



Enabling Grids for E-scienceE

## SA3

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- **EGI.org**
  - Middleware Unit
- **UMD**
  - Integrated distro including gLite, ARC, UNICORE & Globus (?)
  - A separate entity, or a product of EGI.org?
- **gLite Consortium (gC)**
  - Maintainers of the gLite middleware
  - Equivalence of their release to today's is unclear
- **Middleware providers (MPs)**
  - Individual institutes providing middleware
  - Interface to subsequent layers very unclear
    - Do they release source code?
    - Do they make fully integrated, deployable releases?

Task Name	TSA3.1
Responsible	UMD/gC/MPs
Interfaces	IN: source code, build instructions, documentation OUT: release candidate 'appliances', ie integrated services
Rights	Coherent architecture, developer cooperation, input on what to integrate, with what priority
Responsibilities	Provision of a useful service which can be installed by grid administrators
Resources	6FTE in UMD (D3.1)
Assumptions	
Unknowns	Partition of tasks in EGI ecosystem. Nature of interface to development. Envisaged build technology

Task Name	TSA3.2
Responsible	UMD/gC/MPs + EGI.org middleware unit(?)
Interfaces	IN: release candidate ‘appliances’ OUT: deployable software
Rights	Credible release candidates, explicit acceptance criteria, hardware resources, service specifications and documentation
Responsibilities	Credible certification, enforcement of agreed acceptance criteria
Resources	10FTE in UMD (D3.1)
Assumptions	EGI.org resources are for managing policies and validating their implementation, not explicitly for doing certification
Unknowns	

Task Name	TSA3.3
Responsible	EGI.org user support, UMD, gC, MPs ??
Interfaces	IN: GGUS, savannah, certification activity
Rights	Developer support
Responsibilities	3rd line support, analysis of problems in certification, provision of short term fixes and 'glue'
Resources	Unknown – I see no provision for this in within UMD in the functions document D3.1
Assumptions	
Unknowns	Where is this task in the EGI era?

Task Name	TSA3.4.1
Responsible	Policy: EGI.org MCB Implementation: UMD/gC, even Resource Providers?
Interfaces	Middleware APIs, LRMS APIs, CE developers, InfoSys developers
Rights	Relevant documentation and developer support
Responsibilities	Provision of support at reference level (usually that of torque)
Resources	Unknown – never mentioned explicitly
Assumptions	
Unknowns	Where is this implemented? UMD? Resource Providers?

Task Name	TSA3.4.1
Responsible	Policy: EGI.org MCB Implementation: UMD/gC
Interfaces	EGI.org policy makers
Rights	Explicit priorities, necessary hardware
Responsibilities	Provision of multiplatform code
Resources	Unknown – somewhere within UMD
Assumptions	This no longer exists as a separate activity
Unknowns	

Task Name	TSA3.4.1
Responsible	EGI.org middleware unit / MCB
Interfaces	Standards bodies, other grid infrastructures, developers, operations
Rights	Input on expected interoperations partners and use cases
Responsibilities	Enable interoperation
Resources	~1 FTE
Assumptions	
Unknowns	Is gLite <-> ARC compatibility still called 'interoperability' when they are in the same stack (UMD)?



Task Name	TSA3.5
Responsible	EGI.org CTO
Interfaces	UMD/gC/MPs, UCO, NGIs; MCB
Rights	Strategic input from ??, adequate influence over development
Responsibilities	Implementation of software policy & strategy
Resources	1 CTO + 8FTE
Assumptions	The authority resides in EGI.org and not UMD
Unknowns	The relationship between EGI.org & UMD

- **Clusters of Competence**
  - INFN(72PM), CESNET(12PM), CERN(48PM), HIP(6PM)
  - 138PM (~6FTE)
  - Component testing & integration
- **'Central'**
  - All the rest – 367PM (~15FTE)
  - End-to-end testing and global integration
- **EGI.org MU 8FTE could**
  - Coordinate stakeholders (Users, NGIs, Middleware consortia)
  - Define strategy
  - Establish and verify acceptance criteria
  - Maintain repositories and release documentation
  - Integrate and test a client distribution

- **Where do the current SA3 tasks go in the EGI era?**
- **Does EGI need/want an integrated distro?**
  - ARC and gLite can interoperate without being combined
  - If yes, this distro must be UMD
- **Does EGI.org define and distribute UMD itself?**
  - how can it do this with 8 FTE?
    - ‘by reference’?
  - Or is it a customer?
- **How can EGI.org effectively influence development?**
  - A separate organisation will have even less influence than we currently have within EGEE
- **How will UMD be built?**
  - And by whom?
- **Is the EGI MU distributed?**
- **What is the relationship with OSG/VDT/Condor etc?**