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

Name of the component	EMI.lb.sl6.x86_64-4.0.4		
Release	12/03/13	RT Ticket	5117
Software Provider	EMI-3		
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	20h		
Component status	**VERIFIED**	Date	27th March, 2013
Verification start date	14th March, 2013	Verification end date	27th March, 2013

Summary:

*EMI-3 LB 4.0.4 SL6, first release of LB in EMI-3, was successfully installed from scratch and configured in a clean Scientific Linux 6.3 (carbon) node, collocated with WMS 3.5.0 SL6 release for EMI-3.

*As this release is a new major one, we checked all the QC's and the results were fine. We also performed basic tests to test the compatibility with other EMI products and results were fine too:

-EMI1 UI SL5
-EMI2 UI SL6
-EMI2 VOMS
-EMI2 CE & WN
-EMI2 myproxy

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

*The documentation is updated with the new features information.

*There is a complete test suite for the product.

*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
TP				
VLD	23			23
	Specific Quality Criteria			
TP				
VLD	5		3	8

Quality Criteria verification cheatsheet:

DOCUMENTATION QC

GENERIC_DOC_1 (Functional Description)	Y	VLD	http://egee.cesnet.cz/cvsweb/LB/LBUG.pdf
GENERIC_DOC_2 (Release Notes)	Y	VLD	In EMI3 product page: http://www.eu-emi.eu/releases/emi-3-montebianco/products/-/asset_publisher/5dKm/content/l%26b-2
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	https://twiki.cern.ch/twiki/bin/view/EGEE/TestReportForLBEMI3FinalRC#Review_of_Linked_Bugs

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 (TLSSSLv3 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 error, excepting *glite-lb-statistics* command. When we execute it, we get this:

[root@cg08 ~]# glite-lb-statistics

lb_statistics: can't load L&B plugin (glite_lb_plugin.so: cannot open shared object file: No such file or directory)

*Apart from this minor issue, there are five new functionalities/features in this major release:

- Service migration documentation for LB → Information is complete and correct.
- Debian 6 platform support for gLite-gsoap/gss
- Debian 6 platform support for LB
- EMIR rollout for LB
- Virtual appliance monitoring in LB

New features related to Debian 6 compatibility, EMIR or virtual appliances can't be tested.

*And relating to backwards incompatibility, DB schema has changed (a DB migration script is available, but it will be initiated automatically by YAIM, if it doesn't execute, it needs to be started manually).

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:

-Review statistics problem