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FACT SHEET

J2746 SAE Software Assessment Repository

An organization's maturity may be measured through several capability assessment methods; this standard addresses how the results of those assessments are shared within the J2746 Software Assessment Repository.

The J2746 Software Assessment Repository is intended to provide corporations that develop embedded software for the automotive industry direction on how to effectively publish and promote their organization's development capabilities.

The SAE Software Assessment Repository is a web-based repository that allows organizations that develop embedded software to post and share their assessments in a uniform, disciplined manner

This online database system facilitates accurate and secure sharing of corporations' software development capabilities. The repository does not mandate the use of one assessment method over another; rather, it reports the salient results from industry accepted assessment methods.

When a customer is interested in the capabilities of a supplier, the relevance of those capabilities to the customer's need is critical. J2746 proposes to utilize the Functional Domains of the automotive electronics systems as defined by AutoSAR to partition suppliers' capabilities. The six functional domains as defined by AutoSAR are Chassis, Powertrain, Safety, Multimedia/Telematics, Body/Comfort and Human Machine Interface.

It is important to recognize that both OEM's and suppliers developing software which goes into vehicles should participate in the J2746 Repository and follow improved practices of software engineering. Since car manufacturers OEMs (Original Equipment Manufacturer) also develop embedded software, they should participate in the Software Assessment Repository in addition to the supply base in order to better focus software improvements in the industry, the intent of Software Process Improvement (SPI) and related assessments must be focused upon industry specific technologies.

Register to be a member of the repository at http://www.sae.org/servlets/j2746/

SAE Embedded Software Standards Committee Standards Development & Revision Activities

J2746 Software Assessment Repository

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Maryvonne L Jacquemart
1-248-273-2467
mjacquemart@sae.org
http://www.sae.org/servlets/works