

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

Name of the component	SAM		
Release	sam-1.19.0	RT Ticket	#4612
Software Provider	JRA1		
Release Contact	Name:	E-Mail	
	Daniele Cesini, daniele.cesini@cnaif.infn.it		
Validator	Name:	E-Mail	
	Esteban Freire, esfreire@cesga.es		
V. Hours Worked	6		
Component status	Verified	Date	12/11/12
Verification start date	12/11/12	Verification end date	12/11/12

Summary:

The new SAM U19 was updated and configured in the verification machine (test23.egi.cesga.es) without any relevant issue. Nagios tests are being passed OK for the Nagios machine, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es>, besides, probes for the rest of testbed services seem OK, <https://test23.egi.cesga.es/nagios/>.

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	17	0	0	17
	Specific Quality Criteria			
TP				
VLD	24	0	0	24

Quality Criteria verification cheatsheet:

<Insert filled excel cheatsheet>

GENERIC_DOC_6 (Administrator Documentation)			https://tomtools.cern.ch/confluence/display/SAMDOC/Administrator%27s+Guide
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://tomtools.cern.ch/confluence/display/SAMDOC/SAM-Nagios+Card
GENERIC_DOC_8 (Software License)	Y	VLD	https://wiki.egi.eu/wiki/EGI-InSPIRE_Software_Copyrights_and_Licenses
GENERIC_DOC_9 (Release changes testing)	Y	VLD	https://tomtools.cern.ch/confluence/display/SAMDOC/Update-19
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	http://svnweb.cern.ch/guest/sam/
GENERIC_DIST_2 (Source Distribution)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
GENERIC_SERVICE_1 (Service control and status)	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	
GENERIC_SERVICE_4 (Service Robustness)	Y	VLD	
GENERIC_SERVICE_4 (Automatic Configuration)	Y	VLD	
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_2 (Directory Traversal Attacks testing)	Option		
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)	Option		
AUTHN_DELEG_1 (Delegation Interface)	TBD		
AUTHZ_PCYDEF_3 (Ban UserFQAN)	Y	VLD	
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	
AUTHZ_PEP_2 (User Mapping)	Y	VLD	
Information Capabilities QC			
INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y	VLD	ldapsearch -p 2170 -x -LLL -h test23.egi.cesga.es -b O=grid
INFODISC_IFACE_1 (Information Discovery Interface)	Y	VLD	ldapsearch -p 2170 -x -LLL -h test23.egi.cesga.es -b O=grid
Operations Capabilities QC			
MON_NCG_1 (Generation of Nagios Configuration Files)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_NCG_2 (Generation of Failover Nagios Configuration Files)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_1 (Resource Summary View)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_2 (Resource Detail View)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_3 (Resource Historical View)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_4 (Resource Filters)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_5 (Responsiveness)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_6 (Linkable Views)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_DB_1 (Metric List Fetching)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_DB_2 (Resource List Fetching)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_1 (Probe Template)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_GENERIC_2 (Service Probe)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_JOBEXEC_1 (Job Execution Probe)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios

Validator comments:

== Installation OK ==

=== Used repository ===

```
{{{  
[root@test23 yum.repos.d]# cat sam.repo  
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -  
(4612,768,693)
```

```
[egi-sam]  
name=EGI SAM repo  
baseurl=http://admin-repo.egi.eu/sw/unverified/sam/1/19/0/$basearch  
enabled=1  
priority=10  
gpgcheck=0  
}}}
```

== Installation ==

```
{{{  
yum update --exclude sam-gridmon
```

[.....]

```
=====
```

Package Repository	Size	Arch	Version
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```
=====
```

```
Installing:  
MySQL-client-community x86_64 7.1 M  
5.1.63-1.rhel5 egi-sam  
replacing MySQL-client-community.x86_64 5.1.39-0.rhel5  
  
MySQL-server-community x86_64 20 M  
5.1.63-1.rhel5 egi-sam  
replacing MySQL-server-community.x86_64 5.1.39-0.rhel5
```

sam-nagios		noarch		1.19.3-1.el5
egi-sam	5.2 k			
replacing atp-web.noarch	1.23.9-1.el5			
Updating:				
atp		noarch		1.25.10-1.el5
egi-sam	378 k			
glite-yaim-nagios		noarch		1.8.46-
1.el5	egi-sam		136 k	
grid-monitoring-config-gen		noarch		
0.90.15-1.el5	egi-sam			144 k
grid-monitoring-probes-hr.srce		noarch		
0.35.3-1.el5	egi-sam			25 k
grid-monitoring-probes-org.sam		noarch		
0.5.7-1.el5	egi-sam			1.3 M
mrs		noarch		1.7.31-1.el5
egi-sam	778 k			
msg-nagios-bridge		noarch		1.0.64-
1.el5	egi-sam		41 k	
mywlcg		noarch		1.4.17-5.el5
egi-sam	2.0 M			
ncg-metric-config		noarch		1.1.6-1.el5
egi-sam	9.8 k			
perl-Directory-Queue		noarch		1.6-1.el5
egi-sam	42 k			
perl-GridMon		noarch		1.0.61-2.el5
egi-sam	76 k			
poem		noarch		0.9.64-1.el5
egi-sam	270 k			
poem-sync		noarch		0.9.64-1.el5
egi-sam	70 k			
sam-release		noarch		1.19.0-1.el5
egi-sam	2.6 k			
sam-sync		noarch		1.0.9-1.el5
egi-sam	5.1 k			
unicore-nagios-plugins		noarch		2.2.1-
1.sl5	egi-sam		4.4 M	
yum-autoupdate		noarch		5:1.2-2.SL
sl-security	8.8 k			
Installing for dependencies:				
django-taggit		noarch		0.9.3-2.el5
egi-sam	21 k			
html5lib		noarch		0.10-1
egi-sam	202 k			
mywlcg-atp-api		noarch		1.25.20-
1.el5	egi-sam		22 k	
mywlcg-atp-web		noarch		1.26.1-
3.el5	egi-sam		31 k	
nagios-plugins-qcg-broker		noarch		2.6.1-1
egi-sam	20 M			

nagios-plugins-qcg-comp		noarch		2.6.0-1
egi-sam	17 M			
nagios-plugins-qcg-ntf		x86_64		2.6.0-3
egi-sam	8.1 M			
perl-Messaging-Message		noarch		1.3-
1.el5	egi-sam		43 k	
pisa		noarch		3.0.33.2-1
egi-sam	253 k			
python-imaging		x86_64		1.1.5-
5.el5	sl-base		408 k	
python-reportlab		x86_64		2.5-3.el5
egi-sam	1.7 M			
tix		x86_64		1:8.4.0-11.fc6
sl-base	333 k			
tk		x86_64		8.4.13-5.el5_1.1
sl-base	900 k			
tkinter		x86_64		2.4.3-
46.el5_8.2	sl-security		281 k	
unixODBC		x86_64		2.2.11-7.1
sl-base	834 k			

Transaction Summary

```
=====
=====
=====
=====
```

}}}

== Configuration (OK, but with errors) ==

{{{

```
[root@test23 etc]# /opt/glite/yaim/bin/yaim -s site-info.def -c -n glite-UI -n glite-
NAGIOS;service nagios restart
```

[.....]

```
DEBUG: Skipping function: config_stop_services_setenv because it is not defined
INFO: Executing function: config_stop_services
INFO: Stopping sam-sync service
Disabling sam-sync cron:                [ OK ]
Killing all remaining processes:         [ OK ]
INFO: Stopping nagios service
Stopping nagios: .send_to_db: no process killed
```

done.

```
INFO: Stopping atp service
Disabling atp-sync cron           [ OK ]
Killing all remaining processes   [ OK ]
INFO: Stopping poem_sync service
Disabling poem-sync cron:        [ OK ]
Killing all remaining processes:  [ OK ]
Stopping httpd:                   [FAILED]
DEBUG: Skipping function: config_host_certs_setenv because it is not defined
INFO: Executing function: config_host_certs
DEBUG: Skipping function: config_nagios_certs_setenv because it is not defined
INFO: Executing function: config_nagios_certs
INFO: Copying host certificate over for nagios
INFO: Executing function: config_daemon_user_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_daemon_user
INFO: Copying host certificate over for nagios
INFO: Executing function: config_mysql_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_mysql
INFO: Skip MySQL (/etc/my.cnf) completely on site nagios
INFO: Executing function: config_httpd_wsgi_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_httpd_wsgi
INFO: Skip mod_wsgi completely on site nagios
INFO: Executing function: config_httpd_ssl_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_httpd_ssl
INFO: Overwriting /etc/httpd/conf.d/ssl.conf
INFO: Executing function: config_mysql_pre_upgrade_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_mysql_pre_upgrade
INFO: config MySQL pre-upgrade: Start
INFO: config MySQL pre-upgrade: Block execution of Nagios check
org.egee.SendToMetricStore
INFO: config MySQL pre-upgrade: End
INFO: Executing function: config_atp_web_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_atp_web
INFO: Skip ATP Web completely on site nagios
INFO: Executing function: config_atp_mysql_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_atp_mysql
INFO: Skip ATP completely on site nagios
INFO: Executing function: config_atp_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_atp
INFO: Skip ATP completely on site Nagios
INFO: Executing function: config_poem_mysql_setenv
DEBUG: Currently this function doesn't set any environment variables.
```

INFO: Executing function: config_poem_mysql
INFO: Skip poem completely on site nagios
INFO: Executing function: config_poem_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_poem
INFO: Skip poem completely on site nagios
INFO: Executing function: config_poem_sync_mysql_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_poem_sync_mysql
INFO: Skip POEM_SYNC completely on site nagios
INFO: Executing function: config_poem_sync_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_poem_sync
INFO: Skip poem_sync completely on site nagios
INFO: Executing function: config_n2ms_mysql_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_n2ms_mysql
INFO: Skip Metric Store completely on site nagios
INFO: Executing function: config_n2ms_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_n2ms
INFO: Skip MetricStore completely on site nagios
INFO: Executing function: config_mrs_log_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_mrs_log
INFO: config mrs-log: Start
INFO: Removing old mrs-log cronjob
INFO: Creating mrs-log cron job
INFO: config mrs-log: End
INFO: Executing function: config_mywlcg_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_mywlcg
INFO: Skip MyWLCG completely on site nagios
INFO: Executing function: config_mysql_post_upgrade_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_mysql_post_upgrade
INFO: config MySQL post-upgrade: Start
INFO: config MySQL post-upgrade: Enable execution of Nagios check
org.egee.SendToMetricStore
INFO: config MySQL post-upgrade: End
INFO: Executing function: config_broker_cache_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_broker_cache
INFO: Potentially setting LCG_GFAL_INFOSYS to "topbdii02.ncg.ingrid.pt:2170"
in /etc/broker-cache-file.conf
INFO: LCG_GFAL_INFOSYS is already set to "topbdii02.ncg.ingrid.pt:2170" in
/etc/broker-cache-file.conf
INFO: Potentially setting BROKER_NETWORK to "PROD" in /etc/broker-cache-
file.conf
INFO: BROKER_NETWORK is already set to "PROD" in /etc/broker-cache-file.conf

INFO: Enabling the broker-cache-file cron:
Running broker-cache-file: [FAILED]
Enabling broker-cache-file cron: [OK]
INFO: Executing function: config_ggus_tickets_setenv
INFO: Detecting environment
DEBUG: Detect platform: OS flavour detected is: redhat
DEBUG: Detected architecture is 64BIT
DEBUG: Detect platform: OS type detected: sl5
DEBUG: Detect platform: The gLite version detected is: 32
DEBUG: Detect platform: VDT version detected is: 1.10
INFO: Executing function: config_ggus_tickets
INFO: Executing function: config_ggus2nagios_setenv
INFO: Detecting environment
DEBUG: Detect platform: OS flavour detected is: redhat
DEBUG: Detected architecture is 64BIT
DEBUG: Detect platform: OS type detected: sl5
DEBUG: Detect platform: The gLite version detected is: 32
DEBUG: Detect platform: VDT version detected is: 1.10
INFO: The Glite version detected is 32
INFO: Executing function: config_ggus2nagios
INFO: Executing function: config_dashboard2nagios_setenv
INFO: Detecting environment
DEBUG: Detect platform: OS flavour detected is: redhat
DEBUG: Detected architecture is 64BIT
DEBUG: Detect platform: OS type detected: sl5
DEBUG: Detect platform: The gLite version detected is: 32
DEBUG: Detect platform: VDT version detected is: 1.10
INFO: The Glite version detected is 32
INFO: Executing function: config_dashboard2nagios
Disabling send-to-dashboard cron: [OK]
INFO: Executing function: config_msg_queue_setenv
INFO: Detecting environment
DEBUG: Detect platform: OS flavour detected is: redhat
DEBUG: Detected architecture is 64BIT
DEBUG: Detect platform: OS type detected: sl5
DEBUG: Detect platform: The gLite version detected is: 32
DEBUG: Detect platform: VDT version detected is: 1.10
INFO: The Glite version detected is 32
INFO: Executing function: config_msg_queue
INFO: Site name UMD-VERIFICATION with dashes - UMD-VERIFICATION
INFO: Executing function: config_msg_to_queue_setenv
INFO: Detecting environment
DEBUG: Detect platform: OS flavour detected is: redhat
DEBUG: Detected architecture is 64BIT
DEBUG: Detect platform: OS type detected: sl5
DEBUG: Detect platform: The gLite version detected is: 32
DEBUG: Detect platform: VDT version detected is: 1.10
INFO: The Glite version detected is 32
INFO: Executing function: config_msg_to_queue
INFO: (Re-)starting msg-to-handler service


```
Stopping msg-to-handler:          [ OK ]
Starting msg-to-handler:         [ OK ]
  INFO: Executing function: config_ncg_setenv
  INFO: Detecting environment
  DEBUG: Detect platform: OS flavour detected is: redhat
  DEBUG: Detected architecture is 64BIT
  DEBUG: Detect platform: OS type detected: sl5
  DEBUG: Detect platform: The gLite version detected is: 32
  DEBUG: Detect platform: VDT version detected is: 1.10
  INFO: The Glite version detected is 32
  INFO: Executing function: config_ncg
Entry for alias 1 successfully imported.
Import command completed: 1 entries successfully imported, 0 entries failed or
cancelled
  INFO: Generating Java truststore, may take a few minutes...
  WARNING: /etc/ncg/ncg.conf will be overwritten; previous version copied to
/etc/ncg/ncg.conf.old
  INFO: Configuring NCG for a single site
  INFO: Using MyProxy credentials.
  INFO: Configuring ncg.reload.sh
  INFO: Executing function: config_sam_sync_setenv
  DEBUG: Currently this function doesn't set any environment variables.
  INFO: Executing function: config_sam_sync
  INFO: Enabling SAM reloading mechanism
Running sam-sync:                [FAILED]
Enabling sam-sync cron:         [ OK ]
  ERROR: Failed to enable SAM reloading
  ERROR: Configuration error !
Running configuration check...done.
Stopping nagios: No lock file found in /var/run/nagios.pid
Starting nagios: done.
```

* Checking ldap, OK.

```
{ { {
[root@cream ~]# ldapsearch -x -LLL -h test23.egi.cesga.es -p 2170 -b Mds-Vo-
Name=resource,O=grid "(GlueServiceType=*-NAGIOS)" GlueServiceEndpoint
dn: GlueServiceUniqueID=test23.egi.cesga.es_Site-NAGIOS_2088864378,Mds-Vo-
name
=resource,o=grid
GlueServiceEndpoint: https://test23.egi.cesga.es:443/nagios
```

```
} } }
```

```
{ { {
```

```
ldapsearch -p 2170 -x -LLL -h test23.egi.cesga.es -b O=grid
```

```
} } }
```

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):

Nagios tests are being passed OK for the Nagios machine, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es>, and probes for the rest of testbed services seem OK, <https://test23.egi.cesga.es/nagios/>.

Comments for DMSU (TSA2.5):

Comments for TP: