

# Quality Criteria Verification Report

<b>Product</b>	<i>argus-pap.sl5.x86_64-1.6.4</i>	<b>Release</b>	<i>1.6.4</i>
<b>Software Provider</b>	<i>EMI</i>	<b>RT Ticket</b>	<i>#8223</i>
<b>Provider contact</b>	<i>Cristina Aiftimiei &lt;crisrina.aiftimiei@pd.infn.it&gt;</i>		
<b>Verifier</b>	<i>Ruben Diez (rdiez@cesga.es)</i>		
<b>Hours worked</b>	<i>3h</i>	<b>Date</b>	<i>30/03/15</i>
<b>Status</b>	<b>Accepted</b>		

## Summary

*No issues found during verification process.*

## Related tickets

*None*

## Documentation Criteria

<b>Document</b>	
Release notes	<a href="http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-24-16-02-2015-v-3-15-0-1#ARGUS_PAP_v_1_6_4">http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-24-16-02-2015-v-3-15-0-1#ARGUS_PAP_v_1_6_4</a>
User Documentation	<a href="http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-24-16-02-2015-v-3-15-0-1#ARGUS_PAP_v_1_6_4">http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-24-16-02-2015-v-3-15-0-1#ARGUS_PAP_v_1_6_4</a>
API Documentation	<a href="http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-24-16-02-2015-v-3-15-0-1#ARGUS_PAP_v_1_6_4">http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-24-16-02-2015-v-3-15-0-1#ARGUS_PAP_v_1_6_4</a>
Admin Documentation	<a href="http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-24-16-02-2015-v-3-15-0-1#ARGUS_PAP_v_1_6_4">http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-24-16-02-2015-v-3-15-0-1#ARGUS_PAP_v_1_6_4</a>
Software License	

## Generic Criteria

<b>Criteria</b>	<b>Status<sup>1</sup></b>	<b>Additional Comments</b>
Binary Distribution	<b>OK</b>	
Upgrade	<b>OK</b>	
X.509 Certificate support	<b>OK</b>	
SHA-2 Certificates Support	<b>OK</b>	
RFC Proxy support	<b>OK</b>	
ARGUS Integration	NA	

**1** **OK**, **WARN**, **FAIL**, NA (Not Applicable) or NT (Not Tested)

World Writable Files	NT	Minor release
Passwords in world readable files	NT	Minor release
GlueSchema 1.3 Support	OK	
GlueSchema 2.0 Support	OK	
Middleware Version Information	NT	Minor release
Service Probes	OK	
Accounting Records	NA	
Bug Tracking System	OK	

## Specific QC

---

### Basic Functionality Test

```
=== argus-pap.sl5.x86_64-1.6.4 ===
```

```
* Ticket: [[https://rt.egi.eu/rt/Ticket/Display.html?id=8223]]
```

```
== Configuring the repository ==
{{{
```

```
[root@test30 yum.repos.d]# wget http://admin-
repo.egi.eu/sw/unverified/umd-3.emi.argus-
pap.sl5.x86_64/1/6/4/repofiles/EMI.argus-pap.sl5.x86_64.repo
```

```
[root@test30 yum.repos.d]# cat EMI.argus-pap.sl5.x86_64.repo
# EGI Software Repository - REPO META
(releaseId,repositoryId,repofileId) - (8223,1839,1769)
```

```
[EMI.argus-pap.sl5.x86_64]
name=EMI.argus-pap.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.argus-
pap.sl5.x86_64/1/6/4/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
```

```
}}}
```

```
== Installation ==
```

```
* Updating
```

```
{{{
[root@test30 ~]# yum clean all; yum update
[.....]
Dependencies Resolved
```

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

Package Version Size	Arch Repository
=====	
=====	
=====	
Updating:	
argus-pap 1.6.2-1 17 M	noarch EMI.argus-pap.sl5.x86_64

#### Transaction Summary

```
=====
=====
=====
Install      0 Package(s)
Upgrade      1 Package(s)
```

Total download size: 17 M  
[.....]  
}}}

\* We have to applied the following workarounds in order to ARGUS worked:  
\*

[https://twiki.cern.ch/twiki/bin/view/EGEE/ArgusEMIDeployment#Problem\\_w ith\\_Argus\\_1\\_5\\_EMI\\_2\\_and](https://twiki.cern.ch/twiki/bin/view/EGEE/ArgusEMIDeployment#Problem_w ith_Argus_1_5_EMI_2_and)

#### \* Configuration

```
{
{
{
[root@test30 pepd]# pwd
/etc/argus/pepd

[root@test30 pepd]# cat /etc/argus/pepd/pepd.ini
[.....]
[PDP]
pdps = https://test30.egi.cesga.es:8152/authz
# disabling the cache
maximumCachedResponses = 0
[.....]

[root@test30 ~]# /opt/glite/yaim/bin/yaim -c -s
/opt/glite/yaim/etc/site-info.def -n ARGUS_server
}}}
```

== Testing ==

=== Checking the main daemons (OK) ===

```
{
{
{
[root@test30 ~]# /etc/init.d/argus-pap status
PAP running!
```

```
[root@test30 ~]# /etc/init.d/argus-pdp status
argus-pdp is running...
```

```
[root@test30 ~]# /etc/init.d/argus-pepd status
argus-pepd is running...
```

```
[root@test30 ~]# /usr/sbin/papctl status
PAP running!
}}}
```

```

{{{
[root@test30 ~]# pap-admin lp

default (local):

resource "http://test30.egi.cesga.es/policy" {
  obligation "http://glite.org/xacml/obligation/local-environment-
map" {
  }

  action ".*" {
    rule permit { vo="ops" }
    rule permit { vo="dteam" }
    rule permit { vo="ops.vo.ibergrid.eu" }
    rule permit { pfqan="/ops/Role=lcgadmin/Capability=NULL" }
    rule permit { pfqan="/ops/Role=lcgadmin" }
    rule permit { pfqan="/ops/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/ops" }
    rule permit { pfqan="/ops/Role=pilot/Capability=NULL" }
    rule permit { pfqan="/ops/Role=pilot" }
    rule permit { pfqan="/dteam/Role=lcgadmin/Capability=NULL" }
    rule permit { pfqan="/dteam/Role=lcgadmin" }
    rule permit { pfqan="/dteam/Role=production/Capability=NULL" }
    rule permit { pfqan="/dteam/Role=production" }
    rule permit { pfqan="/dteam/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/dteam" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=VO-
Admin/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=VO-Admin" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=SW-
Admin/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=SW-Admin" }
    rule permit
{ pfqan="/ops.vo.ibergrid.eu/Role=Production/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=Production" }
    rule permit
{ pfqan="/ops.vo.ibergrid.eu/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu" }
  }
}
}}}}

```

==== Access through http (OK) ====

\* Connect to https://test30.egi.cesga.es:8150/pap/services is working

==== Trying some tests ====

===== Submitting jobs from the an UI =====

```

{{{
[rdiez@test13 ~]$ voms-proxy-init --voms ops:/ops/Role=lcgadmin
Enter GRID pass phrase for this identity:
Contacting voms.cern.ch:15009
[/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch] "ops"...
Error contacting voms.cern.ch:15009 for VO ops: Connection refused
Error contacting voms.cern.ch:15009 for VO ops: Connection refused
Error contacting voms.cern.ch:15009 for VO ops: REST and legacy VOMS
endpoints failed.

```

```
Contacting voms2.cern.ch:15009
[/DC=ch/DC=cern/OU=computers/CN=voms2.cern.ch] "ops"...
Remote VOMS server contacted succesfully.
```

```
Created proxy in /tmp/x509up_u514.
```

```
Your proxy is valid until Fri Mar 20 02:07:57 CET 2015
```

```
[rdiez@test13 ~]$ voms-proxy-info -all
subject   : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia/CN=proxy
issuer    : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
identity  : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
type      : full legacy globus proxy
strength  : 1024
path      : /tmp/x509up_u514
timeleft  : 11:59:29
key usage : Digital Signature, Key Encipherment
=== VO ops extension information ===
VO        : ops
subject   : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
issuer    : /DC=ch/DC=cern/OU=computers/CN=voms2.cern.ch
attribute : /ops/Role=lcgadmin/Capability=NULL
attribute : /ops/NGI/Role=NULL/Capability=NULL
attribute : /ops/NGI/Portugal/Role=NULL/Capability=NULL
attribute : /ops/NGI/Spain/Role=NULL/Capability=NULL
attribute : /ops/Role=NULL/Capability=NULL
timeleft  : 11:59:29
uri       : voms2.cern.ch:15009
```

```
[rdiez@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es
rdiez
Proxy with delegation id [rdiez] succesfully delegated to endpoint
[test06.egi.cesga.es]
```

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

```
{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM595144733
```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM595144733
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM595144733]
Status      = [DONE-OK]
ExitCode    = [0]
}}}
```

```
===== test-list-policies.sh (OK) =====
{{{
```

```
[root@test30 tests_verification]# ./test-list-policies.sh\?
revision\=1.3
PAP_CTRL set to: /etc/rc.d/init.d/argus-pap
mar mar 24 13:11:19 CET 2015
---Test-List-Policies---
1) testing list policies on an empty repository

default (local):
No policies has been found.
OK
2) testing list policies
OK
2) testing list policies with wrong pap-alias
org.glite.authz.pap.repository.exceptions.NotFoundException: Not
found: papAlias=dummy_pap
OK
---Test-List-Polices: TEST PASSED---
mar mar 24 13:11:46 CET 2015
}}}
```

```
==== test-ban-unban.sh (OK) ====
{{{
[root@test30 tests_verification]# ./test-ban-unban.sh\?revision\=1.5
PAP_CTRL set to: /etc/rc.d/init.d/argus-pap
mar mar 24 13:13:17 CET 2015
---Test-BAN/UNBAN---
1) testing user ban
OK
2) testing user unban
OK
3) testing unbanning non existing subject
ban policy not found.
OK
---Test-BAN/UNBAND: TEST PASSED---
mar mar 24 13:13:28 CET 2015

}}}
```

```
==== test-ban-unban-fqan.sh (OK) ====
{{{
[root@test30 tests_verification]# ./test-ban-unban-fqan.sh\?view\=co
PAP_CTRL set to: /etc/rc.d/init.d/argus-pap
mar mar 24 13:14:14 CET 2015
---Test-BAN/UNBAN-FQAN---
1) testing fqan ban
OK
2) testing fqan unban
OK
3) testing unbanning non existing fqan
ban policy not found.
OK
---Test-BAN/UNBAND-FQAN: TEST PASSED---
mar mar 24 13:14:24 CET 2015

}}}
```

```
==== test-remove-policies.sh (OK) ====
{{{
[root@test30 tests_verification]# ./test-remove-policies.sh\?
revision\=1.3
```

```

PAP_CTRL set to: /etc/rc.d/init.d/argus-pap
mar mar 24 13:17:31 CET 2015
---Test-Remove-Policies---
1) testing removal with non existing id
error.
org.glite.authz.pap.repository.exceptions.NotFoundException: Id not
found: dummy_id
OK
2) testing removal with resource id
ID=37dc4bf2-b268-4910-bdea-e36c8303d054
OK
3) testing removal with action id
ID=public-c18c4eab-7a86-4361-932a-4f1888962613
OK
4) testing removal with rule id
ID=3540fd44-2a4c-4705-811a-c134e4d4abc9
OK
5) testing removal with multiple rules
ID=e5971737-7d2d-4607-b7e5-5ad2baed5108
1e2e0878-ea5f-48a3-8cb7-f073ad2214fc
8591ace0-349a-445c-bd9b-5aa4fede4cef
OK
6) testing removal with multiple rules and one wrong
ID=eb87cfca-9681-4ecd-b327-3d549503fac0
d3f26820-fc18-48c6-a4a8-b11ef58d919a
05e388a6-2063-477d-adfd-c79851d3049b
error.
org.glite.authz.pap.repository.exceptions.NotFoundException: Id not
found: another-non-existing-id
OK
7) testing removal with empty repository
error.
org.glite.authz.pap.repository.exceptions.NotFoundException: Id not
found: eb87cfca-9681-4ecd-b327-3d549503fac0
OK
---Test-Remove-Policies: TEST PASSED---
mar mar 24 13:19:51 CET 2015

}}

===== pap-ping.sh =====
{{{
[root@test30 tests_verification]# ./pap-ping.sh\?view\=co
PAP_CTRL set to: /etc/rc.d/init.d/argus-pap
mar mar 24 13:20:45 CET 2015
---Test-PAP-Ping---
1) test PAP ping
Contacting PAP at "https://test30.egi.cesga.es:8150/pap/services/"...
ok (PAP version: 1.6.2)
OK
---Test-PAP-Ping: TEST PASSED---
mar mar 24 13:20:48 CET 2015
}}}

===== set-get-pap-orders.sh (OK) =====
{{{
[root@test30 tests_verification]# ./set-get-pap-orders.sh\?
revision\=1.3
PAP_CTRL set to: /etc/rc.d/init.d/argus-pap
mar mar 24 13:21:24 CET 2015

```

```
---Test-Set/Get-paps-order---
1) testing gpo with no order
default
OK
2) testing spo with 3 paps
OK
2) Inverting the order
OK
3) using a non existing alias
org.glite.authz.pap.distribution.DistributionConfigurationException:
Error in remote paps order: unknown alias "local-pp3"
OK
---Test-Set/Get-paps-order: TEST PASSED---
mar mar 24 13:22:01 CET 2015
}}}
```

```
===== set-get-poll-interval.sh (OK) =====
{{{
[root@test30 tests_verification]# ./set-get-poll-interval.sh\?
revision\=1.3
PAP_CTRL set to: /etc/rc.d/init.d/argus-pap
mar mar 24 13:22:43 CET 2015
---Test-Set/Get-Poll-Interval---
1) Setting polling time
OK
2) Retrieving polling time
OK
---Test-Set/Get-Poll-Interval: TEST PASSED---
mar mar 24 13:22:50 CET 2015
}}}
```

```
===== test-authz.sh (OK) =====
{{{
[root@test30 tests_verification]# ./test-authz.sh\?view\=co
mar mar 24 13:23:20 CET 2015
---Test-argus---
PAP_CTRL set to: /etc/rc.d/init.d/argus-pap
1) testing lp with no authorization
OK
2) testing lp with anyone full power
OK
---Test-argus: TEST PASSED---
mar mar 24 13:24:36 CET 2015
}}}
```

```
===== Adding a policy again =====
{{{
[root@test30 etc]# pwd
/opt/glite/yaim/etc

[root@test30 etc]# pap-admin add-policies-from-file my-policy-
sa2v2.spl

[root@test30 etc]# pap-admin add-policies-from-file my-policy-sa2v2-
deny.spl

[root@test30 etc]# pap-admin lp

default (local):
```



```

resource "http://test30.egi.cesga.es/policy" {
  obligation "http://glite.org/xacml/obligation/local-environment-
map" {
  }

  action ".*" {
    rule permit { vo="ops" }
    rule permit { vo="dteam" }
    rule permit { vo="ops.vo.ibergrid.eu" }
    rule permit { pfqan="/ops/Role=lcgadmin/Capability=NULL" }
    rule permit { pfqan="/ops/Role=lcgadmin" }
    rule permit { pfqan="/ops/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/ops" }
    rule permit { pfqan="/ops/Role=pilot/Capability=NULL" }
    rule permit { pfqan="/ops/Role=pilot" }
    rule permit { pfqan="/dteam/Role=lcgadmin/Capability=NULL" }
    rule permit { pfqan="/dteam/Role=lcgadmin" }
    rule permit { pfqan="/dteam/Role=production/Capability=NULL" }
    rule permit { pfqan="/dteam/Role=production" }
    rule permit { pfqan="/dteam/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/dteam" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=VO-
Admin/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=VO-Admin" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=SW-
Admin/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=SW-Admin" }
    rule permit
{ pfqan="/ops.vo.ibergrid.eu/Role=Production/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=Production" }
    rule permit
{ pfqan="/ops.vo.ibergrid.eu/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu" }
  }
}

resource "http://test30.egi.cesga.es/deny" {
  obligation "http://glite.org/xacml/obligation/local-environment-
map" {
  }

  action ".*" {
    rule permit { vo="ops" }
    rule deny { vo="dteam" }
    rule permit { vo="ops.vo.ibergrid.eu" }
    rule permit { pfqan="/ops/Role=lcgadmin/Capability=NULL" }
    rule permit { pfqan="/ops/Role=lcgadmin" }
    rule permit { pfqan="/ops/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/ops" }
    rule permit { pfqan="/ops/Role=pilot/Capability=NULL" }
    rule permit { pfqan="/ops/Role=pilot" }
    rule deny { pfqan="/dteam/Role=lcgadmin/Capability=NULL" }
    rule deny { pfqan="/dteam/Role=lcgadmin" }
    rule deny { pfqan="/dteam/Role=production/Capability=NULL" }
    rule deny { pfqan="/dteam/Role=production" }
    rule deny { pfqan="/dteam/Role=NULL/Capability=NULL" }
    rule deny { pfqan="/dteam" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=VO-
Admin/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=VO-Admin" }
  }
}

```

```
        rule permit { pfqan="/ops.vo.ibergrid.eu/Role=SW-Admin/Capability=NULL" }
        rule permit { pfqan="/ops.vo.ibergrid.eu/Role=SW-Admin" }
        rule permit
{ pfqan="/ops.vo.ibergrid.eu/Role=Production/Capability=NULL" }
        rule permit { pfqan="/ops.vo.ibergrid.eu/Role=Production" }
        rule permit
{ pfqan="/ops.vo.ibergrid.eu/Role=NULL/Capability=NULL" }
        rule permit { pfqan="/ops.vo.ibergrid.eu" }
    }
}
}}}
```

## **New Features/Fixed Bugs**

*None.*

## **Additional Info**

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*None.*