**Operations Management Board (OMB)**

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| **Meeting:** | Operations Management Board |
| **Date and Time:** | 27 August 2013 |
| **Venue:** | Adobe Connect |
| **Agenda:** | https://indico.egi.eu/indico/conferenceDisplay.py?confId=1393 |

Participants 2

ACTION REVIEWS 3

Introduction 5

Policy extension for central emergency suspension 6

Compromised certificate operational procedure 6

Data management across multiple infrastructures: the VERCE use case 7

Inter-NGI usage accounting reports 7

Supporting user communities across EGI and OSG: the WeNMR use case 8

OSG Update 8

Availability/Reliability Mini Project 9

CVMFS - Beyond LHC Computing 10

# Participants

|  |  |  |  |
| --- | --- | --- | --- |
| Name and Surname | Participated | Organisation | Membership[[1]](#footnote-1) |
| Emrah Akkoyun |  | TUBITAK, NGI\_TR | Deputy Member |
| Luis Alves |  | CSC/NGI\_FI | Deputy Member |
| Jan Astalos | YES | UI SAV, NGI\_SK | Member |
| Marian Babik |  | CERN | JRA1/SAM |
| Antun Balaz |  | IPB/NGI\_AEGIS | Member |
| Maite Barroso |  | CERN | Member |
| Goncalo Borges | YES | LIP/IberGrid | Member |
| David Bouvet |  | CNRS/NGI\_FRANCE | Deputy Member |
| Stephen Burke | YES | EGI.eu | Information Officer |
| Daniele Cesini | YES | INFN/NGI\_IT | Deputy Member |
| Keith Chadwick |  | Fermilab | OSG/Security |
| Chun-Chen Chen | YES | TWGRID/Asia Pacific | Member |
| Jeremy Coles | YES | rl.ac.uk/NGI\_UK | Member |
| Ian Collier |  | STFC | Invited Participant |
| Linda Cornwall |  | STFC | SVG Leader |
| Hélène Cordier |  | CNRS/NGI\_FRANCE | Deputy Member |
| Claire Devereux |  | STFC/NGI\_UK | Deputy Member |
| Miroslav Dobrucky |  | NGI\_SK | Deputy Member |
| Helmut Dres |  | KIT | SA1.6/helpdesk |
| Feyza Eryol | YES | TUBITAK/NGI\_TR | Member |
| Tiziana Ferrari  | YES | EGI.eu | Chairman |
| Sven Gabriel | YES | NIKHEF | EGI CSIRT |
| Luciano Gaido  |  | INFN/NGI\_IT | Member |
| John Gordon | YES | STFC | TSA1.5  |
| Guenter Grein |  | KIT | TSA1.6 Leader |
| Nikola Grkic | YES | IPB/NGI\_AEGIS | Deputy Member |
| David Groep |  | FOM | EUGridMPA |
| Nicolai Iliuha |  | RENAM/NGI\_MD | Deputy Member |
| Emir Imamagic | YES | SRCE/NGI\_HR | Member, TSA1.4 |
| Boro Jakimovski |  | NGI\_MK | Member |
| Christos Kanellopouls  |  | GRNET | Mini Project Leader |
| Dave Kelsey |  | STFC | TSA1.2 Leader |
| Paschalis Korosoglou |  | AUTH | TSA1.8 Leader |
| Kostas Koumantaros  | Apologies | GRNET/NGI\_GREECE | Member |
| Daniel Kouril |  | CESNET | TSA1.2/monitoring |
| Malgorzata Krakowian | YES | EGI.eu | TSA1.3 int Leader |
| Alexander Kryukov |  | E-ARENA, ROC Russia | Member |
| Cyril L’Orphelin |  | CCIN2P3 | JRA1/NGI\_FRANCE rep |
| Maarten Litmaath | YES | CERN/WLCG | Member |
| Gilles Mathieu | Apologies | IN2P3/NGI\_FRANCE | Member |
| Ludek Matyska |  | CESNET/NGI\_CZ | Member |
| David Meredith | YES | STFC | JRA1/GOCDB |
| Dimitri Nilsen |  | KIT/NGI\_DE | Member |
| Mats Nylen | YES | NGI\_SE | Member |
| Dulav Oleg |  | KIT | TSA1.6/GGUS |
| Alison Packer |  | STFC | TSA1.5 |
| Alessandro Paolini |  | INFN/NGI\_IT | Member/TSA1.7 sw supp |
| Joao Pina  |  | LIP | Member, TSA1.3 |
| Ernst Pijper |  | SurfSARA/NGI\_NL | Deputy Member |
| Bozidar Proevski |  | NGI\_MK | Deputy Member |
| Rob Quick |  | OSG Operations | Invited Participant |
| Di Qing | YES | TRIUMF/ROC\_Canada | Member |
| Marcin Radecki | YES | CYFRONET/NGI\_PL | Member, TSA1.7 |
| Miroslav Ruda | YES | CESNET/NGI\_CZ | Member |
| Serge Salamanka | YES | UIIP NASB/NGI\_BY | Member |
| Renato Santana |  | CBPF/Latin America | Member |
| Diego Scardaci |  | INFN | JRA1 Act Manager |
| Gianfranco Sciacca |  | SWITCH/NGI\_CH | Deputy Member |
| Alvaro Simon |  | CESGA | VP MPI |
| Mihajlo Savic |  | Uni. B. Luka/NGI\_BA | Member |
| Vladimir Slavnic  |  | IPB/NGI\_AEGIS (Serbia) | Deputy Member |
| Peter Solagna | YES | EGI.eu | SA2 Activity Manager |
| Zdenek Sustr |  | CESNET/NGI\_CZ | TSA1.7 sw support |
| Magda Szopa |  | CYFRONET | TSA1.7/COD |
| Tadeusz Szymocha | YES | CYFRONET | TSA1.7 COD |
| Jura Tarus |  | CSC/NGI\_FI | Member |
| Onur Temizsoylu |  | TUBITAK/NGI\_TR | Deputy Member |
| Ulf Tigerstedt | YES | CSC/NGI\_NDGF | Member |
| Ron Trompert |  | SURFsara/NGI\_NL | Member, TSA1.7 |
| Tomasz Szepieniec |  | CYFRONET | Mini Project Leader |
| Paolo Veronesi | YES | INFN/NGI\_IT | Member |
| Luuk Uljee  |  | SURFsara NGI\_NL | Deputy Member, TSA1.7 |
| Alessandro Usai | YES | SWITCH/NGI\_CH | Member |
| Anders Waananen | YES | UCPH/Denmark | Member |
| Pavel Weber |  | KIT/NGI\_DE | Deputy Member |

# ACTION REVIEWS

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Action Owner** | **Content** | **Status** |
|  |
| **Actions from the 27 August 2013 OMB meeting** |
| **34/01** | NGIs | To contact the OMB or operations at egi.eu to submit an expression of interest to coordinate IPv6 testing. Deadline: Fri Sep 20 | OPEN |
| **34/02** | NGIs | To submit an expression of interest in contributing resources to the EGI pool. Deadline: Fri 13 September | OPEN |
| **34/03** | T. Ferrari | To provide an application form that NGIs can use when submitting an expression of interest for contributing resources to the EGI pool | OPEN |
| **34/04** | T. Ferrari | Contact D. Groep/EUGridPMA to request EUGridPMA to reschedule the default issuing of SHA-2 certificates to 01 December | CLOSED |
| **34/05** | M. Krakowian | To provide summary tables on wiki about which NGIs are interested in providing/consuming operations services 🡪 Wiki page: https://wiki.egi.eu/wiki/Federation\_of\_NGI\_services | CLOSED |
| **34/06** | S. Pullinger | To contact the OMB for feedback about storage accounting views provided by the accounting portal | OPEN |
| **34/07** | P. Solagna | To collect information about StAR readiness of StoRM | OPEN |
| **34/08** | M. Krakowian/S. Burke | To write a howto document for sites that deploy unicore, arc, wcg and globus on how to publish GLUE information (in 1 middleware or mixed middleware configuration) | IN PROGRESS |
| **34/09** | T. Ferrari | Discuss the monitoring of publishing of GLUE information as part of the midmon testing activities | OPEN |
| **34/10** | NGIs | To register NGI ARGUS instances in GOCDB | OPEN |
| **34/11** | T. Ferrari | To discuss the provisioning of a catch-all NGI ARGUS instance for small NGIs | IN PROGRESS |
| **34/12** | T. Ferrari  | Follow up on issue related to the missing results in the ROC\_OPERATORS profile | OPEN |
| **34/12** | NGIs  | To check that all site services support the OPS VO | OPEN |
| **Actions from the 16 July 2013 OMB meeting** |
| **33/02** | T. Ferrari | To request CREAM-CE/VOMS/WMS SHA-2 tests to turn them into OPERATIONS and prepare a ticket template for RODs | CLOSED |
| **33/03** | NGIs | To read the latest version of procedure “EGI CSIRT procedure for compromised certificates and central security emergency suspension” (https://documents.egi.eu/document/1018) and provide comments by 19-07-2013 | CLOSED |
| **33/04** | S. Gabriel | To report on scalability tests of ARGUS replicating the expected load in a national deployment scenario (August OMB) | CLOSED |
| **33/05** | NGIs | To report on results of interoperability results conducted locally in order to contribute information to <https://wiki.egi.eu/wiki/Middleware_argus_interoperability> by August 23 | CLOSED |
| **33/06** | L. Cornwall | To identify a security policy to define VO security contact response time (4 h) 🡪 under discussion by EGI CSRIT | IN PROGRESS |
| **33/07** | L. Cornwall | To submit a requirement to the Operations Portal for modification of the VO ID Card 🡪 document being discussed by EGI CSIRT | IN PROGRESS |
| **Actions from the 18 June 2013 OMB meeting** |
| **32/01** | T. Ferrari | To update the OTAG Mailing list | CLOSED |
| **32/03** | T. Ferrari | To request that test eu.egi.MPI-GOCDB-Check is switched to OPERATIONS 🡪 <https://ggus.eu/ws/ticket_info.php?ticket=95753> | CLOSED |
| **32/06** | NGIs | To provide feedback about the proposed procedure Operational Procedure for Compromised Certificates and Central Security Emergency suspension 🡪 new version of the procedure (v.10) was circulated to the OMB, it is currently under review | CLOSED |
| **32/08** | T. Szepieniec | To circulate a draft of the resource allocation procedures. 🡪 document circulated to the Resource Allocation task force for comments | CLOSED |
| **Actions from the 28 May 2013 OMB meeting** |
| **31/03** | S. Gabriel/EGI CSIRT | To finalize a deployment plan of ARGUS for ARGUS-based NGIs aiming to the enforcement of the central emergency user suspension procedure 🡪 Update at the July OMB 🡪 New update provided at the August OMB | IN PROGRESS |
| **31/08** | D. Scardaci | To assess the impact of end of support of emi-nagios within JRA1 and discuss a mitigation plan | IN PROGRESS |
| **31/09** | P. Solagna | To provide a summary document which defines in which ways the end of support of Torque server config and Torque WN config affects operations of sites and propose mitigation actions where needed 🡪 Presentation at July OMB | CLOSED |
| **Actions from the 12 April 2013 OMB meeting** |
| **30/03** | T. Ferrari | To discuss the usage of long proxy certificates with the user communities with the UCB | OPEN |
| **30/05** | T. Ferrari | To discuss with the UCB the interest in a CVMFS service for application software installation | CLOSED  |
| **Actions from the 26 February 2013 OMB meeting** |
| **28/02** | D. Kelsey | Clarify if publishing of accounting is made mandatory by current EGI policies, and suggest any change or further action to address the local policy issues raised by sites/NGIs (<https://rt.egi.eu/rt/Ticket/Display.html?id=5036>) 🡪 Aug 2013: “the Security Policy on accounting data does not currently "mandate" the accounting - it just deals with how to handle such data” | CLOSED |
| **28/05** | T. Ferrari | To contact NGIs hosting a NGI accounting DB to propose a plan for enforcement of the personal data retention policy at an NGI level | IN PROGRESS |
| **28/06** | T. Ferrari | To assess the need of GGUS support to security operations activities, the use cases and the requirements that may emerge from the assessment 🡪 Being discussed with CSIRT, an update is expected in May 2013 🡪 June 2013: EGI CSIRT will provide a requirement document | IN PROGRESS |
| **28/08** | R. Trompert/COD | To consider the evolution of the ROD index to be a relative metric that reflects the number of sites. Pros/Cons? (<https://rt.egi.eu/rt/Ticket/Display.html?id=5043>) 🡪 | CLOSED |
| **Actions from the 18 December 2012 OMB meeting** |
| **27.06** | G. Borges  | To open a RT requirement for the operations portal to request the differentiation in the operations dashboard of alarms generated by probes for mw version monitoring from other plain alarms | OPEN |
| **Actions from the 26 March 2012 OMB meeting** |
| **20.03** | E. Imamagic | to assess the availability of storage occupation tests in Nagios 🡪 EMI probes have still to be included into SAM, a dependency on the gLite 3.2 UI and DAG is currently delaying this integration. Action on hold until migration to EPEL will be complete. 🡪 request submitted to the SAM Nagios working group (https://rt.egi.eu/guest/Ticket/Display.html?id=5622) | IN PROGRESS |
| **Actions from the 24 January 2012 OMB meeting** |
| **18.04** | E. Imamagic | To assess deployment of NGI SAM failover configuration (<https://rt.egi.eu/rt/Ticket/Display.html?id=3457>) 🡪 waiting to have the operations tools SAM in production at CERN 🡪 action can move to in progress now that a SAM tool for monitoring of NGI SAM installations is available 🡪 at the May OMB the running of NGI SAM tests as OPERATIONS test will be discussed. By running monitoring as OPERATIONS tests SAM performance issues will be detected. | IN PROGRESS |
| **18.05** | E. Imamagic | To distribute documentation on how to trouble shoot the message broker network (<https://rt.egi.eu/rt/Ticket/Display.html?id=3459>) 🡪 IN PROGRESS. Waiting to see the status of the next May SAM update. 19/06: SAM update released to end of June.  | IN PROGRESS |
| Note: Actions from previous meetings are closed. |

# Introduction

T. Ferrari/EGI.eu

A call of interest for coordinating the IPv6 testing activities conducted in collaboration with WLCG is now open. Activities were previously coordinated by GARR. More information about the testbed and the activities conducted so far is available at <https://wiki.egi.eu/wiki/IPv6>. **ACTION (NGIs): To contact the OMB or operations at egi.eu to submit an expression of interest to coordinate IPv6 testing. Deadline: Fri Sep 20**.

An update on the outcome of the global task re-bidding for the EGI-InSPIRE project phase which will start on 01 May 2014, and the next steps is provided.

The EGI Council approved in June the implementation of an EGI-wide resource pool to support user resource requests that are peer reviewed by the Scientific Review Committee. The Resource Allocation Task Force and the Resource Allocation mini project are working on the development of a system that automates some of the procedures needed for resource allocation. Any Resource Provider (NGI or Resource Centre) that will contribute resources to the EGI pool, will be always in full control of the local policies for resource allocation. The Resource Provider retains the right of not supporting a successfully peer reviewed resource request, in case of clashes with the local resource allocation policies. The first call for participation to the EGI resource pool is now open.

**ACTION (NGIs): all NGIs are invited to submit an expression of interest in contributing resources to the EGI pool by Friday 13 September**.

**ACTION (T. Ferrari): to provide a template that NGIs can use when submitting an expression of interest for contributing resources to the EGI pool**.

The existing VO-discipline mapping was inherited from EGEE times and is now obsolete. A new scientific discipline categorization was approved in June. VO mapping to discipline mainly affects VO ID Cards and accounting aggregations. The EGI.eu team will approach the VO Managers to define the new VO mapping. Development in the operations tools to adapt to this new categorization will take place in the coming months.

Coordination of the EGI accounting infrastructure will be handed over by A. Packer/STFC to S. Pullinger/STFC.

The CVMFS task force was constituted and started its works. A meeting will be held during the EGI Technical Forum and an introductory webinar will be provided on the 5th of September (<https://operations-portal.egi.eu/broadcast/archive/id/999>).

# Status of migration for SHA-2 support

Tadeusz Szymocha (CYFRONET)

The upgrade campaign of EMI-2 services not yet supporting SHA-2 (CREAM, WMS, VOMS, StoRM) has been progressing well during August. To date, 19 NGIs/57 sites are still hosting non-compliant services.

Two services: non-compliant versions of StoRM and dCache are still not being actively tracked with alarms in the operations dashboard because no replacement software is yet available in UMD. Production quality versions of StoRM and dCache will be likely released in UMD at the beginning of September, assuming all the tests in staged rollout proceed well.

According to the ROD feedback received and the feedback in the tickets, only 3 sites have problems with upgrading after 01 October, mainly because of technical issues or lack of effort. 13 sites have no migration plans, these will be contacted again. Some non-production service instances where detected by monitoring as these end-points are being published to the top-BDII: these sites will be contacted individually to understand what went wrong.

dCache 2.6.5 (supporting SHA-2) was released and is currently in the UMD software provisioning queue, being tested, if tests are successful, it will be then released in UMD. The product team is still working on the previous golden release 2.2.16, that is being patched as well to support sha-2.

StoRM 1.11.1 was rejected because of load problems in July. Version 1.11.2 has being undergoing scalability tests, and is expected to be released this week.

The release of dCache and StoRM is expected at end of August or beginning of September if everything goes well in the staged rollout phase. dCache 2.2.16 will be released in UMD 2 depending on the availability of early adopters

**DECISION. The OMB requests EUGridPMA an extension of the SHA-2 timeline aiming at rescheduling the start of the default release of SHA-2 certificates to 01 December instead of 01 October. The following SHA-2 roadmap is approved:**

* **StoRM and dCache monitoring of non-SHA-2 software versions will be activated as soon as StoRM 1.11.2 and dCache 2.6.5 are available in UMD**
* **OMB to send a request to EUGridPMA asking for a rescheduling of the default issuing of SHA-2 certificates to 01 December (ACTION – T. Ferrari)**
* **By 30 November non SHA-2 compliant services will have to be retired.**

M. Litmaath reports on the readiness of the WLCG community. T1 sites with the biggest storage installations have problems with upgrading by the end of September. SHA-1 has to work beyond Oct 01 for WLCG, but it is agreed that minimizing this time is desirable.

# Federation of NGI operations services

Malgorzata Krakowian/egi.eu reports on the outcome of the survey conducted to help NGIs share operations services among them to leverage community expertise. Several NGIs are available as service providers as well as interested in consuming services from other NGIs. Slides provide detailed information about which NGIs are interested in offering services. NGIs are encouraged to contact other NGI operations managers to establish agreements.

ACTION (M. Krakowian): to provide summary tables on wiki about which NGIs are interested in providing/consuming operations services

# Status of accounting

John Gordon/STFC reports on the status of storage accounting clients and testing after the initial release with EMI 3.0. The StAR usage record is being used by EMI 3.0 clients; publishing relies on the APEL SSM 2.0 protocol. EMI clients were tested to check for compliance to the StAR format requirements (but semantics can be different). NGI Italy has a different mechanism for retrieving storage accounting information: use is extracted from BDII and information formatted so that it can be published centrally.

All EMI-3 clients have already been released in UMD.

As for storage, SSM-2 is the publishing protocol also used by CPU clients.

Accounting portal views of storage accounting information are discussed. A hierarchy of views as available for CPU accounting is proposed.

**ACTION (S. Pullinger/APEL team): to provide access to test storage accounting views for feedback from the OMB**.

**ACTION (P. Solagna): to collect feedback from the StoRM team about their plans for support of StAR storage accounting publishing**.

M. Radecki: what granularity of aggregated views will be available? Is accounting information available per subgroup? This is important for resource allocation activities and report on usage of storage allocations.

Cloud accounting views are not provided by the production instance of the accounting portal at the moment. Some views are available at:

* <http://accounting-devel.egi.eu/cloud.php>
* <http://goc-accounting.grid-support.ac.uk/cloudtest/cloudsites2.html>

# GOCDB v.5

David Meredith/STFC provides an overview of the upcoming new major release of GOCDB: GOCDB v5. GOCDB v5 replaces the backend of GOCDB v4 completely, which is currently strongly dependent on ORACLE. With GOCDB v5 different back ends will be supported: Postgres, mysql etc., thanks to DB mapping features provided by Doctrine.

GOCDB v5 is as backward compatible as possible. It provides GLUE 2 rendering of GOCDB data, non ascii characters will be however supported in a post v5 release.

GOCDB v5 supports scoping: this allows service end-points and sites to be part of EGI and/or of different arbitrary infrastructures (multiple scopes can coexist).

In GOCDB v5 each entity type is assigned an ID from a global pool. Only for downtime and site the primary key is carried over, no other requirements were received so far for other types

A test instance is available, even if performance issues with the hosting hardware are being experienced. The test instance was populated with V4 data and will be maintained in read only mode. The provisional release date is the 2nd of Sep, in case of issues, an extension will be applied.

IberGrid has couple of tools depending on GOCDB and the test instance will be tested to see if changes to the PIs are causing trouble. M. Litmaath reports on WLCG tools dependencies on the downtime PI. D. Meredith: the downtime PI is backward compatible

M. Litmaath: will contact the WLCG VOs to check interoperability.

# Accounting and BDII publishing campaign

Malgorzata Krakowian/EGI.u provides an update on the readiness of various middleware stacks with regards to publishing of accounting information into the central APEL DB and of GLUE information into BDII.

Accounting

* ARC-CE publishing with JURA is not ready. JURA is working in in ARC-CE 3.0.3, however version 3.0.3 is not ready in UMD, it is being under EPEL testing and will be available in UMD afterwards 🡺 Sites are recommended to wait for v 3.0.3.
* Problems of incomplete information publishing are reported for GRAM, but this should not prevent sites from publishing accounting.
* CONCLUSION: ARC-CE/JURA v 3.0.3 is recommended. UNICORE and QCG are ready, publishing of GRAM 5 information is also recommended.

A SAM problem is reported for ARC-CE nodes to be associated to the APEL GOCDB service type for APEL-Pub and APEL-Sync tests which causes the generation of JobSubmit tests, which fail because of a ARCE-CE/WMS incompatibility (<https://ggus.eu/ws/ticket_info.php?ticket=91559>, <https://tomtools.its.cern.ch/jira/browse/SAM-3203>). For legacy reasons, APEL has a parent metric set to CREAM-CE test. This SAM bug is corrected in Update 22.

E. Imamagic: For ARC-CE to be able to publish results to the central APEL DB, a new service endpoint in GOCDB with same hostname, gLite-APEL service type and host DN need to be defined.

GLUE

* QCG publishing is still under development
* ARC-CE, UNICORE, GRAM5 can publish GLUE 2 information.

A Site BDII may have to be added to be able to publish to a top-BDII instance.

**ACTION (M. Krakowian, S. Burke): to write a howto document for sites that deploy unicore, arc, wcg and globus on how to publish GLUE information (in 1 middleware or mixed middleware configuration)**.

EMIR: publishing of GLUE 2 information can be tested in midmon. **ACTION (T. Ferrari)**

# ARGUS testing for implementation of emergency central user banning

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| --- |
| Dr. Sven Gabriel /FOM updates the OMB on the status of ARGUS as service for the enforcement of the central user emergency suspension policy. ARGUS is a site service and site can only use a NGI instance if policies are using a consistent pool account list (but currently sites are free to use a own set of pool accounts, this is site specific). An NGI ARGUS is not expected to suffer from scale problems according to the experience gathered at CERN.The concept of a fake ARGUS is discussed. Site willing to use a local fabric management system can still use ARGUS just to talk to the NGI ARGUS fetching suspension information from there (suspension information is propagated to fabric management locally). By doing so, local policies can still be used, and services do not need to be reconfigured to use ARGUS.GOCDB can provide already host certificate DN information for ARGUS end-points (this is optional information).NGI ARGUS instances are needed for testing.**ACTION (NGIs): NGIs that deploy a national ARGUS instance to register that in GOCDB (emi.ARGUS service type). These can be used to implement a testbed.**Testing roadmap:1. Implementation of a testbed of NGI ARGUS instances starting from available NGI services
2. Run scale tests

G. Borges: what is the support level of ARGUS? T. Ferrari: support in GGUS will continue according to a base profile. ARGUS is part of the EGI core infrastructure and funding will be made available for 2nd level support after April 2014.CREAM-CE is reported to not be able to notify what type of policy mechanism is in use to authorize users (local fabric management system as lcmaps vs ARGUS). This can be a problem to track the enforcement of the policy.M. Litmaath: Sites should be encouraged to run their local ARGUS service for practical issues like pool accounts. In addition, the unavailability of a NGI ARGUS service will cause all relying sites to fail as well as user authorization will depend on the NGI ARGUS service. ARGUS is well documented, is a simple service, it can be run in a VM and provides full local control. |

T. Ferrari. Does ARGUS provide a HA configuration? CERN is testing this as the scalability can be compromised by overloading the server with a single user.

# Missing OPS support

Emir Imamagic (SRCE)

Several test results are missing from the ROC OPERATORS profile, which includes all tests that generate alarms to the operations dashboard. A lot of NGIs and sites are with status missing.

Several NGIs have LFC tests disabled, in some cases sites with LFC services do not support the OPS VO (e.g. the Polish and French NGI).

T. Ferrari: support of OPS VO is mandatory as defined in the Resource Centre OLA.

The status of missing results for the ROC OPERATORS profile can be checked at:

<http://grid-monitoring.egi.eu/myegi/gridmap/?groupname=&sitename=&vo=37&profile=26&dview=Status&grouptype=2&size=1&date=09-09-2013+13%3A17%3A54>

The issues with France and Poland will be followed-up off line.

SAM Update 22: the testing phase will be extended, 3 WLCG VOs participated to the SAM VO testing (one is still due to report results). Staged rollout is expected in September.

# AOB

M. Krakowian reports on the status of QCG tests: these will be CRITICAL thus impacting availability statistics as of **01 October**. SAM Update 22 has new set of QCG probes, these are already deployed in NGI\_PL which is currently the only NGI affected by the change.

Next meeting: 16th of July 2013.

1. Member, Observer, in Attendance [↑](#footnote-ref-1)