

# Grid Resource Allocation Agreement Protocol

GRAAP-WG working session 1  
Wednesday, 27 May, 2009  
Chapel Hill, North Carolina

# OGF IPR Policies Apply



- "I acknowledge that participation in this meeting is subject to the OGF Intellectual Property Policy."
- **Intellectual Property Notices Note Well:** All statements related to the activities of the OGF and addressed to the OGF are subject to all provisions of Appendix B of GFD-C.1, which grants to the OGF and its participants certain licenses and rights in such statements. Such statements include verbal statements in OGF meetings, as well as written and electronic communications made at any time or place, which are addressed to:
  - the OGF plenary session,
  - any OGF working group or portion thereof,
  - the OGF Board of Directors, the GFSG, or any member thereof on behalf of the OGF,
  - the ADCOM, or any member thereof on behalf of the ADCOM,
  - any OGF mailing list, including any group list, or any other list functioning under OGF auspices,
  - the OGF Editor or the document authoring and review process
- Statements made outside of a OGF meeting, mailing list or other function, that are clearly not intended to be input to an OGF activity, group or function, are not subject to these provisions.
- Excerpt from Appendix B of GFD-C.1: "Where the OGF knows of rights, or claimed rights, the OGF secretariat shall attempt to obtain from the claimant of such rights, a written assurance that upon approval by the GFSG of the relevant OGF document(s), any party will be able to obtain the right to implement, use and distribute the technology or works when implementing, using or distributing technology based upon the specific specification(s) under openly specified, reasonable, non-discriminatory terms. The working group or research group proposing the use of the technology with respect to which the proprietary rights are claimed may assist the OGF secretariat in this effort. The results of this procedure shall not affect advancement of document, except that the GFSG may defer approval where a delay may facilitate the obtaining of such assurances. The results will, however, be recorded by the OGF Secretariat, and made available. The GFSG may also direct that a summary of the results be included in any GFD published containing the specification."
- OGF Intellectual Property Policies are adapted from the IETF Intellectual Property Policies that support the Internet Standards Process.

IPR Notices Note Well for OGF meetings

May 27

- Session 1 9:00 – 10:30 Experience Document (this session)
- Session 2 11:00 – 12:30 Experience Document/Negotiation

Both sessions in Bellflower

- Status of the Working group
  - Progress since last OGF
    - f2f meetings
    - Paperwork
      - Work on experience document continued
      - Advance reservation profile
    - Implementation
      - Finished Implementation of multi-round negotiation based on WS-Agreement 1.0
- Working on the Experience Document
  - State
  - Finishing missing parts

1. Introduction
2. Notational Conventions
3. WS-Agreement: Status Quo
- 3.1 Rationale for Writing this Document
4. Projects Implementing WS-Agreement
- 4.1 AgentScape
- 4.2 Akogrimo
- 4.3 ASKALON
- 4.4 AssessGrid
- 4.5 BEinGRID
- 4.6 BREIN
- 4.7 CATNETS
- 4.8
- 4.9 SmartLM
- 4.10 VIOLA/Phosphorus/IANOS
- 4.11

- 5. Constructs used in WS-Agreement – An Analysis
  - 5.1 Top level Agreement-element
  - 5.2 Context-element
  - 5.3 Terms
  - 5.4 Templates
  - 5.5 Agreement States
  - 5.6 Service Run-time States
  - 5.7 Guarantee States
  - 5.8 Port Types

## Exp. Document Structure (3/3)



6. Interoperation Testing based on the AssessGrid and the VIOLA Implementations
7. Comments from Projects
8. Conclusions
9. Contributors
10. Glossary
11. Intellectual Property Statement
12. Disclaimer
13. Full Copyright Notice
14. References
15. Appendix A – Example SLA Templates & Agreements
16. Appendix B – Complete list of WS-Agreement Constructs Analysis

## 3. WS-Agreement: Status Quo

### 3.1 Rationale for Writing this Document

-> Wolfgang & Oliver to complete this section

## 4. Projects Implementing WS-Agreement

-> need input from Akogrimo (NN)

-> need input from BREIN (NN)

-> need input from BEinGRID BEs (NN)

-> JSS may be completed from CoreGRID TR (Wolfgang)

-> SmartLM to be completed (Oliver & Wolfgang)



6. Generic WS-Agreement Frameworks  
Description of functionalities, e.g. user authentication, template storage, persistency mechanisms, verification using constraints, monitoring mechanisms, ...  
WSAG4J -> Oliver  
BREIN framework -> NN  
NegMgr -> NN
7. Interoperation Testing based on the AssessGrid and the VIOLA Implementations  
-> Dominic & Oliver
8. Comments from Projects  
taken from survey -> NN

Suggestion (Request?) from GFSG

- Identify and implement additional measures to provide interoperable WS-Agreement implementations
- Could be achieved through
  - Profiling WS-Agreement
  - Using predefined templates for dedicated use-cases
- Proposal should become part of the experience document