ATELIER B

INDUSTRIAL TOOL FOR OPERATIONAL USE OF THE **B METHOD** AND **EVENT-B**

- SAFETY CRITICAL **SOFTWARE DEVELOPMENT**
- SAFETY CRITICAL **SYSTEM STUDY**
- **AVAILABLE FREE OF CHARGE** AT : *WWW.ATELIERB.EU*
- **COMPATIBLE WITH** : *WINDOWS, LINUX, MAC OS*

———

ATELIER B IS AN **IDE**
FOR THE **B METHOD** AND **EVENT-B**

———

FEATURES

Tools for implementing the B method and Event-B
Syntax verification, generation of proof obligations, translation of B implementations into C, ADA, ...

Proof tools
Automatic proof and a proof assistant : To demonstrate the proof obligations, thanks to the appropriate tools

Development assistance
Toolkit suitable for B projects, parallel processing, B models automatic refinement

User friendly tools
Graphical representation of project, status and statistics display of a project

CLEARSY
Safety Solutions Designer

VERSION 4.7 HIGHLIGHTS

AUTOMATIC PROOF

• Addition of an extension mechanism for the integration and application of external provers *(CVC4 and Z3 by default)*, improving automatic proof performance

• Addition of new proof statuses: Unreliably Proved and Disproved

• Several improvements to both the automatic and interactive prover UI

PROOF OBLIGATION GENERATION

• New options to particularize the behavior of the new proof obligation generator

SUPPORT

• Event-B manual is available in the Help/Manuals section

• Atelier B now supports macOS 11.0 « Big Sur »

• Improved support for Event-B for Common Criteria certification

• Optimization of the memory usage of the B compiler on semantic analysis

INDUSTRY ADOPTION

• This version is used industrially by Alstom, CLEARSY, RATP, Siemens Transportation Systems, and STMicroelectronics

WWW.CLEARSY.COM
WWW.ATELIERB.EU