

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

Name of the component			
Release	<b>EMI.lcg-util.sl5.x86_64-1.11.19</b>	RT Ticket	#3186
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	<b>Verified</b>	Date	
Verification start date	05/12/11	Verification end date	07/12/11

**Summary:**

**EMI.lcg-util.sl5.x86\_64-1.11.19** 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
<b>TP</b>				
<b>VLD</b>	9			9
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	1			1

### Quality Criteria verification cheatsheet:

Criteria	Accepted	Tested	Comments
<b>Generic QC</b>			
GENERIC_DOC_1 (Functional Description)	Y	VLD	<a href="http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/r6q/content/update-10-24-11-2011#GFAL_lcg_util_v_1_11_19_task_225">http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/r6q/content/update-10-24-11-2011#GFAL_lcg_util_v_1_11_19_task_225</a>
GENERIC_DOC_2 (Release Notes)	Y	VLD	<a href="http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/r6q/content/update-10-24-11-2011#GFAL_lcg_util_v_1_11_19_task_225">http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/r6q/content/update-10-24-11-2011#GFAL_lcg_util_v_1_11_19_task_225</a>
GENERIC_DOC_3 (User Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/EMIui/EMI_UI_v1_0_0_0.pdf">https://twiki.cern.ch/twiki/pub/EMI/EMIui/EMI_UI_v1_0_0_0.pdf</a>
GENERIC_DOC_4 (Online help (man pages))			
GENERIC_DOC_5 (API Documentation)			
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/EMIui/EMI_UI_v1_0_0_0.pdf">https://twiki.cern.ch/twiki/pub/EMI/EMIui/EMI_UI_v1_0_0_0.pdf</a>
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	<a href="http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/r6q/content/update-10-24-11-2011#GFAL_lcg_util_v_1_11_19_task_225">http://www.eu-emi.eu/emi-1-kebnekaise-updates/-/asset_publisher/r6q/content/update-10-24-11-2011#GFAL_lcg_util_v_1_11_19_task_225</a>
GENERIC_DIST_1 (Source Code Availability)			
GENERIC_DIST_2 (Source Distribution)	Y	VLD	<a href="http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/SRPMS/base/repoview/emi-ui.html">http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/SRPMS/base/repoview/emi-ui.html</a>
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	<a href="http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/x86_64/updates/gfal-1.11.19-3.sl5.x86_64.rpm">http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/x86_64/updates/gfal-1.11.19-3.sl5.x86_64.rpm</a>
GENERIC_SERVICE_4 (Automatic Configuration)	Y	VLD	<a href="http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/SRPMS/base/repoview/emi-ui.html">http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/SRPMS/base/repoview/emi-ui.html</a>
GENERIC_MISC_2 (Bug Tracking System)			
<b>Security Capabilities QC</b>			
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\_64-1.11.19 was updated from UMD using the following repository:

{{{

```
[root@test13 yum.repos.d]# wget http://admin-repo.egi.eu/sw/unverified/emi.lcg-util.sl5.x86_64/1/11/19/repofiles/EMI.lcg-util.sl5.x86_64.repo
```

```
}}
```

```
{{{
```

```
[root@test13 yum.repos.d]# cat EMI.lcg-util.sl5.x86_64.repo
```

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -  
(3186,401,322)
```

```
[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_64/1/11/19/
```

```
enabled=1
```

```
protect=1
```

```
gpgcheck=1
```

```
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/1/RPM-GPG-KEY-emi
```

```
}}
```

INSTALLATION:

```
# yum update lcg_util
```

Installed packages:

```
{{{
```

```
Dec 05 17:31:26 Updated: srm-ifce-1.1.0-1.sl5.x86_64
```

Dec 05 17:31:27 Updated: is-interface-1.1.3-1.sl5.x86\_64

Dec 05 17:31:30 Updated: gfal-py26-1.11.19-3.sl5.x86\_64

Dec 05 17:31:31 Updated: gridftp-ifce-2.1.1-1.sl5.x86\_64

Dec 05 17:31:34 Updated: gfal-1.11.19-3.sl5.x86\_64

Dec 05 17:31:36 Updated: lcg-util-py26-1.11.19-3.sl5.x86\_64

Dec 05 17:31:40 Updated: lcg-util-1.11.19-3.sl5.x86\_64

Dec 05 17:31:41 Updated: emi-version-1.6.0-1.sl5.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/iberibeu

VO\_IBER\_VO\_IBERGRID\_EU\_QUEUES="GRID\_iberibeu"

VO\_IBER\_VO\_IBERGRID\_EU\_VOMS\_SERVERS="vomss://voms02.ncg.ingrid.pt:8443/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"



}}}

ops.vo.ibergrid.eu and iber.vo.ibergrid.eu VOs were included from verification VOMS server installed at LIP. (voms02.ncg.ingrid.pt)

LB and WMS were configured at CESGA(test22.egi.cesga.es)

TopBDII was configured for verification in topbdii02.ncg.ingrid.pt.

After these changes it was executed yaim:

{{{

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

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

```
/etc/grid-security/vomsdir/iber.vo.ibergrid.eu/voms02.ncg.ingrid.pt.lsc
```

```
INFO: Executing function: config_add_pool_env_setenv
```

```
DEBUG: Currently this function doesn't set any environment variables.
```

```
INFO: Executing function: config_add_pool_env
```

```
DEBUG: Creating links for the grid enviroment in /etc/profile.d/
```

```
INFO: Configuration Complete. [ OK ]
```

```
INFO: YAIM terminated succesfully.
```

}}}

== TEST ==

```
[esfreire@test13 ~]$ voms-proxy-init --voms ops:/ops/Role=lcgadmin
```

Enter GRID pass phrase:

Your identity: /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez

Creating temporary proxy ..... Done

Contacting voms.cern.ch:15009 [/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch]  
"ops" Done

Creating proxy ..... Done

Your proxy is valid until Tue Dec 6 05:43:41 2011

{{{

```
[esfreire@test13 ~]$ glite-wms-job-list-match -a lanzar_gromacs.jdl
```

Connecting to the service [https://test22.egi.cesga.es:7443/glite\\_wms\\_wmproxy\\_server](https://test22.egi.cesga.es:7443/glite_wms_wmproxy_server)

=====

#### COMPUTING ELEMENT IDs LIST

The following CE(s) matching your job requirements have been found:

\*CEId\*

- test06.egi.cesga.es:8443/cream-sge-ops  
- test06.egi.cesga.es:8443/cream-sge-ops

=====

[esfreire@test13 ~]\$ glite-wms-job-submit -a -o gromacs.job lanzar\_gromacs.jdl

Connecting to the service [https://test22.egi.cesga.es:7443/glite\\_wms\\_wmproxy\\_server](https://test22.egi.cesga.es:7443/glite_wms_wmproxy_server)

===== glite-wms-job-submit Success  
=====

The job has been successfully submitted to the WMPProxy

Your job identifier is:

[https://test22.egi.cesga.es:9000/YZ94V5aKTJ3\\_wYwZjYz0Jg](https://test22.egi.cesga.es:9000/YZ94V5aKTJ3_wYwZjYz0Jg)

The job identifier has been saved in the following file:

/home/esfreire/gromacs.job

=====

}}}

```
[esfreire@test13 ~]$ glite-ce-delegate-proxy -e sa3-ce.egee.cesga.es esfreire
```

```
2011-12-05 17:48:30,095 NOTICE - Proxy with delegation id [esfreire] succesfully
delegated to endpoint [https://sa3-ce.egee.cesga.es:8443//ce-cream/services/gridsite-
delegation]
```

```
[esfreire@test13 ~]$ glite-ce-proxy-renew -e sa3-ce.egee.cesga.es esfreire
```

```
2011-12-05 17:49:02,144 NOTICE - Proxy with delegation id [esfreire] succesfully
renewed to endpoint [https://sa3-ce.egee.cesga.es:8443//ce-cream/services/gridsite-
delegation]
```

```
{{{
```

```
[esfreire@test13 ~]$ globus-url-copy file:/home/esfreire/fich.tar
gsiftp://se2.egee.cesga.es/tmp/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 63 root 101 0 Jun 08 2011 generated
drwxrwxr-x 0 101 101 0 Jun 09 2011 mytest
drwxrwxr-x 0 101 101 0 Jun 13 13:09 mytest2
```

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

file1

generated

mytest

mytest2

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

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

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

file1

generated

mytest

mytest2

mytest4

```
[esfreire@test13 ~]$ export LFC_HOME=/dpm/egi.cesga.es/home/ops
```

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

file1

generated

mytest

mytest2

mytest4

[esfreire@test13 ~]\$

[esfreire@test13 ~]\$ lfc-ls

file1

generated

mytest

mytest2

mytest4

lcg-cr -v --vo ops file:/home/esfreire/fich.tar -l lfn:/dpm/egi.cesga.es/home/ops/file5 -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:/grid/ops



SAM

file-lfc-probe-lfc.egee.cesga.es

generated

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

topbdii02.ncg.ingrid.pt

```
[esfreire@test13 ~]$ export
```

```
LCG_GFAL_INFOSYS=topbdii02.ncg.ingrid.pt,sbdii02.ncg.ingrid.pt
```

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

topbdii02.ncg.ingrid.pt,sbdii02.ncg.ingrid.pt

```
[esfreire@test13 ~]$ lcg-ls --vo ops lfn:/grid/ops
```

SAM

file-lfc-probe-lfc.egee.cesga.es

generated

}}}

**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:**