUTOSAR 是汽车工业市场相关功能的可靠供应商
- 在不同层面采取或至少采取开放措施
- 采取的措施不仅包括提供规格，还包括提供代码，以便
 - 提高开发速度
 - 提高质量和
 - 提高标准的吸引力标准的吸引力



AUTOSAR™

Thank you very much

非常感谢



BOSCH Continental



STELLANTIS

TOYOTA VOLKSWAGEN GROUP