



libIMS For Eclipse – Polarsys Community

Virtual & Hybrid Testing Next Generation

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LibIMS executive summary

LibIMS: library for Modular Integrated Simulation proposes to illustrate the Eurocae ED-247 specification (nick name: Vistas).

Vistas ED-247 standard proposes a solution to integrate Virtual Components in a “plug and play” manner on avionic test benches (or test rigs).

By extension, the hybridation between real and virtual components is also described throughout each technical description. The target of this standard is to allow the use of virtual testing for avionics, in the aeronautical industrial frame encountered worldwide, or a wider industrial scope if applicable. It is used on the Virtual and Hybrid Testing Next Generation (VHTNG) research project.



Licensing Scheme for libIMS

The library provides an example implementation of the Eurocae ED-247 specification (nick name Vistas).

It is written in C in order to facilitate the understanding of the transport layer code proposed by the Eurocae ED-247 specification.

It is provided in order to serve as a guide for interconnection of modules (software or hardware) with avionic test benches or other modules also supporting ED-247 communications.

In order for the standard to be adopted as widely as possible the selection of the EPL-2.0 and BSD was recommended in concertation with the Eclipse and Polarsys teams (Mr Gael Blondelle).

This scheme is the appropriate configuration to allow a free and wide use of the library.





Thank you