

# D6.1



## Scenarios, Criteria and Methodology

Version 1.0

### WP.6 Evaluation

### Dissemination Level: Confidential

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# Acronyms

<b>ASP</b>	Application Service Provider
<b>DRM</b>	Distributed Resource Manager
<b>HPC</b>	High Performance Computing
<b>ISV</b>	Independent Software Vendor
<b>LAN</b>	Local Area Network
<b>MTTF</b>	Mean Time To Failure
<b>SmartLM</b>	:Grid-friendly software licensing for location independent application execution
<b>WP</b>	Work Package

# 1. Executive Summary

The purpose of this deliverable is the description of the evaluation scenarios, criteria and methodology for the SmartLM software.

SmartLM is designed as licensing software tool of the future. It covers the functionality of different existing software licensing tools as well as the requirements of increasing grid deployment. These requirements are improved security identification, security authentication, security authorization and security integrity, integration into Grid and Cloud environments and an automatic accounting and billing interface. The requirements for SmartLM are described in D1.1 [1]. These requirements allow the adoption of new business models in the growing market of Grid and Cloud environments as described in D2.2 [2].

Chapter 2 gives an introduction to WP6 “Evaluation” of the SmartLM project, its connection to WP1 to WP5 and a first outlook to the tested requirements and the content of the document. To check, if the complex functional requirements are achieved, five different evaluation scenarios were developed in chapter 3 on the basis of the used cases defined in D1.1 [1]. The evaluation testbeds cover local environments as well as European Grid environments.

Chapter 4 lists the important additional non-functional requirements like usability, portability and security. Chapter 5 describes the evaluation methods how to check these requirements. The content of chapter 3 to chapter 5 results in Annex A. Here all evaluation platforms and evaluation tests are specified in detail.

The clear description of tasks, responsibilities of different project partners and time schedules in chapter 6 ensures the observance of the development plan given in the DoW [3].

In the future the content of this deliverable is used to perform the following tasks of WP6:

- Task 6.2: Evaluation testbed set-up and tools development (responsible CESGA)
- Task 6.3: Local evaluation (responsible T-Systems)
- Task 6.4: Final evaluation (responsible Gridcore)

If SmartLM passes all the tests and criteria defined in this deliverable, SmartLM shows its potential as licensing software tool of the future.

This 1<sup>st</sup> version of D6.1 is delivered to the European Commission by end of January 2009. This document will see changes after the SmartLM integration meeting end of January 2009. During this meeting the SmartLM developers put together the single components into a first version. The 2<sup>nd</sup> version of D6.1 is scheduled for end of April 2009.