



Grant Agreement: 287829

Comprehensive Modelling for Advanced Systems of Systems

C  M P A S S

The logo for COMPASS, where the 'O' is replaced by a stylized circular graphic consisting of two concentric yellow and grey rings.

## **Initial Simulator for CML**

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Public Document

<http://www.compass-research.eu>

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## Document History

Ver	Date	Author	Description
0.1	13-09-2012	Peter Gorm Larsen	Initial document version
1.0	28-09-2012	Peter Gorm Larsen	Ready for 1st year project review

## Summary

Work Package 31 develops the platform that allows simulations based on models developed in the executable subset of the COMPASS Modelling Language (CML). The simulation platform is based on an interpreter developed in Task 3.2.1. As indicated in the Description of Work [COM11], this deliverable consists of the executable and user documentation of the interpreter. The functionality from this work is documented the user manual (Deliverable 31.1a) [LCM<sup>+</sup>12]. The executable may be obtained by following the instructions in Section 2 of that deliverable, the remainder of which provides the user manual. This deliverable is therefore merely a placeholder.

The current version of the interpreter covers a subset of the CML Version 0 language [BGW12], and provides only a command-line interface. It is planned that by Month 16 the simulator will be upgraded to cover the entire executable subset of CML and will be extended with a first graphical user interface on top of the COMPASS platform inside Eclipse. It is also planned that a paper describing the interpreter and its architecture will be developed by the same date.

## References

- [BGW12] Jeremy Bryans, Andy Galloway, and Jim Woodcock. CML definition 1. Technical report, COMPASS Deliverable, D23.2, September 2012.
- [COM11] Description of Work: Comprehensive Modelling for Advanced Systems of Systems, 2011. Grant agreement no: 287829.
- [LCM<sup>+</sup>12] Peter Gorm Larsen, Joey Coleman, Anders Kaels Malmos, Rasmus Lauritzen, and Stefan Hallerstedde. Initial release of the compass tool – user manual. Technical report, COMPASS Deliverable, D31.1a, September 2012.