AUTOSAR

Concept 720: Adaptive Platform Machine Configuration

Final release planned for R24-11

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Adaptive Platform Machine Configuration (APMC) Released with R24-11



Challenge	Solution
AUTOSAR models the configuration options of functional cluster elements and their relationships to each other. Users apply this syntactic and semantic set of rules to describe their target configurations. Changes to the functional clusters currently have a disproportionate impact on the syntax. This inherent impact makes the development of the standard fragile and complex.	Now changes in the target configuration can be expressed without changing the syntax. This improves the development speed of the standard and its stability . Furthermore, this stabilizes the specification of the syntactical definition of AUTOSAR target configurations.
Definition of Vendor-specific Model Elements is possible, but cumbersome	This approach allows the definition of vendor-specific model elements . However, this flexibilization means that the advantages of standardization are lost.
Definition of default values is not possible in the definition of the target configuration.	Definition of default values is now possible directly within the definition of the target configuration, to improve the usability of the standard.

A good trade-off between quality, flexibility and standardization

