

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

Name of the component			
Release	EMI.emi-wn.sl6.x86_64-2.0.2	RT Ticket	#5618
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	
Verification start date	29/05/13	Verification end date	29/05/13

Summary:

EMI.emi-wn.sl6.x86_64-2.0.2 was installed from scratch without any relevant issue.

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	18			18
	Specific Quality Criteria			
TP				
VLD	18			18

Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N)	Tested (TP/VLD)	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Optional		
GENERIC_DOC_2 (Release Notes)	Y	VLD	https://twiki.cern.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_3 (User Documentation)	Y	VLD	https://twiki.cern.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	https://twiki.cern.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_5 (API Documentation)	Y	VLD	https://twiki.cern.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	https://twiki.cern.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://twiki.cern.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_8 (Software License)	Y	VLD	
GENERIC_DOC_9 (Release changes testing)	Y	VLD	https://rt.egi.eu/rt/Ticket/Display.html?id=5618
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	
GENERIC_SOFT_2 (New features testing)	Y	VLD	
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and status)	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Optional		
GENERIC_SERVICE_4 (Service Robustness)	Optional		
GENERIC_SERVICE_5 (Automatic Configuration)	Optional		
GENERIC_SERVICE_6 (Default Password Configuration)	Y	VLD	
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_3 (Passwords in world readable files)	Y	VLD	
MISCELLANEOUS QC			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	GGUS
AUTHENTICATION QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
AUTHN_DELEG_1 (Delegation Interface)	Y	VLD	
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban User/FQAN)	Y	VLD	
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	
AUTHZ_PEP_2 (User Mapping)	Y	VLD	
JOB EXECUTION QC			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD	
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	
JOBEXEC_JOB_2 (Simple Job with input/output)	Y	VLD	
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	
JOBEXEC_EXECMNGR_1 (Not Invasive Dependencies)	Y	VLD	
JOBEXEC_EXECMNGR_2 (Job Management)	Y	VLD	
JOBEXEC_EXECMNGR_3 (Information Retrieval)	Y	VLD	
JOBEXEC_AVAIL_1 (Service Redundancy)	Y	VLD	
JOBEXEC_AVAIL_2 (Self Disabling Mechanism)	Optional		
JOBEXEC_AVAIL_4 (Timely Job Status Update)	Optional		
PARALLEL JOB QC			
PARALLEL_JOB_1 (Simple parallel job submission)	Y	VLD	
PARALLEL_JOB_2 (Single machine parallel job submission)	Optional		
PARALLEL_JOB_3 (Fine grained mapping parallel job submission)	Optional		
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime)	Optional		
MON_PROBE_GENERIC_2 (Service Probe)	Optional		
MON_PROBE_JOBEXEC_1 (Job Execution Frequency)	Y	VLD	
MON_PROBE_JOBEXEC_2 (CREAM Job Execution)	Y	VLD	
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances)	Y	VLD	
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command line Options color)	Optional		
CLIENT_TOOLS_2 (Error Messages)	Optional		

Validator comments:

== EMI.emi-wn.sl6.x86_64-2.0.2 =

=== Ticket assigned ===

* [<https://rt.egi.eu/rt/Ticket/Display.html?id=5618>]

=== Repositories ===

(!) Verifier must install a new repo for each product, this information is available at RT ticket field:

* WN repo

{

[root@test14 yum.repos.d]# cat EMI.emi-wn.sl6.x86_64.repo

EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) - (5618,1147,1073)

[EMI.emi-wn.sl6.x86_64]

name=EMI.emi-wn.sl6.x86_64

baseurl=http://admin-repo.egi.eu/sw/unverified/umd-2.emi.emi-wn.sl6.x86_64/2/0/2/

enabled=1

protect=1

priority=1

gpgcheck=1

gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RPM-GPG-KEY-emi

}

== yum installation OK ==

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Updating:

emi-version	x86_64	2.8.1-1.sl6
EMI.emi-wn.sl6.x86_64	2.2 k	
emi-wn	x86_64	2.0.1-1.el6
EMI.emi-wn.sl6.x86_64	3.4 k	
gfal	x86_64	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	120 k	

gfal-python	x86_64	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	37 k	
gridftp-ifce	x86_64	2.3.1-0.el6
EMI.emi-wn.sl6.x86_64	14 k	
is-interface	x86_64	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	46 k	
lcg-util	x86_64	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	72 k	
lcg-util-libs	x86_64	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	54 k	
lcg-util-python	x86_64	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	35 k	
srm-ifce	x86_64	1.15.2-1.el6
EMI.emi-wn.sl6.x86_64	145 k	
Installing for dependencies:		
CGSI-gSOAP	i386	1.3.5-2.el6
EMI.emi-wn.sl6.x86_64	39 k	
cyrus-sasl-lib	i686	2.1.23-13.el6_3.1
sl	135 k	
db4	i686	4.7.25-17.el6
sl	579 k	
dcap-libs	i386	2.47.7-1.el6
EMI.emi-wn.sl6.x86_64	83 k	
dpm-libs	i386	1.8.6-1.el6
EMI.emi-wn.sl6.x86_64	137 k	
expat	i686	2.0.1-11.el6_2
sl	78 k	
fuse	x86_64	2.8.3-4.el6
sl	70 k	
fuse-libs	x86_64	2.8.3-4.el6
sl	73 k	
gamin	i686	0.1.10-9.el6
sl	119 k	
gfal	i386	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	127 k	
gfal2-all	x86_64	2.2.0-1.el6
EMI.emi-wn.sl6.x86_64	6.9 k	
gfal2-core	x86_64	2.2.0-1.el6
EMI.emi-wn.sl6.x86_64	39 k	
gfal2-plugin-dcap	x86_64	2.2.0-1.el6
EMI.emi-wn.sl6.x86_64	13 k	
gfal2-plugin-gridftp	x86_64	2.2.0-1.el6
EMI.emi-wn.sl6.x86_64	46 k	
gfal2-plugin-lfc	x86_64	2.2.0-1.el6
EMI.emi-wn.sl6.x86_64	21 k	
gfal2-plugin-rfio	x86_64	2.2.0-1.el6
EMI.emi-wn.sl6.x86_64	13 k	
gfal2-plugin-srm	x86_64	2.2.0-1.el6
EMI.emi-wn.sl6.x86_64	37 k	

gfal2-python	x86_64	1.1.0-0.el6
EMI.emi-wn.sl6.x86_64	65 k	
gfal2-transfer	x86_64	2.2.0-1.el6
EMI.emi-wn.sl6.x86_64	16 k	
gfalFS	x86_64	1.0.1-0.el6
EMI.emi-wn.sl6.x86_64	15 k	
glib2	i686	2.22.5-7.el6
sl	1.1 M	
glibc	i686	2.12-1.107.el6
sl	4.3 M	
glibmm24	x86_64	2.22.1-1.el6
sl	271 k	
globus-callout	i686	2.2-1.el6
UMD-2-updates	16 k	
globus-common	i686	14.9-1.el6
UMD-2-updates	114 k	
globus-ftp-client	i686	7.4-1.el6
UMD-2-updates	92 k	
globus-ftp-control	i686	4.5-2.el6
UMD-2-updates	67 k	
globus-gass-copy	i686	8.6-1.el6
UMD-2-updates	34 k	
globus-gass-transfer	i686	7.2-1.el6
UMD-2-updates	39 k	
globus-gsi-callback	i686	4.4-1.el6
UMD-2-updates	36 k	
globus-gsi-cert-utils	i686	8.3-1.el6
UMD-2-updates	18 k	
globus-gsi-credential	i686	5.3-1.el6
UMD-2-updates	30 k	
globus-gsi-openssl-error	i686	2.1-2.el6
UMD-2-updates	15 k	
globus-gsi-proxy-core	i686	6.2-1.el6
UMD-2-updates	30 k	
globus-gsi-proxy-ssl	i686	4.1-2.el6
UMD-2-updates	16 k	
globus-gsi-sysconfig	i686	5.3-1.el6
UMD-2-updates	26 k	
globus-gss-assist	i686	8.7-1.el6
UMD-2-updates	31 k	
globus-gssapi-error	i686	4.1-2.el6
UMD-2-updates	13 k	
globus-gssapi-gsi	i686	10.7-1.el6
UMD-2-updates	53 k	
globus-io	i686	9.4-1.el6
UMD-2-updates	38 k	
globus-openssl-module	i686	3.2-1.el6
UMD-2-updates	13 k	
globus-xio	i686	3.3-1.el6
UMD-2-updates	142 k	

globus-xio-gsi-driver	i686	2.3-1.el6
UMD-2-updates	31 k	
globus-xio-popen-driver	i686	2.3-1.el6
UMD-2-updates	19 k	
gridftp-ifce	i386	2.3.1-0.el6
EMI.emi-wn.sl6.x86_64	14 k	
gsoap	i686	2.7.16-3.el6
epel	205 k	
is-interface	i386	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	46 k	
keyutils-libs	i686	1.4-4.el6
sl	19 k	
krb5-libs	i686	1.10.3-10.el6_4.2
sl-security	767 k	
lcg-util-libs	i386	1.15.0-0.el6
EMI.emi-wn.sl6.x86_64	54 k	
lcgdm-devel	i386	1.8.6-1.el6
EMI.emi-wn.sl6.x86_64	44 k	
lcgdm-libs	i386	1.8.6-1.el6
EMI.emi-wn.sl6.x86_64	89 k	
lfc-libs	i386	1.8.6-1.el6
EMI.emi-wn.sl6.x86_64	39 k	
libcom_err	i686	1.41.12-14.el6
sl	35 k	
libgcc	i686	4.4.7-3.el6
sl	111 k	
libselenium	i686	2.0.94-5.3.el6
sl	107 k	
libsigc++20	x86_64	2.2.4.2-1.el6
sl	52 k	
libstdc++	i686	4.4.7-3.el6
sl	299 k	
libtool-ltdl	i686	2.2.6-15.5.el6
sl	44 k	
libuuid	i686	2.17.2-12.9.el6
sl	66 k	
ncurses-libs	i686	5.7-3.20090208.el6
sl	250 k	
nspr	i686	4.9.2-1.el6
sl	113 k	
nss	i686	3.14.0.0-12.el6
sl	773 k	
nss-softokn	i686	3.12.9-11.el6
sl	171 k	
nss-softokn-freebl	i686	3.12.9-11.el6
sl	115 k	
nss-util	i686	3.14.0.0-2.el6
sl	60 k	
openldap	i686	2.4.23-31.el6
sl	266 k	

openssl	i686	1.0.0-27.el6_4.2
sl-security	1.4 M	
readline	i686	6.0-4.el6
sl	175 k	
sqlite	i686	3.6.20-1.el6
sl	306 k	
srm-ifce	i386	1.15.2-1.el6
EMI.emi-wn.sl6.x86_64	157 k	
voms	i386	2.0.9-1.el6
EMI.emi-wn.sl6.x86_64	139 k	
zlib	i686	1.2.3-29.el6
sl	72 k	

Transaction Summary

```
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```

Install 73 Package(s)
Upgrade 10 Package(s)

Total download size: 15 M
Is this ok [y/N]:

}}

== yaim configuration OK ==

```
{
[root@test15 etc]# /opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n
MPI_WN -n WN -n TORQUE_client
WARNING:
WARNING:
*****
*****
WARNING: Your siteinfo directory is world readable. This is generally a bad idea
WARNING: as configuration files may contain passwords and other sensitive
information.
WARNING:
*****
*****
WARNING:
INFO: Configuring HOST: test15.egi.cesga.es
INFO: Using site configuration file: /opt/glite/yaim/etc/site-info.def
INFO:
```

#####

. /'-. ')

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. I_))_ I_))_
```

current working directory: /opt/glite/yaim/etc
site-info.def date: Aug 28 2012 /opt/glite/yaim/etc/site-info.def
yaim command: -c -s /opt/glite/yaim/etc/site-info.def -n MPI_WN -n WN -n

TORQUE_client

log file: /opt/glite/yaim/bin/./log/yaimlog
Wed May 29 15:59:28 CEST 2013 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-yaim-clients 5.0.1-2
glite-yaim-core 5.1.0-1
glite-yaim-mpi 1.1.12-1
glite-yaim-torque-client 5.1.0-1

#####

INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
INFO: Detecting environment
INFO: Executing function: config_mpi_wn_check
INFO: Executing function: config_sysconfig_lcg_check
INFO: Executing function: config_globus_clients_check
INFO: Executing function: config_lcgenenv_check
INFO: Executing function: config_users_check
INFO: Executing function: config_sw_dir_check
INFO: Executing function: config_fts_client_check
INFO: Executing function: config_amga_client_check
INFO: Executing function: config_wn_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_glite_saga_check
INFO: Executing function: config_add_pool_env_check
INFO: Executing function: config_wn_info_check
INFO: Executing function: config_torque_client_check
INFO: Executing function: config_mpi_wn_setenv
INFO: Setting I2G_MPI_START env variable to /usr/bin/mpi-start
INFO: Executing function: config_mpi_wn
INFO: Executing function: config_ldconf
INFO: config_ldconf: function not needed anymore, left empty waiting to be removed
INFO: Executing function: config_sysconfig_edg
INFO: Executing function: config_sysconfig_globus
INFO: Executing function: config_sysconfig_lcg
INFO: Executing function: config_crl

INFO: Now updating the CRLs - this may take a few minutes...
Enabling periodic fetch-crl: [OK]
INFO: Executing function: config_rfio
INFO: Executing function: config_globus_clients_setenv
INFO: Executing function: config_globus_clients
INFO: Configure the globus service - not needed in EMI
INFO: Executing function: config_lcgenv
INFO: Executing function: config_users
INFO: Executing function: config_sw_dir_setenv
INFO: Executing function: config_sw_dir
WARNING: YAIM has detected multiple sgm accounts
WARNING: Execute the following command manually: `chmod -R ug+rw,o-w /opt/exp_soft/ops`
WARNING: to ensure that the VO software area in /opt/exp_soft/ops has the correct permissions.
WARNING: YAIM has detected multiple sgm accounts
WARNING: Execute the following command manually: `chmod -R ug+rw,o-w /opt/exp_soft/dteam`
WARNING: to ensure that the VO software area in /opt/exp_soft/dteam has the correct permissions.
WARNING: YAIM has detected multiple sgm accounts
WARNING: Execute the following command manually: `chmod -R ug+rw,o-w /opt/exp_soft/opsibeu`
WARNING: to ensure that the VO software area in /opt/exp_soft/opsibeu has the correct permissions.
WARNING: YAIM has detected multiple sgm accounts
WARNING: Execute the following command manually: `chmod -R ug+rw,o-w /opt/exp_soft/iberibeu`
WARNING: to ensure that the VO software area in /opt/exp_soft/iberibeu has the correct permissions.
INFO: Executing function: config_fts_client
INFO: Executing function: config_amga_client_setenv
INFO: Executing function: config_amga_client
INFO: Executing function: config_wn_setenv
INFO: Executing function: config_wn
INFO: Executing function: config_vomsdir_setenv
INFO: Executing function: config_vomsdir
INFO: Executing function: config_vomses
INFO: Executing function: config_glite_saga_setenv
INFO: Executing function: config_glite_saga
INFO: Executing function: config_add_pool_env_setenv
INFO: Executing function: config_add_pool_env
INFO: Executing function: config_wn_info
WARNING: No subcluster has been defined for the WN in the WN_LIST file
`/opt/glite/yaim/etc/wn-list.conf`
WARNING: YAIM will use the default subcluster id: CE_HOST ->
`test06.egi.cesga.es`
INFO: Executing function: config_torque_client
`/usr/bin/pbsnodes: Invalid credential`

```
WARNING: Could not establish connection with the BATCH_SERVER, please
verify!
WARNING: /var/lib/torque/mom_priv/config already exists, YAIM will not touch it
Starting MUNGE: munged
INFO: starting pbs_mom...
Shutting down TORQUE Mom:           [ OK ]
Starting TORQUE Mom:                 [ OK ]
INFO: Configuration Complete.       [ OK ]
INFO: YAIM terminated succesfully.
[root@test15 etc]#
```

```
}}}  
== Checking if ssh works in bidirectional sense ==
```

* From WN to CE (OK)

```
{}}
```

```
[root@test14 ~]# su - dteam004  
[dteam004@test14 ~]$ ssh test06.egi.cesga.es  
[dteam004@test06 ~]$
```

```
}}
```

* From WN to WN

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{}}
```

```
[dteam004@test14 ~]$ ssh test15.egi.cesga.es  
[dteam004@test15 ~]$  
}}
```

* Checking the environment on the WNs

```
{}}
```

```
[dteam014@test14 ~]$ env
```

```
MANPATH=/opt/glite/share/man::
```

```
HOSTNAME=test14.egi.cesga.es
```

```
GRID_ENV_LOCATION=/usr/libexec
```

```
SHELL=/bin/bash
```

```
TERM=xterm
```

HISTSIZE=1000

MPI_OPENMPI_PATH=/usr/lib64/openmpi/1.4-gcc

MPI_SSH_HOST_BASED_AUTH=yes

VO_OPS_DEFAULT_SE=test08.egi.cesga.es

DPM_HOST=test08.egi.cesga.es

GT_PROXY_MODE=old

USER=dteam014

LS_COLORS=no=00:fi=00:di=00;34:ln=00;36:pi=40;33:so=00;35:bd=40;33;01:cd=40;33;01:or=01;05;37;41:mi=01;05;37;41:ex=00;32:*.cmd=00;32:*.exe=00;32:*.com=00;32:*.btm=00;32:*.bat=00;32:*.sh=00;32:*.csh=00;32:*.tar=00;31:*.tgz=00;31:*.arj=00;31:*.taz=00;31:*.lzh=00;31:*.zip=00;31:*.z=00;31:*.Z=00;31:*.gz=00;31:*.bz2=00;31:*.bz=00;31:*.tz=00;31:*.rpm=00;31:*.cpio=00;31:*.jpg=00;35:*.gif=00;35:*.bmp=00;35:*.xpm=00;35:*.xpm=00;35:*.png=00;35:*.tif=00;35:

LCG_LOCATION=/usr

VO_DTEAM_SW_DIR=/opt/exp_soft/dteam

VO_IBER_VO_IBERGRID_EU_DEFAULT_SE=test08.egi.cesga.es

VO_OPS_SW_DIR=/opt/exp_soft/ops

MAIL=/var/spool/mail/dteam014

PATH=/usr/kerberos/bin:/bin:/usr/local/bin:/usr/bin:/home/dteam014/bin

DPNS_HOST=test08.egi.cesga.es

VO_OPS_VO_IBERGRID_EU_SW_DIR=/opt/exp_soft/opsibeu

MPI_OPENMPI_VERSION=1.4

VO_DTEAM_DEFAULT_SE=test08.egi.cesga.es

INPUTRC=/etc/inputrc

PWD=/home/dteam014

SITE_GIIS_URL=sbdii02.ncg.ingrid.pt

LANG=en_US.UTF-8

```
MPI_DEFAULT_FLAVOUR=openmpi
MYPROXY_SERVER=myproxy.egi.cesga.es
GLITE_LOCATION_VAR=/var
SHLVL=1
HOME=/home/dteam014
GLITE_ENV_SET=TRUE
LCG_GFAL_INFOSYS=topbdii02.ncg.ingrid.pt:2170
VO_IBER_VO_IBERGRID_EU_SW_DIR=/opt/exp_soft/iberibeu
LOGNAME=dteam014
I2G_MPI_START=/usr/bin/mpi-start
LESSOPEN=|/usr/bin/lesspipe.sh %s
GLITE_LOCATION=/usr
VO_OPS_VO_IBERGRID_EU_DEFAULT_SE=test08.egi.cesga.es
SITE_NAME=CESGA-EGEE
G_BROKEN_FILENAMES=1
_=/bin/env
}}}
```

== Submitting a job (OK) ==

```
{
[esfreire@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es esfreire
Proxy with delegation id [esfreire succesfully renewed to endpoint [test06.egi.cesga.es]
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D esfreire -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM315526649
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM315526649
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM315526649]
```

Status = [REALLY-RUNNING]

```
[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM315526649
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM315526649]
Status    = [DONE-OK]
ExitCode  = [0]
```

```
[root@se2 tmp]# cat std.err
```

```
mpi-start [INFO ]:
*****
mpi-start [INFO ]: UID    = opssgm006
mpi-start [INFO ]: HOST    = test15.egi.cesga.es
mpi-start [INFO ]: DATE    = Wed May 29 16:23:21 CEST 2013
mpi-start [INFO ]: VERSION = 1.4.0
mpi-start [INFO ]:
*****
mpi-start [INFO ]: search for scheduler
mpi-start [INFO ]: activate support for pbs
mpi-start [INFO ]: Unable to detect number of cores per cpu, assuming 1
mpi-start [INFO ]: Detected 0 CPU socket(s) and 1 core(s) per CPU
mpi-start [INFO ]: activate support for openmpi
mpi-start [INFO ]: call backend MPI implementation
mpi-start [INFO ]: start program with mpirun
Process 1 on test15.egi.cesga.es: n=0
Process 3 on test14.egi.cesga.es: n=0
Process 0 on test15.egi.cesga.es: n=0
Using 16384 intervals
Process 2 on test14.egi.cesga.es: n=0
```

```
[root@se2 tmp]# cat std.out
```

```
Compiling cpi
Successfully compiled cpi
=[START]=====
=====
pi is approximately 3.1415926539002341, Error is 0.0000000003104410
wall clock time = 0.002226
=[FINISHED]=====
=====
}}}
```

```
{{{
[esfreire@test13 ~]$ glite-ce-job-submit -D esfreire -r test06.egi.cesga.es:8443/cream-
pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM621781776
[esfreire@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM621781776
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM621781776]
      Status    = [DONE-OK]
      ExitCode   = [0]
```

```
[root@se2 tmp]# cat esfreire.err
[root@se2 tmp]# cat esfreire.out
test15.egi.cesga.es
}}}
```

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):

EMI.emi-wn.sl6.x86_64-2.0.2 was installed from scratch without any relevant issue.

Comments for DMSU (TSA2.5):

Comments for TP: