## Hardware-Software Dependability for Launchers

## Activity: TRP

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## Abstract:

The "HASDEL" ("Hardware Software Dependability for Launchers") project aims at analysing the specific needs of launcher systems in the domain of RAMS ("Reliability, Availability, Maintainability and Safety") analysis and at extending the COMPASS ("Correctness, Modelling and Performance of Aerospace Systems") toolset with these specific needs (mainly high level of criticality, hard real time requirements, functional complexity).

The HASDEL toolset resulting from this project allows an early modelling of system architecture associated with a description of its nominal behaviour (in absence of errors) and its abnormal behaviour (in presence of errors). The efficiency of the FDIR principles can thus be verified before the actual implementation of the system.