

## EGR-RG Session

25<sup>th</sup> Feb. '09

Enterprise Grid Requirements Research Group  
OGF22

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# Agenda



- 25<sup>th</sup> Feb. 9:30 – 11:00

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withdraw

- Hiroyuki Takashima, Novartis (Japan),  
Requirements from the world wide Novartis PC Grid
- EGR-RG informational document (draft) and how to progress,  
Satoshi Itoh, AIST  
[http://www.ogf.org/gf/event\\_schedule/index.php?id=1091](http://www.ogf.org/gf/event_schedule/index.php?id=1091)  
Document (Word): requirement-guideline  
Other: Examples of requirements

# EGR-RG informational document (draft)



- requirement-guideline-20080222
  - Copyright “Grid Computing Industrial Guidelines Standardization Committee”



Improve and merge the use cases

- EGR-RG Informational document
  - Copyright OGF
  - Acknowledgement in contributors
  - This document has been originally developed by “Grid Computing Industrial Guidelines Standardization Committee” on February 2008. The committee was organized in 2005 by AIST and was funded by METI through INSTAC from FY 2005 to FY 2007.

# How to proceed



| Item No. | Requirement  | Technology to satisfy requirements                                       | 1. Enterprise Technical Computing Grid (Computing Grid)  | 2. Enterprise Technical Computing Grid (PC grid)   | 3. Academic Cooperative Grid (Computing Grid)   | 4. Business Computing Grid (Provision of server resource business systems)                         |
|----------|--|--|--|--|---|--|
| 4.1.1-e  | When more than one authentication mechanisms are present, only a minimal authentication mechanism is required                        | Realized by single sign-on technology (Proxy certificate and delegation) | Access to multiple computer systems is possible without multiple signing-in.(necessary)  | Access to multiple computer systems is possible without multiple signing-in.(necessary)  | Access to multiple computer systems is possible without multiple signing-in.(preferable)  | Access to multiple services management systems is possible without multiple signing-in.(necessary) |
| 4.1.2-a  | Consumers and services are mutually authenticated  |  |  |  |   |  |
| 4.1.2-b  | Confidentiality, completeness and availability of accesses to services by consumers are guaranteed                                   | Policy control   | To which computers consumers are accessing is not open to other consumers.<br>Range of computers available to consumers is controllable.                 | Range of computers available to consumers is controllable.   | Communication channels of accesses are encrypted. (preferable)<br>Range of computers available to consumers is controllable. (necessary)                  |  |
| 4.1.2-c  | Confidentiality, completeness and availability of contents such as data generated by accesses to services by consumers is guaranteed | VM technology, VLAN technology   | Jobs and data are protected from other consumers on the server (management node) which distributes jobs to compute resources (compute node). (necessary) | Jobs and data are protected from other consumers on the server (management node) which distributes jobs to compute resources (compute node). (necessary) | Jobs and data are protected from other consumers on the server (management node) which distributes jobs to compute resources (compute node). (preferable) | Business programs and data consumers in grid systems is protected from other consumers (necessary) |