

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

Name of the component			
Release	emi.lcg-util.sl5.x86_64-1.12.0	RT Ticket	#3688
Software Provider			
Release Contact	Name: Cristina Aiftimiei	E-Mail: cristina.aiftimiei@pd.infn.it	
Validator	Name: Esteban Freire García	E-Mail: esfreire@cesga.es	
V. Hours Worked	4		
Component status	Verified	Date	08/05/12
Verification start date	08/05/12	Verification end date	08/05/12

Summary:

emi.lcg-util.sl5.x86_64-1.12.0 was updated from UMD repository and the UI in verification was configured without problems after this change.

GGUS Tickets:

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	9			9
	Specific Quality Criteria			
TP				
VLD	1			1

Quality Criteria verification cheatsheet:

Criteria	Accepted	Tested	Comments
Generic QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/lr6q/content/update-15-23-04-2012#GFAL_lcg_util_v_1_12_0_task_2608
GENERIC_DOC_2 (Release Notes)	Y	VLD	http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/lr6q/content/update-15-23-04-2012#GFAL_lcg_util_v_1_12_0_task_2608
GENERIC_DOC_3 (User Documentation)	Y	VLD	https://twiki.cern.ch/twiki/pub/EMI/EMIui/EMI_UI_v1_0_0_0.pdf
GENERIC_DOC_4 (Online help (man pages))			
GENERIC_DOC_5 (API Documentation)			
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	https://twiki.cern.ch/twiki/pub/EMI/EMIui/EMI_UI_v1_0_0_0.pdf
GENERIC_DOC_8 (Software License)	Y	VLD	emi-ui: Apache Software License ARC Clients: Apache 2.0
GENERIC_DOC_9 (Release changes testing)	Y	VLD	
GENERIC_DIST_1 (Source Code Availability)			http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/lr6q/content/update-15-23-04-2012#GFAL_lcg_util_v_1_12_0_task_2608
GENERIC_DIST_2 (Source Distribution)	Y	VLD	http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/SRPMS/base/repoview/emi-ui.html
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/x86_64/updates/CGSI_gSOAP_2.7-voms-1.3.5-1.sl5.x86_64.rpm
GENERIC_SERVICE_4 (Automatic Configuration)	Y	VLD	http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/SRPMS/base/repoview/emi-ui.html
GENERIC_MISC_2 (Bug Tracking System)			

Security Capabilities QC

AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	Read Ex Summary
AUTHN_IFACE_2 (SAML authentication)	Optional		

Validator comments:

EMI.lcg-util.sl5.x86_64-1.12.0 was updated from UMD using the following repository:

```

{{{
[root@test13 yum.repos.d]# cat EMI.lcg-util.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(3688,456,382)

```

```

[EMI.lcg-util.sl5.x86_64]
name=EMI.lcg-util.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.lcg-util.sl5.x86_64/1/12/0/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/1/RPM-GPG-KEY-emi
}}

```

* INSTALLATION:

* yum update

{{{

```
May 08 13:13:33 Updated: openssl-0.9.8e-22.el5_8.3.x86_64
May 08 13:13:36 Updated: nordugrid-arc-1.1.1-1.el5.x86_64
May 08 13:13:38 Updated: lcgdm-libs-1.8.3-1.el5.x86_64
May 08 13:13:39 Updated: popt-1.10.2.3-28.el5_8.x86_64
May 08 13:13:40 Updated: is-interface-1.12.2-1.sl5.x86_64
May 08 13:13:40 Updated: gridftp-ifce-2.1.4-1.sl5.x86_64
May 08 13:13:41 Updated: lfc-libs-1.8.3-1.el5.x86_64
May 08 13:13:42 Updated: 2:libpng-1.2.10-17.el5_8.x86_64
May 08 13:13:43 Updated: dpm-libs-1.8.3-1.el5.x86_64
May 08 13:13:44 Updated: nordugrid-arc-plugins-globus-1.1.1-1.el5.x86_64
May 08 13:13:46 Updated: nordugrid-arc-plugins-needed-1.1.1-1.el5.x86_64
May 08 13:13:47 Updated: freetype-2.2.1-31.el5_8.1.x86_64
May 08 13:13:49 Updated: libtiff-3.8.2-14.el5_8.x86_64
May 08 13:13:52 Updated: globus-common-14.5-4.el5.i386
May 08 13:13:55 Updated: openssl-0.9.8e-22.el5_8.3.i686
May 08 13:13:56 Updated: globus-gsi-openssl-error-2.1-2.el5.i386
May 08 13:13:57 Updated: globus-gsi-proxy-ssl-4.1-2.el5.i386
May 08 13:13:58 Updated: globus-gsi-sysconfig-5.1-2.el5.i386
May 08 13:13:58 Updated: globus-openssl-module-3.1-2.el5.i386
May 08 13:13:59 Updated: globus-gsi-cert-utils-8.1-2.el5.i386
May 08 13:14:00 Updated: globus-gsi-callback-4.1-2.el5.i386
May 08 13:14:02 Updated: globus-gsi-credential-5.1-2.el5.i386
May 08 13:14:03 Updated: globus-gsi-proxy-core-6.1-2.el5.i386
May 08 13:14:04 Updated: globus-gssapi-gsi-10.2-2.el5.i386
May 08 13:14:05 Updated: globus-callout-2.1-2.el5.i386
May 08 13:14:05 Updated: globus-gss-assist-8.1-2.el5.i386
May 08 13:14:06 Updated: CGSI_gSOAP_2.7-1.3.5-1.sl5.x86_64
May 08 13:14:08 Updated: srm-ifce-1.1.0-3.sl5.x86_64
May 08 13:14:12 Updated: gfal-1.12.0-3.sl5.x86_64
May 08 13:14:14 Updated: lcg-util-1.11.21-1.sl5.x86_64
May 08 13:14:15 Updated: 2:libpng-1.2.10-17.el5_8.i386
May 08 13:14:16 Updated: libtiff-3.8.2-14.el5_8.i386
May 08 13:14:17 Updated: freetype-2.2.1-31.el5_8.1.i386
May 08 13:14:18 Updated: lcg-util-py26-1.11.21-1.sl5.x86_64
May 08 13:14:19 Updated: gfal-py26-1.12.0-3.sl5.x86_64
May 08 13:14:21 Updated: nordugrid-arc-client-1.1.1-1.el5.x86_64
May 08 13:14:21 Updated: nordugrid-arc-java-1.1.1-1.el5.x86_64
May 08 13:14:23 Updated: nordugrid-arc-python-1.1.1-1.el5.x86_64
May 08 13:14:30 Updated: openssl-devel-0.9.8e-22.el5_8.3.x86_64
May 08 13:15:05 Installed: kernel-2.6.18-308.4.1.el5.x86_64
May 08 13:15:05 Updated: emi-version-1.11.0-1.sl5.x86_64
May 08 13:15:06 Updated: rpm-libs-4.4.2.3-28.el5_8.x86_64
May 08 13:15:08 Updated: rpm-4.4.2.3-28.el5_8.x86_64
May 08 13:15:10 Updated: rpm-python-4.4.2.3-28.el5_8.x86_64
```

}}}

* CONFIGURATION (NOT NEEDED, but done for a better testing) - OK

* Yaim script was used for UI configuration, this is the site-info.def:

{{{

WMS_HOST=test22.\$MY_DOMAIN

LB_HOST=test22.\$MY_DOMAIN

RB_HOST=tst04.ific.uv.es

PX_HOST=myproxy.egi.cesga.es

BDII_HOST=topbdii02.ncg.ingrid.pt

BDII_LIST="topbdii02.ncg.ingrid.pt:2170"

CE_HOST=test06.egi.cesga.es

SITE_BDII_HOST=sbdii02.ncg.ingrid.pt

YAIM_LOGGING_LEVEL=DEBUG

LFC_HOST=test09.egi.cesga.es

LFC_CENTRAL="ops.vo.ibergrid.eu iber.vo.ibergrid.eu"

SITE_EMAIL=egee-admin@cesga.es

#New yaim 3.0.1

SITE_SUPPORT_EMAIL=\$SITE_EMAIL

SITE_NAME=UMD-VERIFICATION

SITE_LOC="Santiago de Compostela, Spain"

SITE_LAT=42.875558 #42.8757 # -90 to 90 degrees

SITE_LONG=-8.553147 #-8.5536 # -180 to 180 degrees

SITE_WEB="http://www.egee.cesga.es"

SITE_TIER="TIER 2"

DPM_HOST="test08.egi.cesga.es" # my-dpm.\$MY_DOMAIN

DPMPOOL=egi-pool

DPM_FILESYSTEMS="\$DPM_HOST:/storage"

DPM_DB_USER=dpm_user

SE_LIST="\$DPM_HOST"

SE_ARCH="multidisk" # "disk, tape, multidisk, other"

VOS="atlas alice lhcb cms dteam biomed"

Space separated list of supported VOs by your site

VOS="ops dteam ops.vo.ibergrid.eu iber.vo.ibergrid.eu"

QUEUES="GRID_ops GRID_dteam GRID_opsibeu GRID_iberibeu"

VO_SW_DIR=/opt/exp_soft

#New in Yaim 3.0.1

GRID_OPS_GROUP_ENABLE="ops /VO=ops/GROUP=/ops/ROLE=lcgadmin
/VO=ops/GROUP=/ops/ROLE=pilot"

GRID_DTEAM_GROUP_ENABLE="dteam
/VO=dteam/GROUP=/dteam/ROLE=lcgadmin"

GRID_OPSIBEU_GROUP_ENABLE="ops.vo.ibergrid.eu
/VO=ops.vo.ibergrid.eu/GROUP=/ops.vo.ibergrid.eu/ROLE=VO-Admin
/VO=ops.vo.ibergrid.eu/GROUP=/ops.vo.ibergrid.eu/ROLE=Production"

GRID_IBERIBEU_GROUP_ENABLE="iber.vo.ibergrid.eu
/VO=iber.vo.ibergrid.eu/GROUP=/iber.vo.ibergrid.eu/ROLE=VO-Admin
/VO=iber.vo.ibergrid.eu/GROUP=/iber.vo.ibergrid.eu/ROLE=Production"

#:::~::~:

#ops

#:::~::~:

VO_OPS_SW_DIR=\$VO_SW_DIR/ops

VO_OPS_DEFAULT_SE=\$DPM_HOST

VO_OPS_STORAGE_DIR=\$CLASSIC_STORAGE_DIR/ops

VO_OPS_QUEUES="GRID_ops"

VO_OPS_VOMS_SERVERS="vomss://voms.cern.ch:8443/voms/ops?/ops/"

VO_OPS_VOMSES=""ops voms.cern.ch 15009
/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch ops""

VO_OPS_VOMS_CA_DN=""/DC=ch/DC=cern/CN=CERN Trusted Certification
Authority' '/DC=ch/DC=cern/CN=CERN Trusted Certification Authority""

#:::~::~:

#dteam

#:::~::~:

VO_DTEAM_SW_DIR=\$VO_SW_DIR/dteam

VO_DTEAM_DEFAULT_SE=\$DPM_HOST

VO_DTEAM_STORAGE_DIR=\$CLASSIC_STORAGE_DIR/dteam

VO_DTEAM_QUEUES="GRID_dteam"

VO_DTEAM_VOMS_SERVERS='vomss://voms.hellasgrid.gr:8443/voms/dteam?/dteam/'

VO_DTEAM_VOMSES=""dteam lcg-voms.cern.ch 15004 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch dteam 24' 'dteam voms.cern.ch 15004 /DC=ch/DC=cern/OU=computers/CN=voms.cern.ch dteam 24' 'dteam voms.hellasgrid.gr 15004 /C=GR/O=HellasGrid/

OU=hellasgrid.gr/CN=voms.hellasgrid.gr dteam 24' 'dteam voms2.hellasgrid.gr 15004 /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr dteam 24'"

VO_DTEAM_VOMS_CA_DN=""/DC=ch/DC=cern/CN=CERN Trusted Certification Authority' '/DC=ch/DC=cern/CN=CERN Trusted Certification Authority' '/C=GR/O=HellasGrid/OU=Certification Authorities/CN=HellasGrid CA 2006' '/C=GR/O=HellasGrid/OU=Certif

ication Authorities/CN=HellasGrid CA 2006'"

IBERGRID VOS

ops.vo.ibergrid.eu

VO_OPS_VO_IBERGRID_EU_SW_DIR=\$VO_SW_DIR/opsibeu

VO_OPS_VO_IBERGRID_EU_DEFAULT_SE=\$DPM_HOST

VO_OPS_VO_IBERGRID_EU_STORAGE_DIR=\$CLASSIC_STORAGE_DIR/opsibeu

VO_OPS_VO_IBERGRID_EU_QUEUES="GRID_opsibeu"

VO_OPS_VO_IBERGRID_EU_VOMS_SERVERS=""vomss://voms02.ncg.ingrid.pt:8443/voms/ops.vo.ibergrid.eu?/ops.vo.ibergrid.eu"

VO_OPS_VO_IBERGRID_EU_VOMSES=""ops.vo.ibergrid.eu voms02.ncg.ingrid.pt 40001 /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=voms02.ncg.ingrid.pt ops.vo.ibergrid.eu"

```
VO_OPS_VO_IBERGRID_EU_VOMS_CA_DN=""/C=PT/O=LIPCA/CN=LIP
Certification Authority"
```

```
# iber.vo.ibergrid.eu
```

```
VO_IBER_VO_IBERGRID_EU_SW_DIR=$VO_SW_DIR/iberibeu
```

```
VO_IBER_VO_IBERGRID_EU_DEFAULT_SE=$DPM_HOST
```

```
VO_IBER_VO_IBERGRID_EU_STORAGE_DIR=$CLASSIC_STORAGE_DIR/iberi
beu
```

```
VO_IBER_VO_IBERGRID_EU_QUEUES="GRID_iberibeu"
```

```
VO_IBER_VO_IBERGRID_EU_VOMS_SERVERS=""vomss://voms02.ncg.ingrid.pt:8
443/voms/iber.vo.ibergrid.eu?/iber.vo.ibergrid.eu"
```

```
VO_IBER_VO_IBERGRID_EU_VOMSES=""iber.vo.ibergrid.eu voms02.ncg.ingrid.pt
40003 /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=voms02.ncg.ingrid.pt
iber.vo.ibergrid.eu"
```

```
VO_IBER_VO_IBERGRID_EU_VOMS_CA_DN=""/C=PT/O=LIPCA/CN=LIP
Certification Authority"
```

```
}}}
```

```
* After these changes it was executed yaim:
```

```
{{{
```

```
[root@test13 etc]# /opt/glite/yaim/bin/yaim -c -s site-info.def -n UI
```

```
[ .... ]
```

```
}}}
```

```
== TEST ==
```

```
{{{
```

```
[esfreire@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es esfreire13
2012-05-08 13:24:10,950 NOTICE - Proxy with delegation id [esfreire13] succesfully
delegated to endpoint [https://test06.egi.cesga.es:8443//ce-cream/services/gridsite-
delegation]
```

```
[esfreire@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es esfreire13
2012-05-08 13:24:25,923 NOTICE - Proxy with delegation id [esfreire13] succesfully
renewed to endpoint [https://test06.egi.cesga.es:8443//ce-cream/services/gridsite-
delegation]
```



```
[esfreire@test13 ~]$ glite-ce-job-submit -D esfreire13 -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops testCream1.jdl
https://test06.egi.cesga.es:8443/CREAM367617868
```

```
[esfreire@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM367617868
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM367617868]
        Status    = [DONE-OK]
        ExitCode   = [0]
```

```
[root@se2 tmp]# ll
total 4
-rw-r--r-- 1 opssgm004 opssgm 0 May  8 13:25 esfreire.err
-rw-r--r-- 1 opssgm004 opssgm 20 May  8 13:25 esfreire.out
```

```
}}}
```

```
{}}
[esfreire@test13 ~]$ globus-url-copy file:/home/esfreire/fich.tar
gsiftp://se2.egee.cesga.es/tmp/borrar.out
```

```
[root@se2 tmp]# ll
total 1316
-rw-r--r-- 1 opssgm004 opssgm 1341440 May  8 15:01 borrar.out
```

```
[root@se2 ~]# ll /tmp/borrar.out
-rw-r--r-- 1 opssgm005 opssgm 1341440 Dec  7 11:59 /tmp/borrar.out
```

```
}}}
```

```
{}}}
```

```
[esfreire@test13 ~]$ echo $LCG_GFAL_INFOSYS
```

```
topbdii02.ncg.ingrid.pt:2170
```

```
export LFC_HOST=test08.egi.cesga.es
```

```
export DPM_HOST=test08.egi.cesga.es
```

```
export DPNS_HOST=test08.egi.cesga.es
```

```
}}}
```

```
{}}}
```

```
/dpm/egi.cesga.es/home/ops
```

```
}}}
```

```
{{{
```

```
[esfreire@test13 ~]$ lfc-ls -l /dpm/egi.cesga.es/home/ops
-rw-rw-r-- 1 101 101 122 Jun 09 2011 file1
drwxrwxr-x 238 root 101 0 May 01 04:46 generated
drwxrwxr-x 0 101 101 0 Jan 02 16:51 mygoodtest
drwxrwxr-x 0 102 107 0 Mar 21 13:09 mygoodtest2
drwxrwxr-x 0 101 101 0 Jun 09 2011 mytest
drwxrwxr-x 0 101 101 0 Jun 13 2011 mytest2
drwxrwxr-x 0 102 107 0 Dec 07 13:04 mytest4
drwxrwxr-x 0 101 101 0 Mar 01 12:23 mytest5
drwxrwxr-x 0 102 107 0 Mar 27 12:42 mytest7
drwxrwxr-x 0 101 101 0 Mar 01 16:37 mytestt
```

```
[esfreire@test13 ~]$ dpns-ls /dpm/egi.cesga.es/home/ops
file1
generated
mygoodtest
mygoodtest2
mytest
mytest2
mytest5
mytest7
mytestt
```

```
[esfreire@test13 ~]$ dpns-mkdir /dpm/egi.cesga.es/home/ops/mytest4
```

```
[esfreire@test13 ~]$ dpns-ls /dpm/egi.cesga.es/home/ops
```

```
file1
generated
mytest
mytest2
mytest4
}}}
```

```
{{{
```

```
lcg-cr -v --vo ops file:/home/esfreire/fich.tar -l lfn: -d test08.egi.cesga.es
```

```
Using grid catalog type: lfc
Using grid catalog : test08.egi.cesga.es
Checksum type: None
SE type: SRMv2
```

Destination SURL :
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2011-06-09/file41683e02-6eb3-4da3-8929-d1c4f69318cd
Source SRM Request Token: 618f0760-f3d2-4f53-847b-0d8d22a6aae7
Source URL: file:/home/asimon/test.sh
File size: 122
VO name: ops
Destination specified: test08.egi.cesga.es
Destination URL for copy:
gsiftp://test08.egi.cesga.es/test08.egi.cesga.es:/storage/ops/2011-06-09/file41683e02-6eb3-4da3-8929-d1c4f69318cd.1.0
streams: 1
GSIFTP: default set up URL mode
GSIFTP: dest: set up FTP mode. DCAU disabled. Streams = 1, Tcp BS = 0
0 bytes 0.00 KB/sec avg 0.00 KB/sec inst
0 bytes 0.00 KB/sec avg 0.00 KB/sec inst
Transfer took 1010 ms
Using grid catalog type: lfc
Using grid catalog : test08.egi.cesga.es
Site URL to be registered:
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2011-06-09/file41683e02-6eb3-4da3-8929-d1c4f69318cd
File size: 122
Using LFN: lfn:/dpm/egi.cesga.es/home/ops/file1
Using GUID: guid:3c410c29-391d-44cb-8cfd-34e5799f46a3
Registering LFN: /dpm/egi.cesga.es/home/ops/file1 (3c410c29-391d-44cb-8cfd-34e5799f46a3)
Registering SURL:
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2011-06-09/file41683e02-6eb3-4da3-8929-d1c4f69318cd (3c410c29-391d-44cb-8cfd-34e5799f46a3)
guid:3c410c29-391d-44cb-8cfd-34e5799f46a3
}}}

```
[[[
[esfreire@test13 ~]$ lcg-ls --vo ops lfn:/dpm/egi.cesga.es/home/ops/
file1
generated
mygoodtest
mygoodtest2
mytest
mytest2
mytest4
mytest5
mytest7
mytest8
mytestt
test_esfreire
]]]
```

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 xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

Comments for DMSU (TSA2.5):

Comments for TP: