SA1

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All Activity Meeting
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SA1 Objectives

- **Core Infrastructure services:**
  - Operate essential grid services
- **Grid monitoring and control:**
  - Proactively monitor the operational state and performance,
  - Initiate corrective action
- **Middleware deployment and resource induction:**
  - Validate and deploy middleware releases
  - Set up operational procedures for new resources
- **Resource provider and user support:**
  - Coordinate the resolution of problems from both Resource Centres and users
  - Filter and aggregate problems, providing or obtaining solutions
- **Grid management:**
  - Coordinate Regional Operations Centres (ROC) and Core Infrastructure Centres (CIC)
  - Manage the relationships with resource providers via service-level agreements.
- **International collaboration:**
  - Drive collaboration with peer organisations in the U.S. and in Asia-Pacific
  - Ensure interoperability of grid infrastructures and services for cross-domain VO's
  - Participate in liaison and standards bodies in wider grid community

Milestones & Deliverables

Month	Deliverable / Milestone	Item	Lead
M03	DSA1.1	Detailed execution plan for first 15 months of infrastructure operation	CERN
M06	MSA1.1	Initial pilot production grid operational	
M06	DSA1.2	Release notes corresponding to the initial pilot Grid infrastructure operational	INFN
M09	DSA1.3	Accounting and reporting web site publicly available	CCLRC
M09	MSA1.2	First review	
M12	DSA1.4	Assessment of initial infrastructure operation and plan for next 12 months	IN2P3
M14	DSA1.5	First release of EGEE Infrastructure Planning Guide ("cook-book"),	CERN
M14	MSA1.3	Full production grid infrastructure operational	
M14	DSA1.6	Release notes corresponding to the full production Grid infrastructure operational	CCLRC
M18	MSA1.4	Second review	
M22	DSA1.7	Updated EGEE Infrastructure Planning Guide	CERN
M24	DSA1.8	Assessment of production infrastructure operation and outline of how sustained operation of EGEE might be addressed.	IN2P3
M24	MSA1.5	Third review and expanded production grid operational	
M24	DSA1.9	Release notes corresponding to expanded production Grid infrastructure operational	INFN

Partners involved

- 48 of 67 partners are involved in SA1

- Planning organised by regional federation
  - Coordination between partners responsibility of ROC managers

- Execution plan
  - Main part – overall organisation, responsibilities, procedures, task breakdown etc.
  - Appendix – one per federation – detailing internal task breakdown, staffing, planning, organisation etc.
    - Template provided
    - Received contributions from UK, Central Europe, South East

SA1 Partners

- CERN (OMC, CIC)
- UK+Ireland (CIC,ROC)
- France (CIC, ROC)
- Italy (CIC, ROC)
- Germany+Switzerland (ROC)
- Northern Europe (ROC)
- South West Europe (ROC)
- South East Europe (ROC)
- Central Europe (ROC)
- Russia (CIC – M12, ROC)

- 48 Partners involved in SA1
- ROC's in several regions are distributed across many sites

Organisational Issues
- ROC's must take responsibility:
  - Chapter in execution plan
  - Organisation within region
  - Reporting to overall SA1
- CIC's vs ROC's
  - Need to clarify overlap/separation – dedicated discussion

Execution Plan - TOC

- Overview – introduction
- Organisation
  - Clarify roles, responsibilities, interactions
  - Processes
  - Security group
  - Policy group – relation to NA5
- Federation organisation
  - Chapter per region -> template
- Service set up and deployment
  - What services, functions
  - Relation to US, Asia projects
  - Transition process
  - New centres – process
  - Training
- Policies

- Operations and tools
- Certification, Middleware support
- CA and VO management
- Operational Security
- Metrics – measurement, validation of services
  - SLA's
- Management
  - PBS
  - WBS
  - Staffing and resources plan
    - From regions
  - Training plan
  - Risk assessment
  - Deliverables and responsibilities

Execution Plan – overall priorities

- Descriptive: Clarify and explain:
  - Roles and responsibilities
  - Services and resources (by region)
- Planning
  - PBS
  - WBS
  - Staffing plan (by region)

- Key individuals:
  - ROC managers are responsible for producing federation planning

Task breakdown – overall

Task	Task Title	Artifact	Month Start m	Month End m	Effort CERN pm	Effort UK pm	Effort Italy pm	Effort France pm	Effort Northern pm	Effort Germany pm	Effort South West pm	Effort South East pm	Effort Central Europe pm	Effort Russia pm
TSA1.1	**Initialisation Tasks**													
TSA1.1.1	Set up ROC's	ROC's	1	6	0	10	10	10	10	10	10	10	10	10
TSA1.1.2	Set up CIC's	CIC's	1	6	4	10	10	10						5
TSA1.1.3	Set up OMC	OMC	1	3	3									
TSA1.1.4	Set up accounting	DSA1.3	1	9		2								
TSA1.2	**Operations Tasks**													
TSA1.2.1	OMC		4	24										
TSA1.2.2	CIC Operations		7	24										
TSA1.2.3	ROC Operations		7	24										
TSA1.2.4	Cookbook	DSA1.5, DSA1.7	3	24	2									
TSA1.2.5	Release Notes	DSA1.2,DSA1.6, DSA1.9	1	24			2	2						
TSA1.2.6	Operations Review	DSA1.4	9	12				4						
TSA1.2.7	Operations Review	DSA1.5	21	24				4						

Task breakdown – regional

Italy SA1 Execution Plan

Task	Task Title	Artifact	Month Start m	Month End m	Effort INFN pm	Effort partner pm	Effort partner pm	Effort partner pm	Effort partner pm	Effort partner pm
TSA1.1	**Initialisation Tasks**									
TSA1.1.1	Set up ROC's	ROC's	1	6	2	2	2	2	2	2
TSA1.1.2	Set up CIC's	CIC's	1	6	1	1	1	1		
TSA1.1.3	Set up OMC	OMC	1	3						
TSA1.1.4	Set up accounting	DSA1.3	1	9						
TSA1.2	**Operations Tasks**									
TSA1.2.1	OMC		4	24						
TSA1.2.2	CIC Operations		7	24	2	2	2	2		
TSA1.2.3	ROC Operations		7	24						
TSA1.2.4	Cookbook	DSA1.5, DSA1.7	3	24						
TSA1.2.5	Release Notes	DSA1.2,DSA1.6, DSA1.9	1	24		2	2			
TSA1.2.6	Operations Review	DSA1.4	9	12						
TSA1.2.7	Operations Review	DSA1.5	21	24						

Training requirements

- New people:
  - Ask for orientation training for new staff in April/May
  - Grids in general, and EGEE in particular
- New sites:
  - LCG procedures, middleware, policies, operations
- Longer term:
  - Grid services, OGSA and associated technologies etc

- No real change since January meeting

Risk Analysis – no progress since Jan

- People:
  - Need to identify unfunded effort now
  - Hiring process will not have people in place by April 1
  - Short term contracts –
    - tends to attract inexperienced people
    - Continuity
- Middleware:
  - Response to operational needs
  - Packaging and installation not flexible enough
  - Scope-creep of middleware – bug fixes vs functional changes
- Infrastructures:
  - National infrastructures cannot integrate in EGEE
    - UK e-Science, NorduGrid
    - Must be addressed in execution plans
- Use LCG Deployment and Security Risk Analyses
  - http://lcg.web.cern.ch/LCG/PEB/risk/ ,
  - http://proj-lcg-security.web.cern.ch/proj-lcg-security/RiskAnalysis/risk.html
  - Quite comprehensive
  - Many issues in common

Status and next steps

- LCG-2 infrastructure is in place and being used in data challenges
  - We will meet the first milestone
- CERN hiring for SA1 is complete –
  - Can start to plan OMC startup
  - Have started to look at CIC at CERN
- Very basic exec plan in EDMS
  - 3/9 regional contributions received
- By Cork:
  - In exec plan; minimum:
    - Sufficient to start CIC and ROC set-up and planning
    - Task breakdown – especially clarify and iterate with regions
  - Initiate CIC and ROC startups so that basic prototypes can be in place by PM3