AUTOMOTIVE PLM XML / JT: Proposal for a Guideline to Lightweight Content

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Abstract: Today’s globalized markets call for effective documentation and communication of product engineering data. Lightweight data formats, such as JT, are becoming more popular as a primary source within data exchange and downstream processes. However, there is a need for defining and harmonizing the contents to be carried by an according information backbone, in order for translators and processing applications to consistently interpret the stored data. With respect to syntax and semantics, and based on recent activities in joint work with the automotive industry, this paper proposes an initial guideline for the combination of PLM XML and JT. The proposal aims for a reduction of different dialects by concretely specifying a least common denominator conform to both data formats. We illustrate activities based on the proposal made, to take the here presented contents to a more neutral level as well, independent of PLM XML and possibly even JT.

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