

EGI-InSPIRE

VIRTUAL ORGANISATION REGISTRATION SECURITY POLICY

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Policy Statement

This policy defines a set of security-related responsibilities placed on the Grid implementing a procedure to register a VO with the Grid, and on the VO and its managers.



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II. DELIVERY SLIP

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III. DOCUMENT LOG

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1.0	13/07/2010	Imported from JSPG policy document with the same title. The only changes to wording made were updated links to various documents. See https://edms.cern.ch/document/573348 (V2.6a, dated 14 July 2009) for the old JSPG document.	David Kelsey/STFC
2.0			
3.0			
4.0			



IV. PROJECT SUMMARY

To support science and innovation, a lasting operational model for e-Science is needed – both for coordinating the infrastructure and for delivering integrated services that cross national borders.

The EGI-InSPIRE project will support the transition from a project-based system to a sustainable pan-European e-Infrastructure, by supporting ‘grids’ of high-performance computing (HPC) and high-throughput computing (HTC) resources. EGI-InSPIRE will also be ideally placed to integrate new Distributed Computing Infrastructures (DCIs) such as clouds, supercomputing networks and desktop grids, to benefit the user communities within the European Research Area.

EGI-InSPIRE will collect user requirements and provide support for the current and potential new user communities, for example the ESFRI projects. Support will also be given to the current heavy users of the infrastructure, such as high energy physics, computational chemistry and life sciences, as they move their critical services and tools from a centralised support model to one driven by their own individual communities.

The objectives of the project are:

1. The continued operation and expansion of today’s production infrastructure by transitioning to a governance model and operational infrastructure that can be increasingly sustained outside of specific project funding.
2. The continued support of researchers within Europe and their international collaborators that are using the current production infrastructure.
3. The support for current heavy users of the infrastructure in earth science, astronomy and astrophysics, fusion, computational chemistry and materials science technology, life sciences and high energy physics as they move to sustainable support models for their own communities.
4. Interfaces that expand access to new user communities including new potential heavy users of the infrastructure from the ESFRI projects.
5. Mechanisms to integrate existing infrastructure providers in Europe and around the world into the production infrastructure, so as to provide transparent access to all authorised users.
6. Establish processes and procedures to allow the integration of new DCI technologies (e.g. clouds, volunteer desktop grids) and heterogeneous resources (e.g. HTC and HPC) into a seamless production infrastructure as they mature and demonstrate value to the EGI community.

The EGI community is a federation of independent national and community resource providers, whose resources support specific research communities and international collaborators both within Europe and worldwide. EGI.eu, coordinator of EGI-InSPIRE, brings together partner institutions established within the community to provide a set of essential human and technical services that enable secure integrated access to distributed resources on behalf of the community.

The production infrastructure supports Virtual Research Communities – structured international user communities – that are grouped into specific research domains. VRCs are formally represented within EGI at both a technical and strategic level.



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1 VIRTUAL ORGANISATION REGISTRATION SECURITY POLICY: INTRODUCTION

This policy defines a set of security-related responsibilities placed on the Grid implementing a procedure to register a VO with the Grid, and on the VO and its managers.

All terms are defined in the Glossary (<https://documents.egi.eu/document/71>).

2 VO REGISTRATION REQUIREMENTS

To satisfy Grid security requirements a VO registration procedure must capture and maintain at least the following information:

1. VO name. For new VOs this name must conform to the standard described in [Appendix A](#). Existing VOs are not required to change their registered VO name.
2. VO Acceptable Use Policy (see example provided in [Appendix B](#)).
3. A signed copy of the VO Operations Policy (<https://documents.egi.eu/document/77>) document.
4. Contact details and certificates for the VO Manager and at least one Alternate:
 - o Name
 - o Employing Institute
 - o VO Role (Manager or Alternate)
 - o Email address
 - o Telephone number
 - o X.509 certificate issued by a Certification Authority approved for use on the Grid
5. A single email address of the security contact point to be used for reports of suspected identity compromises, misuse of resources or other security events related to the VO. Messages to this address should be handled confidentially and promptly.
6. The name of the Site, Infrastructure or other body responsible for running the VO Membership service, together with the URL of one or more VO Membership Servers.

If a VO wishes to leave the Grid or the Grid decides to remove the VO, the registration information must be kept by the Grid for a minimum period consistent with the Traceability and Logging Policy (<https://documents.egi.eu/document/81>). Personal registration information must not be retained for longer than one year.

Additional operational requirements may be documented in the Grid-specific document describing the implementation of the VO Registration Procedure.

3 VO ACCEPTABLE USE POLICY

The VO Acceptable Use Policy (AUP) is a statement which, by clearly describing the goals of the VO, defines the expected and acceptable usage of the Grid by the members of the VO. By requiring that all members of the VO who participate in the Grid agree to act within the constraints of the VO AUP the VO Manager defines a community of responsible users with a common goal. This definition enables Site Managers to decide whether to allow VO members to use their resources.



The VO AUP must:

- bind VO members to abide by the Grid Acceptable Use Policy (<https://documents.egi.eu/document/74>).
- state who gives authority to the Policy.

4 APPENDIX A: VO NAMING

The VO name is a string, used to represent the VO in all interactions with grid software, such as in expressions of policy and access rights.

The VO name must be formatted as a subdomain name as specified in the [IETF RFC1034](http://www.ietf.org/rfc/rfc1034.txt) (<http://www.ietf.org/rfc/rfc1034.txt>) section 3.5. The VO Manager of a VO using a thus-formatted name must be entitled to the use of this name, when interpreted as a name in the Internet Domain Name System.

This entitlement must stem either from a direct delegation of the corresponding name in the Domain Name System by an accredited registrar for the next-higher level subdomain, or from a direct delegation of the equivalent name in the Domain Name System by ICANN, or from the consent of the administrative or operational contact of the next-higher equivalent subdomain name for that VO name that itself is registered with such an accredited registrar.

Considering that RFC1034 section 3.5 states that both upper case and lower case letters are allowed, but no significance is to be attached to the case, but that today the software handling VO names may still be case sensitive, all VO names must be entirely in lower case.

5 APPENDIX B: SAMPLE VO ACCEPTABLE USE POLICY

The following text is presented as an example of a minimal VO Acceptable Use Policy.

“This Acceptable Use Policy applies to all members of *[VO Name]* Virtual Organisation, hereafter referred to as the VO, with reference to use of the Grid. The *[owner body]* owns and gives authority to this policy. The goal of the VO is to *[describe here the objectives of the VO]*. Members and Managers of the VO agree to be bound by the Grid Acceptable Use Policy, the various security policies and other relevant Grid policies, and to use the Grid only in the furtherance of the stated goal of the VO.”