



Concept 705: Feature Graph

Final release planned for R25-11

SG-ReqM (Hood)

25 Apr 2025



BOSCH Continental

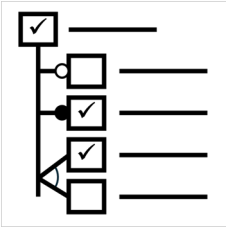


STELLANTIS

TOYOTA VOLKSWAGEN GROUP

Feature Graph

Released with R24-11

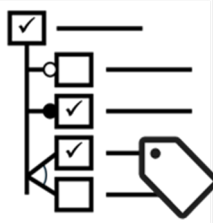


Problem	Solution
The AUTOSAR standard is often seen as too complex and difficult to understand, due to hidden dependencies.	The feature graph is organized as a browsable tree and provides a capability-oriented perspective to the standard so that users can navigate from an overarching view to a more fine-grained presentation.
Specifying product needs based on the AUTOSAR standard usually ends up in long lists of SWS-Items, which are cumbersome to create and to maintain.	The graph also shows dependencies between different features, so it is visualizing the effects if a certain feature is not used.
Cross cutting features are getting lost after the respective concept is released	

Improve planning capabilities, overview, and usability of the standard

Feature Graph

Final release planned for R25-11



Problem	Solution
The AUTOSAR standard is often seen as too complex and difficult to understand, due to hidden dependencies.	The feature graph connects each feature to a set of SWS-items and visualizes their dependencies to each other . With that a user of the AUTOSAR standard can define consistent subsets on a more abstract and comprehensive level.
Specifying product needs based on the AUTOSAR standard usually ends up in long lists of SWS-Items, which are cumbersome to create and to maintain.	
Cross cutting features are getting lost after the respective concept is released	The feature graph documents and enables the visualization of cross cutting characteristics of the standard by depicting them as a feature and their relationship to the different documents .

Improve planning capabilities, overview, and usability of the standard