WS-Agreement Version Negotiation 1.0

Status of This Document

This document provides information to the Grid, Distributed Systems and Cloud Computing community about WS-Agreement Negotiation (version 1.0). In describes WS-Agreement Negotiation as an extension to the WS-Agreement Specification Version 1 (GFD.107). Distribution is unlimited.

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Abstract

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# Introduction (Philipp)

## Current WS-Agreement Protocol (Dominic)

## Rationale for Writing this Document (Wolfgang)

## Objectives (Philipp)

## Out of Scope (Philipp)

# Use Cases ()

## Co-allocation and Resource Reservation (Wolfgang)

## DGSI Grid Scheduler negotiation (Alexander)

## Cloud Computing (Dominic)

## Re-negotiation in the Energy Market? (Frances)

# Notational Conventions

The key words ‘MUST,” “MUST NOT,” “REQUIRED,” “SHALL,” “SHALL NOT,” “SHOULD,” “SHOULD NOT,” “RECOMMENDED,” “MAY,” and “OPTIONAL” are to be interpreted as described in RFC 2119 [BRADNER1].

# Namespaces ()

# WS-Agreement Negotiation Protocol ()

## Overview ()

## Protocol Steps ()

### Initialisation ()

### Negotiation ()

### Post-processing of the Template ()

## Messages ()

# Necessary Extensions to WS-Agreement ()

# Rationales for decisions taken ()

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# Glossary ()

Recommended but not required.

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# References

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[RHJ08] Rosenberg, I., Heek, R., and Juan, A. An SLA Framework for the GT4 Grid Middleware, Collaboration and the Knowledge Economy: Issues, Applications, Case Studies (eChallenges 2008), 2008.

[SOZ+07] Seidel, J., Wäldrich, O., Ziegler, W., Wieder, P., and Yahyapour, R., Using SLA for resource management and scheduling – a survey, CoreGRID Technical Report TR-0096.

[BRADNER1] Bradner, S. Key Words for Use in RFCs to Indicate Requirement Levels, RFC 2119. March 1997.

# Appendix A – Negotiation example from use-case x ()