



# EGI-InSPIRE

## UMD CLIENT QUALITY CRITERIA v3 DRAFT 1

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### Abstract

This document describes the Quality Criteria for the Client Capabilities of the UMD distribution must meet.



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### Document Log

Issue	Date	Comment	Author/Partner
2 DRAFT 1	15/02/2011	Preparation of new release	Enol Fernández
2 DRAFT 2	01/07/2011	Update of client criteria	Enol Fernández
2	02/08/2011	Release of criteria	Enol Fernández
3 DRAFT 1	13/10/2011	First draft of release 3	Enol Fernández



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## 1 CLIENT TOOLS

### 1.1 *Generic client tools criteria*

<b>Command line options coherency</b>	
<b>ID</b>	<b>CLIENT_TOOLS_1</b>
<b>Description</b>	Client commands for the same product should have a coherent set of options.
<b>Mandatory</b>	NO
<b>Applicability</b>	Client Tools
<b>Input from Technology Provider</b>	Client command tools for a given product with coherent options between them (e.g. configuration file is always specified with <code>-c</code> option, <code>vo</code> with <code>-vo</code> option) Ideally, coherency with other product command line clients.
<b>Pass/Fail Criteria</b>	All the command tools for a given product must have a coherent command line options. Semantically common options for two commands must have the same syntax.
<b>Related Information</b>	Requirement #1780
<b>Revision Log</b>	

<b>Error Messages</b>	
<b>ID</b>	<b>CLIENT_TOOLS_2</b>
<b>Description</b>	Error messages provided by the service should be clear and facilitate the solution of those errors by users or service administrators
<b>Mandatory</b>	NO
<b>Applicability</b>	Client tools.
<b>Input from Technology Provider</b>	Any error in the client tools must produce a clear error message. A possible solution/cause for it should be given.
<b>Pass/Fail Criteria</b>	<p>Pass if the errors provided by the client tools always produce a descriptive message. Errors without any message (unless a quiet option is specified) will make the criterion to fail.</p> <p>Ideally the following info is also documented/shown for all errors:</p> <ul style="list-style-type: none"> <li>• Error code</li> <li>• Error source (internal module or remote resource (specify it explicitly))</li> <li>• Cause of error (syntax error, module malfunctioning, configuration problem, network error, other (specify it explicit))</li> <li>• Type (critical, informative)</li> <li>• Possible solution</li> </ul>
<b>Related Information</b>	Requirements gathered in MS305 related to resubmission of jobs, and information provided in error messages.
<b>Revision Log</b>	

## 2 CLIENT API

<b>SAGA API Support</b>	
<b>ID</b>	<b>CLIENT_API_1</b>
<b>Description</b>	Client Appliances should be “SAGA compliant” implementations of the SAGA API
<b>Mandatory</b>	YES
<b>Applicability</b>	Client API Appliances
<b>Input from Technology Provider</b>	A Client API Capability implementations that follows the SAGA API specification, and the language binding(s) for its respective programming language(s), both syntactically and semantically.
<b>Pass/Fail Criteria</b>	The Client API Appliance provides “SAGA compliant” implementations or “partially SAGA compliant” implementations as defined in the SAGA API specification.
<b>Related Information</b>	SAGA API [R 2]
<b>Revision Log</b>	

<b>Middleware Bindings</b>	
<b>ID</b>	<b>CLIENT_API_2</b>
<b>Description</b>	TP should provide middleware bindings for accessing their products through the Client API
<b>Mandatory</b>	YES
<b>Applicability</b>	Client API Appliances
<b>Input from Technology Provider</b>	SAGA-adaptor for accessing the middleware products provided by the TP. A test-suite that assures that the SAGA-adaptor works as expected should be provided.
<b>Pass/Fail Criteria</b>	The SAGA-adaptor allows the access to the TP middleware through the SAGA API.
<b>Related Information</b>	SAGA API [R 2][R 3]
<b>Revision Log</b>	



### 3 REFERENCES

<b>R 1</b>	UMD roadmap: <a href="https://documents.egi.eu/public/ShowDocument?docid=100">https://documents.egi.eu/public/ShowDocument?docid=100</a>
<b>R 2</b>	SAGA-CORE-WG: A Simple API for Grid Applications (SAGA) v1.0 (GFD.90)
<b>R 3</b>	SAGA (A Simple API for Grid Applications): <a href="http://saga.cct.lsu.edu/">http://saga.cct.lsu.edu/</a>