Functional Safety WG Update

For safety critical applications, standards (e.g. ISO26262) are established to define processes and metrics to comply with Functional Safety requirements.

The implementation of these processes can still pose challenges during the exchange and integration of functional safety data between different work products and activities, carried out by different teams and/or different layers of the supply chain.

Automation tools are now available to support design and verification flows that are functional safety aware, however interoperability among them is not readily available yet.

The Accellera Functional Safety Working Group is defining a language to capture the functional safety data, which is the set of data needed to perform safety activities and to generate work products. This session will provide an update of the activities of the Working Group. After a brief summary of the industry requirements and challenges, the session will share details about the underlying data model being developed, the formalization process that led to it and the development process followed. It will also include examples of utilization and underlying methodologies. The session will conclude with a brief preview of some future activities to expand the initial data model that has so far focused on FMEDA (Failure Mode Effects and Diagnostic Analysis).

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