

**Quality Criteria Verification**  
**Executive Summary**  
**For QCV, Stage Rollout, DMSU and EGI internal**

Name of the component	LB		
Release	emi.lb.sl5.x86_64-3.1.0	RT Ticket	3179
Software Provider	EMI		
Release Contact	Name: cristina.aiftimiei@pd.infn.it	E-Mail	cristina.aiftimiei@pd.infn.it
Validator	Name: Pablo Briongos	E-Mail	pablo.briongos@ific.uv.es
V. Hours Worked	40h		
Component status	<b>VERIFIED</b>	Date	13 <sup>th</sup> January, 2012
Verification start date	9 <sup>th</sup> January, 2012	Verification end date	13 <sup>th</sup> January, 2012

**Summary:**

The release was successfully upgraded and reconfigured from previous version.

The unique update of this release (a nagios plugin to check the operation of an L&B server) was successfully tested following the updated Test Plan. You have to install separately the nagios plugin with “rpm” command.

The product works as expected and the functionality is correct in the evaluated areas.

The documentation is updated and very detailed.

There is a complete test suite for the product (which has been successfully tested in this release).

The overall qualification of the verification phase is good.

**GGUS Tickets:**

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	17		1	18
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	7		1	8

## Quality Criteria verification cheatsheet:

### Generic QC

GENERIC_DOC_1 (Functional Description)	Y	VLD	<a href="http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf">http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf</a>
GENERIC_DOC_2 (Release Notes)	Y	VLD	In savannah ticket: <a href="https://savannah.cern.ch/task/?23047">https://savannah.cern.ch/task/?23047</a>
GENERIC_DOC_5 (API Documentation)	Y	VLD	<a href="http://egee.cesnet.cz/cvsweb/LB/LBDG.pdf">http://egee.cesnet.cz/cvsweb/LB/LBDG.pdf</a>
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	<a href="http://egee.cesnet.cz/cvsweb/LB/LBAG.pdf">http://egee.cesnet.cz/cvsweb/LB/LBAG.pdf</a>
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/LBServiceReferenceCard">https://twiki.cern.ch/twiki/bin/view/EMI/LBServiceReferenceCard</a>
GENERIC_DOC_8 (Software License)	Y	VLD	<a href="http://www.apache.org/licenses/LICENSE-2.0.html">http://www.apache.org/licenses/LICENSE-2.0.html</a>
GENERIC_DOC_9 (Release changes testing)	Y	VLD	Certified in: <a href="https://twiki.cern.ch/twiki/bin/view/EGEE/Cert">https://twiki.cern.ch/twiki/bin/view/EGEE/Cert</a>
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Source code and rpm's available in product page: <a href="http://www.eu-emi.eu/kebnekaise-products/-/a">http://www.eu-emi.eu/kebnekaise-products/-/a</a>
GENERIC_DIST_2 (Source Distribution)	Y	VLD	Available in product page
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	Available in product page
GENERIC_SERVICE_1 (Service control and status)	Y	VLD	Checked with "/etc/init.d/gLite status"
GENERIC_SERVICE_2 (Log Files)	Y	VLD	Log located under "/var/log/messages"
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	
GENERIC_SERVICE_4 (Service Robustness)	Y	VLD	
GENERIC_SERVICE_4 (Automatic Configuration)	Y	VLD	YAIM tool works fine
GENERIC_SEC_1 (World Writable Files)	Y	VLD	Tested with testsuite: <a href="http://org.glite.testsuites.ctb/LB/tests/lb-test-permissions.sh">org.glite.testsuites.ctb/LB/tests/lb-test-permissions.sh</a>
GENERIC_SEC_2 (Directory Traversal Attacks testing)	NA	VLD	Not known directory traversal vulnerability (no test provided)
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	TP (EMI) enlisted has 3rd level support in GGUS

### Security Capabilities QC

AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	Tested with "check_credentials" function in <a href="http://org.glite.testsuites.ctb/LB/tests/testsuites">org.glite.testsuites.ctb/LB/tests/testsuites</a>
AUTHN_IFACE_2 (SAML authentication)	NA	VLD	Not mandatory. SAML support not included
AUTHZ_PCYDEF_3 (Ban UserFQAN)	Y	VLD	Banning individual users isn't possible in LB
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	Tested access from a WMS
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	Authorization features controlled through config file: "/etc/glite-lb/glite-lb-authz.conf"

### Information Capabilities QC

INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y	VLD	Tested with testsuite: <a href="http://org.glite.testsuites.ctb/LB/tests/lb-test-bdii.sh">org.glite.testsuites.ctb/LB/tests/lb-test-bdii.sh</a>
INFODISC_IFACE_1 (Information Discovery Interface)	Y	VLD	Tested with testsuite: <a href="http://org.glite.testsuites.ctb/LB/tests/lb-test-bdii.sh">org.glite.testsuites.ctb/LB/tests/lb-test-bdii.sh</a>

### Operations Capabilities QC

MON_PROBE_GENERIC_2 (Service Probe)	Y	VLD	Tested with testsuite: <a href="http://org.glite.testsuites.ctb/LB/tests/lb-test-nagios-probe.sh">org.glite.testsuites.ctb/LB/tests/lb-test-nagios-probe.sh</a>
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Validator comments:

Validation went through without any error or fail.

**Not applicable Quality Criteria**

**Specific Functional Tests to be repeated in SR:**

Test number	Description	Motivation

**Specific Non-functional tests (Scalability, etc...) to be repeated in SR:**

Test number	Description	Motivation

**Comments for UMD QC definition (TSA2.2):**

- Review criteria AUTHZ\_PCYDEF\_3 (Ban UserFQAN): as it says in LB service reference card (<https://twiki.cern.ch/twiki/bin/view/EMI/LBServiceReferenceCard>), on “How to block/ban a user” section: banning individual users isn't possible in LB. So this QC should be deleted from LB verification template, as it makes no sense.
- There are a couple of Not Applicable QC's to this LB release: AUTHN\_IFACE\_2 (SAML authentication) and GENERIC\_SEC\_2 (Directory Traversal Attacks testing). Respecting to Directory Traversal Attack, there's no testsuite provided yet. And SAML is not supported yet. Review them.

**Comments for SR (TSA1.3):**

**Comments for DMSU (TSA2.5):**

**Comments for TP:**