**Operations Management Board (OMB)**

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| **Meeting:** | Operations Management Board |
| **Date and Time:** | 18 June 2013 |
| **Venue:** | Adobe Connect |
| **Agenda:** | https://indico.egi.eu/indico/conferenceDisplay.py?confId=1391 |

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# Participants

|  |  |  |  |
| --- | --- | --- | --- |
| Name and Surname | Participated | Organisation | Membership[[1]](#footnote-1) |
| Emrah Akkoyun |  | TUBITAK, NGI\_TR | Deputy Member |
| Luis Alves | YES | CSC/NGI\_FI | Deputy Member |
| Jan Astalos |  | UI SAV, NGI\_SK | Member |
| Marian Babik |  | CERN | JRA1/SAM |
| Antun Balaz |  | IPB/NGI\_AEGIS | Member |
| Maite Barroso |  | CERN | Member |
| Goncalo Borges |  | 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 | YES | STFC | SVG Leader |
| Hélène Cordier |  | CNRS/NGI\_FRANCE | Deputy Member |
| Mario David |  | CNRS/VERCE Porject | Invited Participant |
| Claire Devereux |  | STFC/NGI\_UK | Deputy Member |
| Miroslav Dobrucky | YES | NGI\_SK | Deputy Member |
| Helmut Dres |  | KIT | SA1.6/helpdesk |
| Feyza Eryol | YES | TUBITAK/NGI\_TR | Member |
| Tiziana Ferrari | YES | EGI.eu | Chairman |
| Alessandra Forti |  | WLCG | Invited Participant |
| Sven Gabriel |  | NIKHEF | EGI CSIRT |
| Luciano Gaido |  | INFN/NGI\_IT | Member |
| John Gordon |  | STFC | TSA1.5 |
| Guenter Grein | YES | KIT | TSA1.6 Leader |
| Nikola Grkic |  | 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 | YES | GRNET | Mini Project Leader |
| Dave Kelsey |  | STFC | TSA1.2 Leader |
| Paschalis Korosoglou |  | AUTH | TSA1.8 Leader |
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| Daniel Kouril |  | CESNET | TSA1.2/monitoring |
| Malgorzata Krakowian | YES | EGI.eu | TSA1.3 int Leader |
| Alexander Kryukov | YES | E-ARENA, ROC Russia | Member |
| Cyril L’Orphelin | YES | CCIN2P3 | JRA1 |
| Gilles Mathieu |  | IN2P3/NGI\_FRANCE | Member |
| Ludek Matyska |  | CESNET/NGI\_CZ | Member |
| David Meredith | YES | STFC | JRA1/GOCDB |
| Dimitri Nilsen |  | KIT/NGI\_DE | Member |
| Mats Nylen |  | 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 | YES | 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 |  | CESNET/NGI\_CZ | Member |
| Serge Salamanka |  | UIIP NASB/NGI\_BY | Member |
| Renato Santana |  | CBPF/Latin America | Member |
| Diego Scardaci |  | INFN | JRA1 Act Manager |
| Gianfranco Sciacca | YES | 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 |  | 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 | YES | SURFsara/NGI\_NL | Member, TSA1.7 |
| Tomasz Szepieniec |  | CYFRONET | Mini Project Leader |
| Marco Verlato |  | INFN/WeNMR | Invited Participant |
| Paolo Veronesi |  | INFN/NGI\_IT | Member |
| Luuk Uljee |  | SURFsara NGI\_NL | Deputy Member, TSA1.7 |
| Alessandro Usai |  | SWITCH/NGI\_CH | Member |
| Anders Waananen | YES | UCPH/Denmark | Member |
| Pavel Weber |  | KIT/NGI\_DE | Deputy Member |

# ACTION REVIEWS

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Action Owner** | | **Content** | | | | **Status** |
|  | | | | | | | |
| **Actions from the 18 June 2013 OMB meeting** | | | | | | | |
| **32/01** | | T. Ferrari | | To update the OTAG Mailing list | | IN PROGRESS | |
| **32/02** | | T. Ferrari | | To request that tool tests (both NGI and EGI.eu central ones) are switched to OPERATIONS 🡪 CLOSED. <https://ggus.eu/ws/ticket_info.php?ticket=94374> | | 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> | | IN PROGRESS | |
| **32/04** | | T. Ferrari | | To request that tests GRAM5 and UNICOREX are added to the ROC\_CRITICAL profile 🡪 <https://ggus.eu/ws/ticket_info.php?ticket=95068> | | CLOSED | |
| **32/05** | | NGIs | | To provide feedback about the preferred SHA-2 retirement campaign (optional vs mandatory decommissioning) by the 28th of June | | CLOSED | |
| **32/06** | | NGIs | | To provide feedback about the proposed procedure Operational Procedure for Compromised Certificates and Central Security Emergency suspension | | IN PROGRESS | |
| **32/07** | | T. Ferrari | | To send a call for participation to SAM Update 22 testing | | CLOSED | |
| **32/08** | | T. Szepieniec | | To circulate a draft of the resource allocation procedures. | |  | |
| **Actions from the 28 May 2013 OMB meeting** | | | | | | | |
| **31/02** | | NGIS | | To contact sites that offer MPI capabilities through CREAM to register service end-points of type eu.egi.MPI in GOCDB. The registration of these service end-points is requested by 31-06-2013. 🡪 CLOSED. Tests running on midmon will become OPERATIONS in July. | | CLOSED | |
| **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 | | IN PROGRESS | |
| **31/04** | | NGIs | | To provide comments about the switching of VO SAM and NGI SAM monitoring metrics to OPERATIOSN by the 14th of June 🡪 CLOSED. Change implemented in July | | CLOSED | |
| **31/06** | | T. Ferrari, M. Krakowian | | To open a new survey with detailed operations services portfolio for sharing of services across NGIs 🡪https://wiki.egi.eu/wiki/EGI\_Operations\_Surveys#NGI\_services\_provisioning\_and\_usage | | CLOSED | |
| **31/07** | | E. Imamagic | | To implement SHA-2 monitoring probes and propose a deployment plan (by which Nagios instance these probes will be run). The monitoring infrastructure has to be ready by 01 July (<https://rt.egi.eu/rt/Ticket/Display.html?id=5639>) 🡪 Monitoring infrastructure implemented on midmon. | | CLOSED | |
| **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 | | IN PROGRESS | |
| **Actions from the 12 April 2013 OMB meeting** | | | | | | | |
| **30/01** | | NGIs for site managers | | NGIs to contact site managers of sites offering MPI support through CREAM CEs so that in preparation to SAM Update 22, all sites supporting the MPI capability register eu.egi.MPI service end points) 🡪 CLOSED. Remaining sites will be notified via GGUS tickets | | CLOSED | |
| **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 | | IN PROGRESS | |
| **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>) | OPEN | |
| **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 | 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>) | OPEN | |
| **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 20 November 2012 OMB meeting** | | | | | | | |
| **26.01** | | K. Koumantaors | | To keep the OMB informed about progress in migrating notification features of VOMRS to VOMS 🡪 difficulties are being experienced to keep the current notification features available in VOMRS. The problem is being discussed with the VOMS developers. 🡪 waiting for the EMI 3 release of VOMS 🡪 27-05-2013 discussion in progress with developers | | ON HOLD | |
| **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 (see slides)

The EMI 1 decommissioning campaign is progressing well. dCache and StoRM have a different extended security support calendar compared to other EMI 1 products. The support calendars and the related decommissioning depend on the availability of a SHA-2 compliant version that is ready for production. The calendar is available at: https://wiki.egi.eu/wiki/Software\_Retirement\_Calendar

Ulf reports on testing activities of dCache 2.6.0, various bugs were found and it is not ready for production. V. 2.6.2 which was released last week seems more promising. Problems are related to Java 7 with broken ssl support.

**DECISION. The OMB approves the turning of VO SAM and NGI SAM tests into OPERATIONS as of 01-07-2013 so that sites hosting these services can get alarms in the operations dashboard in case of failure**. **ACTION 32/02 (T. Ferrari). EGI.eu tests will be also switched to OPERATIONS.**

**DECISION. The OMB approves the turning of test eu.egi.MPI-GOCDB-Check into OPERATIONS as of 01-07-2013 to notify site administrators about the need of registering MPI service instances into GOCDB. ACTION 32/03 (T. Ferrari).**

**DECISION. The OMB approves the turning of UNICOREX and GRAM5 tests into OPERATIONS and AVAILABILITY (this meaning that alarms will be generated in the operations dashboard in case of failure and results will contribute to monthly availability/reliability statistics of sites). ACTION 32/04 (T.Ferrari).**

ROD NGI\_PL provided feedback about PROC17 which deals with the steps needed to retire an obsolete service type.

**DECISION. The OMB approves PROC17 after the various changes suggested are implemented**.

D. Cesini: NGI Italy is interested in participating to XSEDE-EGI collaborative work for the support of COMPCHEM and WeNMR. T. Ferrari: some preparatory meetings will be organized prior to XSEDE 2013.

# SHA-2 retirement

T. Ferrari/EGI.eu

StoRM v 1.11.1 is the first working with first working with SHA-2.

Two options are discussed for the handling of non-SHA-2 compliant software: the optional retirement of the mandatory one. As of 01-10-2013 users holding a SHA-2 certificate will experience authorization errors when accessing non-compliant services. In addition, tests may fail in case of OPS renewed certificates that are SHA-2, this will impact the availability and reliability of Resource Centre statistics). Robot certificates must also be tested for SHA-2 support especially when relying on hardware devices.

**ACTION (NGIs): to provide feedback about the preferred option (optional vs mandatory) by the 28th of June**.

OPS (CERN) and DTEAM (GRNET) VOMS services will have to be migrated for SHA-2 compliance during the summer.

# EGI CSIRT Operational Procedure for Compromised Certificates and Central Security Emergency suspension

L. Cornwall/STFC presents the proposed procedures for compromised certificates and central emergency suspension. Note: The procedure was already approved by EGI CSIRT.

The procedure defines what type of certificate may be compromised (user or host certificate, robot certificate, CA) – the last two cases are very unlikely – and the conditions when central suspension is needed. The main reason for this is to allow for a quick suspension of the DN involved in an incident (so that sites do not need to carry a specific action); suspension is under control of EGI CSIRT (no need to have CRL uploaded) and a DN can be re-instated quickly. The ultimate goal is protecting sites from malicious jobs or misuse. Local policies can override but sites will be accountable

The procedure defines examples of criteria of when central security emergency suspension may be carried by EGI CSIRT on user or robot certificates:

* System containing proxies or private keys compromised
* This is a type of incident
* Normal User certificate private key shared with others
* Usable private key or proxy copied to location readable by others, e.g. web page
* Private keys should always be password protected
* User e-mailed proxy to mailing list with world readable archive
* Device stolen containing unprotected private keys, or potentially usable private keys

Not all circumstances can be fully listed in the procedure, the procedure will be applied at the EGI CSIRT discretion.

Note well: the suspension does not stop jobs already running, this is handled through the security incident handling procedure.

Compromised user certificate is the case which is more likely. EGI CSIRT may decide to not undertake any action, e.g. if there is no incident, just a vulnerability (so no emergency suspension will be undertaken), in this case just the certificate will be revoked.

**ACTION (NGIs): NGIs are requested to provide feedback on the OMB mailing list by the 16th July**.

# Update on SAM release 22

E. Imamagic/SRCE

Update 22 is being deployed in pre-production. Some issues with the databases need to be fixed (but no definite deadline is available to date). Once the testing phase is over, the NGIs will have to participate to the testing phase. This requires the deployment of a completely new box, that points to the pre-production boxes seeing if everything works as expected. The duration of NGI testing is expected to be two weeks.

Risks: there are still pending issues with probes, which need to be fixed by the product teams. This can increase the time until final release. The WLCG VO SAM validation needs to run in parallel.

Another risk is based on the use of unsupported software: SAM is using unsupported software, namely Yaim core and EMI-Nagios.

For the staged rollout, SAM22 requires a full reinstallation,

UNICORE and Globus tests are not going to change in SAM Update 22, most of the new probes concern gLite and ARC products.

**ACTION (T. Ferrari): to send a call for participation to testing to NGIs**

# Availability/Reliability operations portal module

C. L’Oprphelin/CNRS presents the features of the new Availability/Reliability Module of the Operations Portal, in particular the league tables for VO-oriented availability computation. The prototype is currently computing statistics for the most active VOs (the list is extracted from the Accounting Portal PI).

VO-oriented views of Availability and Reliability statistics are computing summarizing OPS test results and by including only those services that actually support a given VO (for those services where information is available from the BDII). The list of VOMS instances supporting a VO is on the other hand extracted from the VO ID Card.

In the future the Operations Portal may consume information made available by the Programmatic Interface to be made available by the mini project (see following presentation).

For the current prototype production data available from the SAM programmatic interface.

Feedback is welcome through the RT requirements queue.

# MiniProject report on Resource application and allocation

T. Szepieniec/CYFRONET (see slides)

Tomasz provides an overview of the Mini Project which aims at developing tool support to automate processes for resource application and allocation.

The design phase was just completed, the development phase started at the beginning of June.

The term Pool is used to refer to the capacity of resources available to EGI for allocation according to some agreed local policies.

An overview of the resource application and allocation is provided according to the outcome of the task force on resource allocation.

An interface with the EGI SSO will be provided. Only the EGI SSO is requested to users to request resources. In the first prototype the matchmaking between requirements and offers will be semi-automatic. The technical framework that will be used is Agreemount (proprietary), as it is aligned with service management best practices and is easy to customize (for example to accommodate changes in the procedures to be implemented).

The input that is required to progress with the development is:

* The detailed SLA metrics
* The detailed Pool description
* Information on the interface with the scientific review

The step-by-step procedure that defines the process is being drafted. At the end of June a draft will be ready for further comments. After June this will be implemented in the tool.

Integration with GOCDB and caching is in progress. The integration with the EGI SSO has been just started.

# MiniProject report on Availability/Reliability computation

C. Kanellopolous/GRNET

An overview of the current ACE framework, and the VO and NGI reporting (being drafted in the operations portal). The front end of Availability and Reliability statistics will be provided by the Operations Portal just presented.

Information is extracted from GOCDB for topology. Hadoop is used to store monitoring results. The results of the computation are published by an API, and the results will be used by the Operations Portal.

Initially the ACE functionality will be replicated for validation. A prototype will be available in September 2013. Recalculations will be also possible. Multiple backend will be supported (currently POSIX) to store the data.

Profiles are maintained by POEM centrally, profiles are periodically downloaded. Historical data of the profile will be handled. Topology is downloaded on a daily basis. ACE currently uses topology at the time of computation (does not consider history), uses the last day topology. This often generates the need to recompute results.

The period of retention of topology information has to be determined.

The Availability/Reliability computation engine is based on the HIVE framework.

In the future different aggregation mechanisms than AND and OR will be possible.

The recalculation functionality will be via an API, a recalculation will be possible.

The User Interface will be on top of the Lavoisier engine and will consume the PI raw data.

M. Radecki: when input on requirements is expected? Christos: currently the idea is of replicating existing functionality available in SAM, after this is accomplished, requirements will be gathered to drive the rest of the developments (these are almost ready to start).

# AOB

Next meeting: 16th of July 2013.

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