



# VOMS deployment plans / schedule

<http://cern.ch/dimou/lcg/registrar/TF/>



**LCG Project Execution Board**  
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# Executive Summary



- VOMS needs to be deployed in production by end January 2006 for Service Challenge 4 and Initial LHC Computing Service
- Lack of skilled programming effort assigned to this task puts plan at risk
- Given limited time available, need someone with existing VOMS knowledge
- Of 3 possible candidates, one has existing experience with deployment of production servers (preferred)



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# What VOMS deployment involves



LHC Experiment VOs, not only have to be in VOMS but also:

- VOMRS (developed at FNAL) must be used as the registration interface.
- The Link to the CERN HR database (ORGDB) must be performant for accessing the Personal user data of LHC Experiment members.
- The VO candidates must be found in ORGDB, else VO Registration won't complete.
- VOMS must be available in the glite release distribution on Oracle.



# VOMRS Status



- The software was changed to comply to all new User Registration Requirements.
- It is installed and configured for the 4 LHC VOs as:
  - <https://lcg-voms.cern.ch:8443/vo/alice/vomrs>
  - <https://lcg-voms.cern.ch:8443/vo/atlas/vomrs>
  - <https://lcg-voms.cern.ch:8443/vo/cms/vomrs>
  - <https://lcg-voms.cern.ch:8443/vo/lhcb/vomrs>
- The VO Managers are invited to regular meetings. A demo presentation of VOMRS on May 26<sup>th</sup>  
<http://www.uscms.org/SoftwareComputing/Grid/VO/doc/VOMRS-LCG.ppt>



# ORGDB link Status



- The ORGDB link code was delivered late.
- Link performance was unacceptable (1min to match user in ORGDB).
- Improved version of that code was made available, VOMRS was re-built and upgraded last week.
- We have serious staffing problems that we regularly emphasise for the maintenance of this code in a production environment.



# LHC Experiment members in ORGDB Status



- About 80% of the present members of the LHC Experiment VOs are in ORGDB.
- Those who aren't, often need many days to be processed by the Experiment Secretariats.
- VO candidates often use different data when applying so the match with their ORGDB entry is impossible. This creates a support overhead for us and the VO managers.
- Instructions for users are documented in VOMRS and for VO managers in <http://cern.ch/dimou/lcg/registrar/TF/lhc-vos-transition-FAQ.txt>



# VOMS software Status



- We use the VOMS versions available in glite Releases (the LCG code distribution is old and abandoned).
- We installed what came with glite R1.1, R1.2 and R1.3.
- Every release contains new/different bugs. The total number of bugs in savannah is over 100. Selection: [http://cern.ch/dimou/lcg/voms/savannah\\_entries\\_on\\_VOMS\\_VOMRS.html](http://cern.ch/dimou/lcg/voms/savannah_entries_on_VOMS_VOMRS.html)
- Despite our clear request to the developers in autumn 2004, to port voms on Oracle for better service provision by the central database group, voms-admin on Oracle is still not available in R1.3.



# Plan / Schedule



## What

- Install voms-oracle on test host
- Install vomrs on test host & test
- Install vomrs & voms-oracle on lcg-voms
- Move db backend to central services
- Prepare spare host for a fail-safe service If needed.

## When

glite R1.4  
September  
Bug-depend.  
October

The detailed plan is in

<http://cern.ch/dimou/lcg/registrar/TF/lhc-vos-transition-plan.html>

We are in Step 18.



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# Conclusions



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# Related documents



- JSPG (Security) User Registration Requirements  
<https://edms.cern.ch/document/428034>
- LCG Registration Task Force Mandate:  
<http://cern.ch/dimou/lcg/registrar/TF/MANDATE>
- Link to ORGDB for LHC Experiment VO members  
<https://edms.cern.ch/document/481701>
- LHC Experiment VO users' new Registration flow:  
[http://cern.ch/dimou/lcg/registrar/TF/VOMRS\\_Registration\\_flow.gif](http://cern.ch/dimou/lcg/registrar/TF/VOMRS_Registration_flow.gif)



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