

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

Name of the component	LB		
Release	EMI.lb.sl6.x86_64-4.0.11	RT Ticket	5799
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	15h		
Component status	VERIFIED	Date	16 th July, 2013
Verification start date	15 th July, 2013	Verification end date	16 th July, 2013

Summary:

*This *EMI-3 LB 4.0.11* bugfix release for SL6 was successfully upgraded from a previous *LB 4.0.9 EMI-3* version and configured in a Scientific Linux 6.4 (carbon) node, collocated with WMS 3.5.1 SL6 release for EMI-3.

*This release is a bugfix release, so bugfixes which could be locally tested were checked successfully.

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

*The basic job registration has been proven to work correctly with the collocated EMI-3 WMS 3.5.1 release.

*There is a complete test suite for the product.

GGUS Tickets:

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	23			23
	Specific Quality Criteria			
TP				
VLD	5		3	8

Quality Criteria verification cheatsheet:

Criteria	Accept	Tested	(Comments)
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf
GENERIC_DOC_2 (Release Notes)	Y	VLD	https://github.com/CESNET/glite-lb/wiki/Glite-lb%26b-release-page#wiki-LB_40111
GENERIC_DOC_3 (User Documentation)	Y	VLD	http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	
GENERIC_DOC_5 (API Documentation)	Y	VLD	http://egee.cesnet.cz/cvsweb/LB/LBDG.pdf
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	http://egee.cesnet.cz/cvsweb/LB/LBAG.pdf
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://twiki.cern.ch/twiki/bin/view/EMI/LBServiceReferenceCard
GENERIC_DOC_8 (Software License)	Y	VLD	http://www.apache.org/licenses/LICENSE-2.0.html
GENERIC_DOC_9 (Release changes testing)	Y	VLD	http://scientific.zcu.cz/scatter/reports/report-glite-lb_R_4_0_11_1.html
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Source code and rpm's available in product page
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	Available in product page. There are some glite files created in /opt location; this is discouraged
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	
GENERIC_SOFT_2 (New features testing)	Y	VLD	View executive summary
SERVICE CRITERIA QC			
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 in "/var/log/messages"
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	
GENERIC_SERVICE_4 (Service Robustness)	Y	VLD	
GENERIC_SERVICE_5 (Automatic Configuration)	Y	VLD	Configuration with YAIM was successful
GENERIC_SERVICE_6 (Default Password Configuration)	Y	VLD	
GENERIC_SERVICE_7 (Default Configuration)	Y	VLD	Default values on YAIM parameters indicated in: https://twiki.cern.ch/twiki/bin/view/LCG/Site-info_configuration_variables#LB
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	Tested with: find / -type f -perm -002 -exec ls -l {} \;
GENERIC_SEC_3 (Passwords in world readable files)	Y	VLD	
MISCELLANEOUS QC			
GENERIC_MISC_1 (Bug Tracking System)	Y	VLD	TP enlisted has 3rd level support in GGUS
AUTHENTICATION QC			
AUTHN_CRED_1 (X.509 Certificate support)	Y	VLD	
AUTHN_CRED_2 (SHA2 Certificate support)	NA	VLD	Optional
AUTHN_CRED_3 (RFC Proxy support)	NA	VLD	Optional
AUTHN_PROTO_1 (TLS/SSLv3 Support)	Y	VLD	
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Y	VLD	Probe included in LB Nagios
MON_PROBE_GENERIC_2 (Service Probe)	NA	VLD	Optional. State of Nagios service probes: https://twiki.cern.ch/twiki/bin/view/EMI/NagiosProbes
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command line options coherency)	Y	VLD	
CLIENT_TOOLS_2 (Error Messages)	Y	VLD	

Validator comments:

*Validation went through without any problem. We performed basic tests for the job cycle.

*These three bugfixes were certified by code review by TP:

- Stack smashing during anonymization (<https://github.com/CESNET/glite-lb/issues/16>)
- Generated JSON structures not compliant with RFC 4627 (<https://github.com/CESNET/glite-lb/issues/14>)
- Wrong dependency on glite-yaim-bdii in Debian (<https://github.com/CESNET/glite-lb/issues/13>)

*The next bugfixes were tested successfully by us:

[Typo in glite-lb-setup messes up my.cnf \(https://github.com/CESNET/glite-lb/issues/15\)](https://github.com/CESNET/glite-lb/issues/15)

```
[root@cg08 glite]# cat /etc/my.cnf
```

```
[mysqld]
innodb_flush_log_at_trx_commit=2
innodb_buffer_pool_size=500M
!includedir /etc/mysql/conf.d/
```

[glite-lb-utils misses dependency on glite-lb-state-machine-plugins \(#101224\) \(https://github.com/CESNET/glite-lb/issues/12\)](https://github.com/CESNET/glite-lb/issues/12)

The dependency is solved. Now you can use *glite-lb-statistics* command.

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):

Comments for SR (TSA1.3):

Comments for DMSU (TSA2.5):

Comments for TP: