

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

Name of the component	ARC CE		
Release	1.1.0	RT Ticket	2992
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	cristina.aiftimiei@pd.infn.it		
Validator	Name:	E-Mail	
	Mario David david@lip.pt		
V. Hours Worked	20		
Component status	ACCEPTED	Date	18/10/2011
Verification start date	15/10/2011	Verification end date	18/10/2011

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	13			13
	Specific Quality Criteria			
TP				
VLD	6			6

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
Generic QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	
GENERIC_DOC_2 (Release Notes)	Y	VLD	
GENERIC_DOC_5 (API Documentation)	Y	VLD	
GENERIC_DOC_6 (Administrator Documentatio	Y	VLD	
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	
GENERIC_DOC_8 (Software License)	Y	VLD	
GENERIC_DOC_9 (Release changes testing)			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	
GENERIC_DIST_2 (Source Distribution)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
GENERIC_SERVICE_1 (Service control and sta	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)			
GENERIC_SERVICE_4 (Service Robustness)			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_2 (Directory Traversal Attacks)	Optional		
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	
Security Capabilities QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
AUTHN_IFACE_2 (SAML authentication)	Optional		
AUTHN_DELEG_1 (Delegation Interface)	TBD		
AUTHZ_PCYDEF_3 (Ban UserFQAN)			
AUTHZ_PCYDEF_4 (Allowed users definition)			
AUTHZ_PEP_1 (Policy Enforcement)			
AUTHZ_PEP_2 (User Mapping)	Y	VLD	
Information Capabilities QC			
INFOMODEL_SCHEMA_1 (GlueSchema Suppo	Y	VLD	
INFODISC_IFACE_1 (Information Discovery Inte	Y	VLD	
Compute Capabilities QC			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD	
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	
JOBEXEC_JOB_2 (Simple Job with inputoutput			
JOBEXEC_JOB_3 (Cancel Job)			
JOBEXEC_EXECMNGR_1 (Not Invasive Deploy			
JOBEXEC_EXECMNGR_2 (Job Management)			
JOBEXEC_EXECMNGR_3 (Information Retrieval			
JOBEXEC_AVAIL_1 (Service Redundancy)			
JOBEXEC_AVAIL_2 (Self Disabling Mechanism)			
JOBEXEC_AVAIL_3 (Job Submission Peaks)			
JOBEXEC_AVAIL_4 (Timely Job Status Updates			
PARALLEL_JOB_1 (Simple parallel job submissi			
PARALLEL_MPI_1 (Precompiled MPI job Execut			
PARALLEL_MPI_2 (MPI job Execution from sou			
PARALLEL_OMP_1 (Precompiled OpenMP job E			
PARALLEL_OMP_2 (OpenMP job Execution from			
Operations Capabilities QC			
MON_PROBE_GENERIC_2 (Service Probe)			
MON_PROBE_JOBEXEC_1 (Job Execution Pro			
ACC_JOBEXEC_1 (Job Execution Appliances A			

Summary:

Yum update OK

Using the same arc.conf config file

Job submission and retrieval OK

Validator comments:

```
[root@test03 ~]# /etc/init.d/a-rex status
arched (pid 2493) is running...
```

```
[root@test03 ~]# /etc/init.d/grid-infosys status
BDII Running
```

```
[root@test03 ~]# /etc/init.d/gridftpd status
```

gridftpd (pid 2249) is running...

```
[david@test05 ~]$ arcinfo -c ARC0:test03.egi.cesga.es
Execution Service: test03.egi.cesga.es
URL: ARC0:ldap://test03.egi.cesga.es:2135/Mds-Vo-name=local,o=Grid
Queue: fork
Health State: ok
```

```
[david@test05 ~]$ arcsub -c ARC0:test03.egi.cesga.es -f test.xrs!Job submitted with
jobid: gsiftp://test03.egi.cesga.es:2811/jobs/60121318932657359012284
```

```
[david@test05 ~]$ arcstat
gsiftp://test03.egi.cesga.es:2811/jobs/60121318932657359012284Job:
gsiftp://test03.egi.cesga.es:2811/jobs/60121318932657359012284
Name: ARC testjob 2
State: Finished (FINISHED)
Exit Code: 0
```

```
[david@test05 ~]$ arcget
gsiftp://test03.egi.cesga.es:2811/jobs/60121318932657359012284
```

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: