



Joint Security Policy Group

Site Registration Policy & Procedure



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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 text by Ian 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 properly perform their duties. Another reason for this procedure is to record at the level of the Grid Operation Centre (GOC) valid Resource (system) Administrators' and site security contact information, in order for the Grid Deployment Team to promptly act, in case of service change or problem.

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, Logging and Bookkeeping, Resource Brokers, Replica Catalogues, Storage Elements and Virtual Organisation Management Services.

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

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

A **Site Security Contact** is an individual who acts as point of contact for matters relating to computer and network security incidents.¹

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.²

The **Grid Operations Centre (GOC)** has a responsibility for co-ordinating and monitoring the operation of the Grid Infrastructure.³

The **Institute Representative (IR)**⁴ 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.

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. The rest of the information will be made available for public access on the GOC database.⁵

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

¹ Agreement on Incident Response: <https://edms.cern.ch/document/428035>

² Complete ROC definition in <http://cern.ch/egge-sa1/Organisation.htm#roc>

³ Complete GOC definition in <http://goc.grid-support.ac.uk/gridsite/gocmain/whatisGOC.html>

⁴ Taken from the User Registration and VO Membership Management Requirements document: <https://edms.cern.ch/document/428034>

⁵ GOC database (application via personal digital certificate required for access): <https://goc.grid-support.ac.uk/gridsite/db/index.php>

- 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.

The site MUST support the DTEAM VO. It is desirable that the site provides the names of other VOs it plans to support. As this information may vary with time, it shouldn't be part of the GOC database public view. After successful registration completion, this information will be available in the Information System.⁶

The ROC manager or designated alternate MUST validate the data supplied by the candidate site. In cases where no ROC is applicable the Grid Deployment Team (support-lcg-deployment@cern.ch) should be contacted.

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 policies⁷.

The Site Security Contacts and team members will be informed of and agree to follow the LCG/EGEE Security Incident Response¹ procedures.

4 Registration Procedure

The Resource Administrator at the candidate site obtains a certificate from an accepted Certification Authority (CA).

The Site Manager at the candidate site contacts the relevant ROC⁸, giving Required items 1-3 above and a statement of acceptance of the policy documents. If the ROC is satisfied that this is a genuine candidate site, the ROC representative or the GOC database manager will create the new site's record in the GOC database. At this stage the site status will be marked as '*candidate*' with write access to Site Manager and ROC.

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

If all required site information has been provided, the ROC manager (or a designated member of the Grid Deployment Team 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:

⁶ VOs in the Information System and sites that support them: <http://goc.grid.sinica.edu.tw/gstat/service.html>

⁷ http://cern.ch/proj-lcg-security/sites/for_sites.htm and <http://cern.ch/proj-lcg-security/documents.html>

⁸ Find your ROC <http://cern.ch/egge-sa1/ROC-support.htm>



1. Apply for DTEAM VO membership via <https://lcg-registrar.cern.ch>⁹ 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 Grid Deployment Team to perform acceptance tests before including the new site in the Information System. Successful acceptance in the Information System will make the site appear in the relevant configuration file¹⁰.
4. At this point the ROC changes site status in the GOC database to '*certified*'.
5. From now on the site will show on the relevant daily report¹¹.

⁹ Instructions in https://lcg-registrar.cern.ch/load_certificates.html

¹⁰ BDII configuration for all sites: <http://cern.ch/grid-deployment/gis/lcg2-bdii/dteam/lcg2-all-sites.conf>

¹¹ Most recent test report: <http://cern.ch/lcg-testzone-reports/cgi-bin/lastreport.cgi>