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TECNALIA Inspiring Business

Variabilidad en torno al cumplimiento de normativas y estándares (safety, seguridad, privacidad)

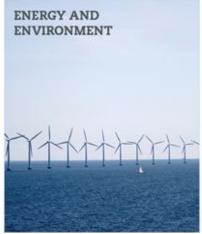




Divisiones

+ EMERGING BUSINESSES















Divisiones

+ EMERGING BUSINESSES

grupo SLI (Software and Systems Lifecyle Innovation)



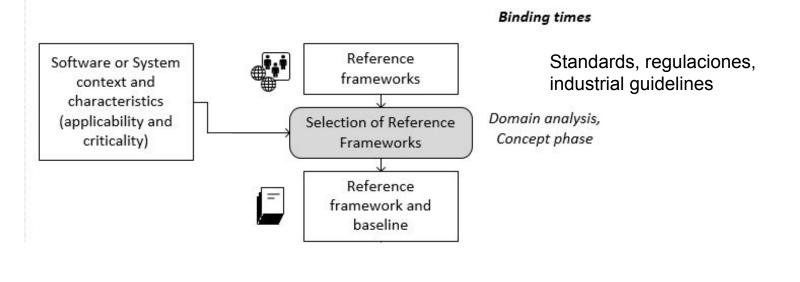


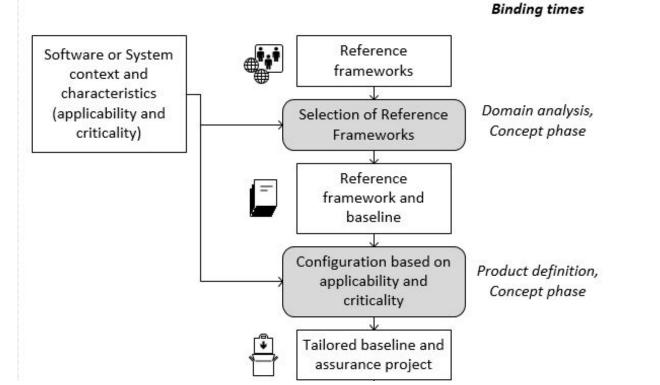


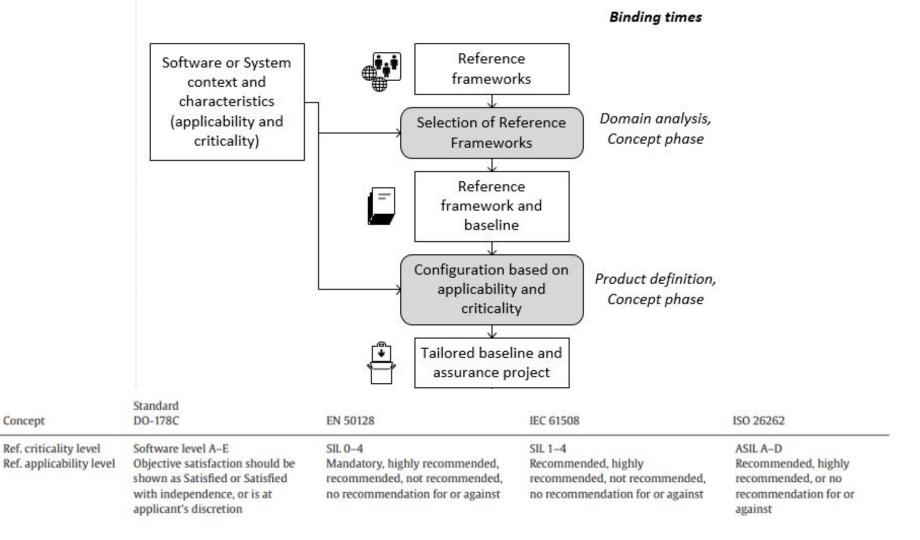












Concept

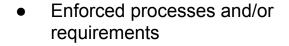
Reference Software or System frameworks context and characteristics Domain analysis, (applicability and Selection of Reference Concept phase criticality) Frameworks Reference framework and baseline Configuration based on Product definition, applicability and Concept phase criticality Tailored baseline and assurance project Safety, security, or Selection of flexible privacy concept, argumentation lines Concept phase Assurance case

Binding times





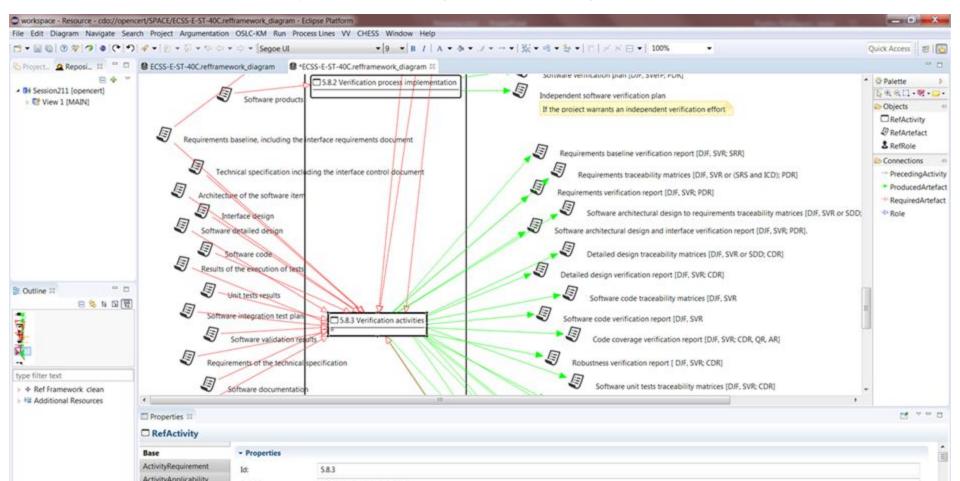
Models of standards, regulations, reference frameworks

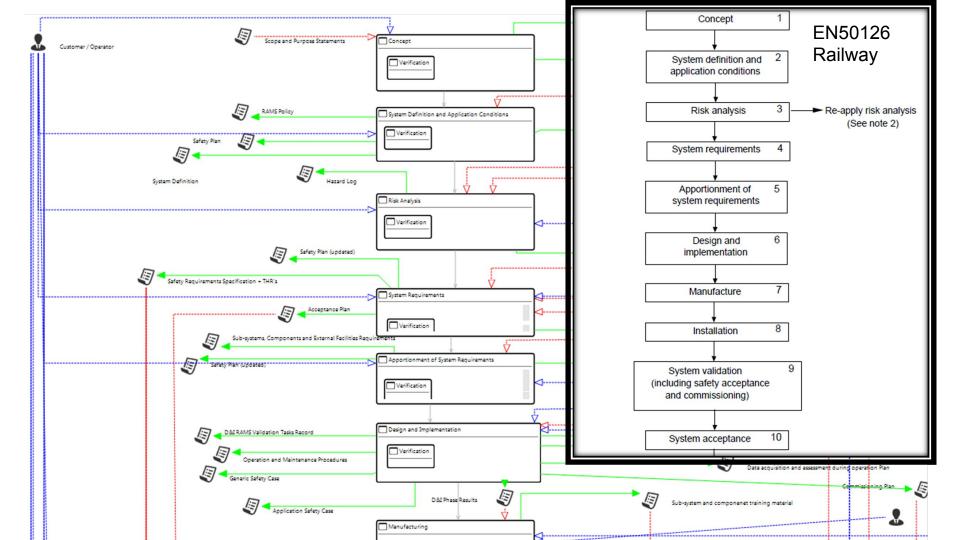


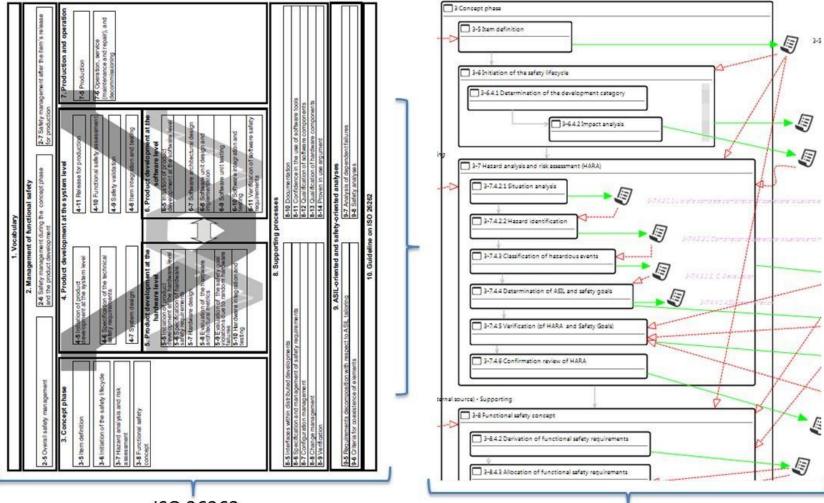
Safety objectives, arguments, and evidences

Models of Safety-Security Assurance cases, and evidence models

ECSS-E-ST-40C Space Engineering

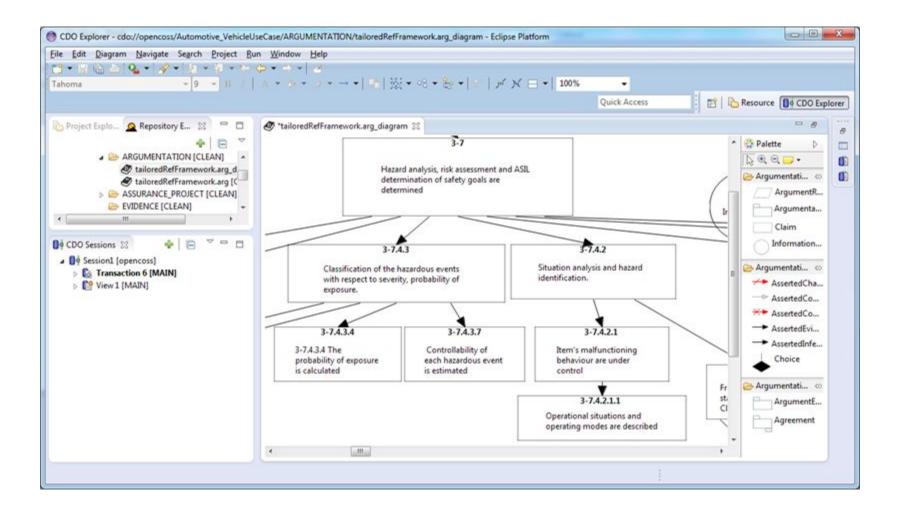






ISO 26262

Reference Framework in OPENCOSS



Assurance cases: Goal Structuring Notation

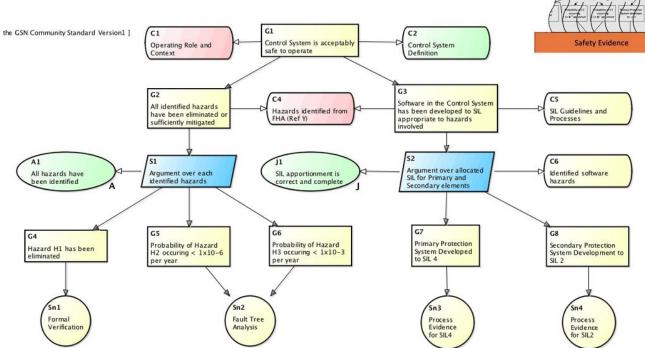


Table 4. Notation of elements in GSN.

Shape	Element
	Goal
	Strategy
\bigcirc	Solution
	Context
\bigcirc	Justification
\bigcirc_{A}	Assumption

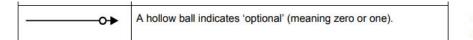
Table 5. Notation of relations in GSN.

Line / arrow	Relation (origin and source)
-	Supported by (from goal to goal / strategy / solution, or from strategy to goal)
—⊳	In context of (from goal / strategy to context / assumption / justification)



Assurance cases: Goal Structuring Notation

Built-in variability-related extensions to GSN



A1.2.3 The extension to GSN shown in Figure 22 enables the representation of structural options using the notation. This figure introduces the GSN *option* symbol, which is rendered as a solid diamond. This symbol is defined for use over all existing GSN relation types. A GSN *option* can be used to denote possible alternatives in satisfying a relationship. It can represent 1-of-n and m-of-n selection, a textual annotation indicating the nature of the choice to be made. In Figure 22, one goal can be supported by any one of three possible sub-goals.

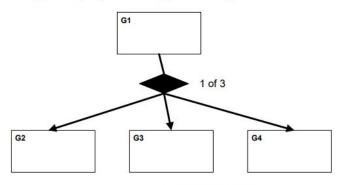
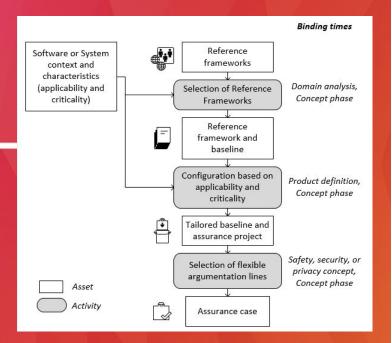


Figure 22: GSN Option Element

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