Joint Security Policy Group

Site Registration Policy & Procedure

Date:	**7 February 2005**
EDMS Reference:	https://edms.cern.ch/document/503198/
Internal Version:	**1.7**
Status:	**draft**
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Document Log			
Issue	**Date**	**Author**	**Comment**
1.0	29-Sep-04	Maria Dimou	Submit for JSG meeting of 04-Oct-04
1.1	06-Oct-04	Maria Dimou	Comments from the 04-Oct-04 JSG meeting participants, Ian Bird, Markus Schulz.
1.2	19-Nov-04	Maria Dimou	Comments from the 02-Nov-04 JSPG meeting participants.
1.3	23-Nov-04	Maria Dimou & Ian Neilson	Additions by Ian Neilson.
1.4	01-Dec-04	Maria Dimou	Comments by K.Koumantaros, O.Prnjat (SEE ROC) and other participants of the JSPG-ROC-CIC meeting in The Hague on 25-Nov-04
1.5	10-Dec-04	Maria Dimou	Comments from the 06-Dec-04 JSPG meeting participants and Ian Neilson.
1.6	26-Jan-05	Maria Dimou	Comments from B.Cowles,M.Crawford,J.Gordon,D.Kelsey,K.Koumantaros,I.Neilson,O.Prnjat and the 15-Dec-04 GDB participants.
1.7	07-Feb-05	Maria Dimou	Comments from the ROC managers meeting of 01-Feb-05, I.Bird, J.Gordon, D.Kant,I.Neilson.

1 Introduction

LCG/EGEE operating security policies place responsibilities on all participants. This site registration policy and procedure document aims to ensure that resource providers understand and have agreed to honour their responsibilities and that they have the necessary information available to perform their duties. Another reason for this procedure is to record at the level of the Grid Operation Centre (GOC) valid Resource Administrators' and Site Security Contact information, in order for the Core Infrastructure Centre (CIC)[1] and ROC to promptly act, in case of service change or problem.

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2 Definitions

A ***Grid Service*** is a set of computing facilities which are made available to a community of Grid users via the Internet. Grid Services include, but are not limited to, User Interfaces, Computing Elements, Information Services, Resource Brokers with Logging and Bookkeeping service, Replica Catalogues, Storage Elements and Virtual Organisation Management Services.

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A ***Site*** is an institute providing one or more Grid Services.

A ***Site Security Contact*** is an individual who acts as point of contact for matters relating to computer and network security incidents.[2]

The ***Grid Resources*** at a site are the hardware, software, data and supporting infrastructure required to provide the Grid Services operated by that site.

The ***Resource Administrator*** of a Grid Service at a site is the person responsible for providing and maintaining a Grid Resource or Grid Service at that site.

The ***Regional Operations Centre (ROC) manager*** assists sites through the deployment of middleware releases and the development of operational procedures. He/she ensures that the sites get adequate support during deployment and operations and that the operational procedures are enforced within the region.[3]

The ***Site manager*** is the individual who has overall responsibility for the operation of a site.

The ***Grid Operations Centre (GOC)*** has a responsibility for co-ordinating and monitoring the operation of the Grid Infrastructure.[4] (This is now done by CICs)

The ***Institute Representative (IR)*** [5] is the person at the user's employing institute, who can check the validity of his/her data and confirm the identity of the user and his/her right to become or remain a member of a Virtual Organisation (VO).

3 Site Registration Policy Requirements

The following information MUST be provided before a candidate site participates in the Grid.

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[1] Core Infrostructure Centers, operation portal: http://cic.in2p3.fr

[2] Agreement on Incident Response: https://edms.cern.ch/document/428035

[3] Complete ROC definition in http://cern.ch/egee-sa1/Organisation.htm#roc

[4] Complete GOC definition in http://goc.grid-support.ac.uk/gridsite/gocmain/whatisGOC.html

[5] Taken from the User Registration and VO Membership Management Requirements document: https://edms.cern.ch/document/428034

3.1 Registration Information

The data of points 4 and 6 in this list will only be available to the Grid security officers and the GOC and the related ROC. The rest of the information will be made available for access in the GOC database[6] by authorised Grid participants.

1) The full name of the participating institute, applying to become a site.

2) The abbreviated name of the site to be published in the Information System.

3) The name, email address and telephone number of the Site manager.

4) The name email address and telephone number of the Site Security Contact.

5) The email address of a managed list for contact with Resource Administrators at the site.

6) The email address of a managed list for contact with the site security incident response team.

7) The name of the ROC providing support for the site.

Additional individual contact information may be provided if necessary for items 3 and 4 above, but the first named will be the primary responsible.

Circulation restrictions may apply to some of the items in the registration data, especially related to security contacts.

The ROC manager or alternate must be satisfied that the designated candidate Site manager has the authority within the Institute to operate the site.

He/she needs to establish trust with the Site manager, who will verify the candidate site information (names, email addresses and telephone numbers).

The ROC manager may decide to request a written statement from the Institute or Department Head certifying the authority delegated to the Site manager.

In cases where no ROC is applicable (e.g. non-European sites) or in cases of dispute with the ROC, the candidate site can present its candidature or escalate its case to the Grid Deployment Board (GDB)[7] or the EGEE Project Management Board (PMB)[8]. These bodies will communicate, via the Project Operations Manager, their decision to the GOC manager who will perform the site registration (for cases of no ROC) or to the relevant ROC (escalation cases) which will be obliged to provide support.

(I'll put this phrase much softer, no one is willing to deny support, but support must be agreed in advance at regional level. PMB can only decide for RC belonging to the institutions part of the Consortium, The RC of a generic institution can ask to be part of the infrastructure only if the relevant agreement at the national level have been established . For example, Italian university x.y or company w.z that want to be part of the infrastructure, have to be approved at national level. GDB or PMB could make suggestion but not obligation for non Egee or non LCG partners)

3.2 Policy Acceptance Agreement

The designated candidate site manager MUST provide a statement that all users, administrators and other necessary personnel at their site will be informed of and agree to abide by all relevant Grid operating policies[9].and if necessary Regional Operation policies.

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[6] GOC database (access requires personal certificate loaded on the browser) https://goc.grid-support.ac.uk/gridsite/db/index.php

[7] http://cern.ch/lcg/peb/gdb

[8] http://cern.ch/egee-intranet/Project-Structure/boards/PMB.html

[9] http://cern.ch/proj-lcg-security/sites/for_sites.htm and http://cern.ch/proj-lcg-security/documents.html

The Site Security Contacts and team members will be informed of and agree to follow the LCG/EGEE Security Incident Response procedure[2] and the relevant Open Science Grid (OSG) Guide[10].

3.3 Operational Requirements

Sites MUST support the DTEAM VO.

4 Registration Procedure

Steps:

1. The Resource Administrator and the Site manager at the candidate site obtain digital certificates, issued in their personal names, from an accepted Certification Authority (CA). These certificates will be needed later on for accessing the GOC database, registering with the DTEAM VO and submitting jobs to the Grid while testing their site configuration.

2. The Site manager at the candidate site contacts the relevant ROC[11], giving required Registration Information items 1-3 and a statement of acceptance of the policy documents.

3. If the ROC is satisfied that this is a genuine candidate site, the ROC manager can create the new site's record in the GOC database. When no ROC applies, the request to the GOC manager will come from the Project Operations Manager. Write access to this record will be given to Site manager, Resource Administrator and ROC manager. At this stage the site status will be marked as *'candidate'*.

4. The Resource Administrator at the candidate site enters the remaining information in the GOC database then requests validation by the ROC.

5. If all required site information has been provided, the ROC manager (or GOC manager in case of no ROC) changes the site status to '*uncertified'*.

5 Site Certification Procedure

Having completed the Registration Procedure described above the Resource Administrators at the site should:

1. Apply for DTEAM VO membership to allow test job submission to check the completeness of the local installation.
2. Contact the relevant ROC and ask for quality testing of the site installation.
3. Request the CIC-on-duty to perform further acceptance tests[12], before including the new site in the Information System. Successful acceptance in the Information System will make the site appear in the relevant configuration file[13].
4. ROC changes site status in the GOC database to '*certified'*.
5. From now on the site will show on the daily site functional tests' report[14]

Moreover the operational procedure[15] will be improved and the acceptance test and the request to be inserted/removed in the information system, could be performed by the ROCs in agreement with the Cic-on-duty, to address acceptance and certification scalability issues.

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[10] http://computing.fnal.gov/cgi-bin/docdb/osg_public/ShowDocument?docid=19

[11] Find your ROC in http://cern.ch/egee-sa1/ROC-support.htm

[12] The Operations' Manual describes the site monitoring and functional test suite: http://lcgdeploy.cvs.cern.ch/cgi-bin/lcgdeploy.cgi/lcg-docs/EGEE-CIC-Operational-Manual/opMan.pdf

[13] BDII configuration for all sites: http://cern.ch/grid-deployment/gis/lcg2-bdii/dteam/lcg2-all-sites.conf

[14] http://cern.ch/lcg-testzone-reports/cgi-bin/lastreport.cgi

[15] BDII configuration for all sites: http://cern.ch/grid-deployment/gis/lcg2-bdii/dteam/lcg2-all-sites.conf

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6   Site de-registration

Procedure to remove a site from the infrastructure