

OSG Year2 Draft WBS

WBS Task Information	TaskInCharge	Agency Milestone	Start Date	Finish Date
0. OSG year2 project (charged to OSG budget)	Pordes		10/1/2007	9/30/2008
1. Facility (Miron Livny)	Livny			
1.1. OSG Software (Alain Roy)	Roy			
1.1.1. OSG v1.0 by 2/15/2008 (Alain)	Roy			
1.1.1.1. Define Content for OSG v1.0 by 14-Sep-2007	Roy		08/01/07	09/14/07
1.1.1.2. Define prioritized content and "cut line" for OSG v1.0 by 28-Sep-2007	Roy		09/14/07	09/28/07
1.1.1.3. Package and deliver VDT for OSG v1.0 to ITB by 21-Dec-2007	Roy	yes	08/01/07	12/21/07
1.1.2. OSG v1.2 by 8/15/2008 (Alain)	Roy			
1.1.2.1. Define Content for OSG v1.2 by 14-March-2008	Roy		02/18/08	03/14/08
1.1.2.2. Define prioritized content and "cut line" for OSG v1.2 by 28-Mar-2008	Roy		03/17/08	03/28/08
1.1.2.3. Package and deliver VDT for OSG v1.2 to ITB by 1-July-2008	Roy	yes	02/18/08	07/01/08
1.1.3. Create VDT test bed evolution plan and review with ET	Roy		10/01/07	11/15/07
1.1.4 Ongoing Support	Roy			
1.1.4.1 Ongoing TeraGrid support	Roy		08/01/07	07/31/08
1.1.4.2 Ongoing EGEE/gLite support	Roy		08/01/07	07/31/08
1.1.4.3 Ongoing support existing VDT versions	Roy		08/01/07	07/31/08
1.1.5. Storage Software (Gene Oleynik, Hesselroth)	Oleynik, Hesselroth		10/1/2007	9/30/2008
1.1.5.1. Package dCache version meeting needs of OSG V1.0	Oleynik, Hesselroth		10/01/07	10/31/07
1.1.5.2. Package dCache version meeting needs of OSG V1.2	Oleynik, Hesselroth		11/01/07	03/31/08
1.1.5.3. Plan configuration and integrate per VO "leased storage" for sites	Oleynik, Hesselroth		10/01/07	10/31/07
1.1.5.4. Maintain / Evolve Storage test bed	Oleynik, Hesselroth		10/01/07	09/30/08
1.1.5.5. Operations Tools for data management/movement/integrity	Oleynik, Hesselroth		11/01/07	02/29/08
1.1.5.6 Support OSG sites in the installation and operation of storage systems.	Oleynik, Hesselroth		10/01/07	09/30/08

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1.2. Operations (Rob Quick)	Quick			
1.2.1. Maintain and evolve OSG Grid-wide services	Quick		10/01/07	09/30/08
1.2.1.1. OSG internal critical services (VOMS, GRATIA accounting, VOMS monitoring, ticketing system)	Quick		10/01/07	09/30/08
1.2.1.2. Deploy OSG Information Management (OIM) implementation	Quick		10/01/07	12/20/07
1.2.1.3. Services that represent obligations to external partners (BDII, site validation reports,....)	Quick		10/01/07	09/30/08
1.2.2. Manage OSG software deployment process	Quick		10/01/07	09/30/08
1.2.2.1. Inventory software patch levels at each on a daily basis	Quick		09/01/07	03/01/08
1.2.2.2. Announce availability of software and security patches	Quick		10/01/07	09/30/08
1.2.2.3. Distribute and support installation of OSG two major software releases (>80% of sites within 60 days of software release)	Quick		10/01/07	09/30/08
1.2.2.4. Gather feedback from sites on software deployment process and convey key messages to Facility team	Quick		09/01/07	10/01/07
1.2.3. Process and insure resolution on all trouble tickets in a timely manner resulting from OSG, WLCG, and EGEE	Quick		10/01/07	09/30/08
1.2.3.1. Monthly reporting of metrics of GOC tickets	Quick		10/01/07	09/30/08
1.2.4. Evaluate operations with TeraGRID and make recommendations on Inter-operability	Quick		09/01/07	08/31/08
1.2.5. Evolve and maintain functional testing probes, repository, publication	Quick		10/01/07	09/30/08
1.2.5.1. provide reliable and accurate transmission of test information, of appropriate sites, to systems in WLCG	Quick		10/15/07	10/15/07
1.3. Integration and Site Coordination (Rob Gardner)	Gardner			
1.3.1. Integration	Gardner		10/01/07	09/30/08
1.3.1.1 Integrate and Test OSG Release 1.0	Gardner		11/01/07	02/15/08
1.3.1.1.1 Upgrade ITB to meet testing needs of OSG 1.0	Gardner		11/01/07	12/21/07
1.3.1.1.2 Integrate and test OSG 1.0	Gardner	yes	01/01/08	02/15/08

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1.3.1.1.3 Interoperability testing of OSG 1.0 and EGEE between the OSG ITB and EGEE pre-production grid	Gardner		02/01/08	02/15/08
1.3.1.2 Integrate and Test OSG Release 1.2	Gardner		05/01/08	08/15/08
1.3.1.2.1 Upgrade ITB to meet testing needs of OSG 1.2	Gardner		05/01/08	06/21/08
1.3.1.2.2 Integrate and test OSG 1.2	Gardner	yes	07/01/08	08/15/08
1.3.1.2.3 Interoperability testing of OSG 1.0 and EGEE between the OSG ITB and EGEE pre-production grid	Gardner		08/01/08	08/15/08
1.3.1.3. Conduct performance testing impacts of new services/software planned for deployment (e.g. auditing)	Gardner		10/01/07	09/30/08
1.3.1.4. Operate and leverage VTB for testing OSG releases	Gardner		10/01/07	09/30/08
1.3.2. Site Coordination	Gardner		10/01/07	09/30/08
1.3.2.1. Develop benchmarks for being a “good” OSG sites; audit sites against benchmark; and, support sites in reaching conformance	Gardner		10/01/07	12/01/07
1.3.2.2. Monthly analysis of operational metrics (per OSG metrics plan) to identify “less than optimal performance sites”; create “work que” for follow-up functional and diagnostic testing	Gardner		12/01/07	09/30/07
1.3.2.3. Functional/diagnostic testing of OSG sites (identified via operations metrics analysis) resulting in guidance to site owners on how to improve performance (treat as “fill” work to be done between integration of major OSG releases)	Gardner		12/01/07	09/30/07
1.4. Troubleshooting (Shaowen Wang)	Wang			
1.4.1. Troubleshoot end-to-end operational and performance problems	Wang		10/01/07	09/30/08
1.4.2. Become more proactive to prepare solutions before problems	Wang		10/01/07	09/30/08
1.4.2.1. Identify and acquire tools to help VOs identify/diagnose problems	Wang		10/01/07	09/30/08
1.4.2.2. Evaluate and implement OSG troubleshooting tools	Wang		10/01/07	09/30/08

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1.4.3. Improve documentation by leveraging user support	Wang		10/01/07	09/30/08
1.4.3.1. Publish and update FAQs quarterly (to help VOs fix problems)	Wang		10/01/07	09/30/08
1.4.4. Conduct formal feedback to evaluate effectiveness and efficiency of troubleshooting function	Wang	yes	01/01/08	03/15/08
1.5. Engagement (John McGee)	McGee			
1.5.1. Production use of OSG by a 3rd new Research Group	McGee		10/01/07	02/01/08
1.5.2. Production use of OSG by a 4th new Research Group	McGee		02/01/08	05/01/08
1.5.3. Production use of OSG by a 5th new Research Group	McGee		05/01/08	08/01/08
1.5.4. Support & Integrate 1st new additional campus grid with OSG	Gaosguen	yes	10/01/07	03/01/08
1.5.5. Support & Integrate 2nd new additional campus grid with OSG	Gaosguen		03/01/08	08/01/08
1.5.6. Develop plan for graduating Research Groups to regular OSG communities	McGee		02/01/08	04/01/08
1.5.7. Assess effort required to support additional science communities and campus grids at a rate of at least 2/year (a sustainable work model)	McGee	yes	04/01/08	08/01/08
1.5.8. Evaluate suitability and transition eligible communities to “just in time workload” management system	McGee		04/01/08	09/01/08
1.5.9. Gather prospects from EOT and move into engagement, as appropriate	McGee		10/01/07	09/30/08
2. Security (Don Petravick)	Petravick			
2.1. Operational Security (Don)	Petravick		10/01/07	10/01/08
2.1.1. Maintain/monitor operational security	Petravick		10/01/07	10/01/08
2.1.2. Execute incident response process (as needed)	Petravick		10/01/07	10/01/08
2.1.3. Provide quarterly reporting of security assessment, incidents, etc.	Petravick		10/01/07	10/01/08
2.1.4. V2 of Security Management Plan by 11/15/2007	Petravick	yes	10/01/07	11/15/07
2.1.5. Develop and Execute Security Training for all key OSG stakeholders	Petravick		02/18/08	03/07/08
2.1.7. First security audit of OSG Assets - January 2008	Petravick		01/02/08	01/31/08
2.1.8. Second security audit of OSG assets – July 2008	Petravick		07/01/08	07/31/08

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2.1.9. Plan review of contributions from external projects (Auditing, VO Services, CEDPS, etc.)	Petravick		10/01/07	10/01/08
2.1.9.1. Identify and drive operational and functional requirements to external projects	Petravick		10/01/07	10/01/08
2.1.9.2. Review contributions from external projects	Petravick		10/01/07	10/01/08
2.2. Manage and maintain OSG Registration Authority	Olson		10/01/07	10/01/08
2.3. Review and Drive Policy meeting needs of OSG (Don, Bob)	Petravick		10/01/07	10/01/08
2.3.1. Define common local policies for VOs	Petravick		10/01/07	10/01/08
2.3.2. Interaction with WLCG	Cowles		10/01/07	10/01/08
3. Education, Outreach, & Training (Mike Wilde)	Wilde			
3.1. User Training	Wilde		10/01/07	09/30/08
3.1.1 Manage content enhancement			10/01/07	09/30/08
3.1.2. Plan and Deliver 4 grid training workshops in the US targeted at students and researchers	Wilde	yes	10/01/07	09/30/08
3.1.3. Plan and deliver one international grid training workshop	Wilde		10/01/07	09/30/08
3.1.4. Develop and deploy on-line training package	Wilde		10/01/07	09/30/08
3.2. Site Administrator Training	Wilde		10/01/07	09/30/08
3.2.1. Develop and deliver training for OSG Site Administrators (Florida)	Wilde		10/01/07	09/30/08
3.2.2 Integrate site admin training into one grid training workshop		yes	10/01/07	09/30/08
3.3. South Africa Outreach Program	Wilde		10/01/07	09/30/08
3.3.1 Host Sout Africa visitors from Wits	Dodd		10/01/07	09/30/08
3.3.2 South Africa Grid User Support	Dodd		10/01/07	09/30/08

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3.3.3 Support South Africa Grid School workshop	Dodd		10/01/07	04/01/08
3.3.4 South Africa Grid site operational on OSG	Dodd		03/01/08	
3.4. Implement effective use of OSG by training school alumni (in use of Educate VO)	Wilde		10/01/07	09/30/08
3.5. Deploy feedback/measurement plan; analyze results; report to ET	Wilde		10/01/07	09/30/08
3.6. Coordinate education activities with other cyber structure programs (e.g. TeraGRID)	Wilde		10/01/07	09/30/08
4. Extensions, Applications, and User Support (Frank & Torre)	Wuerthein, Wenaus			
4.1. Extensions (Frank & Torre)	Wuerthein, Wenaus			
4.1.1. Deliver middle-ware improvements to increase ease of use, visibility into failures, and reliability and scalability	Wuerthein, Wenaus			ph1 & ph2
4.1.1.1. Improve reliability and scalability of GCB (BNL/Condor)	Wuerthein, Wenaus			
4.1.2. Evaluate compatibility of work-flow engines presently in use by OSG stakeholders with the OSG workload management roadmap	Wuerthein, Wenaus			09/30/08
4.1.3. Complete integration and deployment of end-to-end OSG workload management system for OSG operated VOs	Wuerthein, Wenaus			12/21/07
4.1.3.1. Operate OSG WMS for OSG operated VOs (BNL)	Wuerthein, Wenaus			
4.1.4. Initial Policy prototypes implementation (VOMS, GUMS interaction system) (external project dependency - Gabrielle)	Garzoglio			
4.1.5. Scalability testing and issues; substantial progress toward solving the CE overload problem	Wuerthein, Wenaus			06/21/08
4.1.6. User diagnostics (tools and documentation for end-to-end understanding of error diagnostics)	Wuerthein, Wenaus			ph1 & ph2
4.1.7. Improve usability of advertisement of custom VO attributes	Wuerthein, Wenaus			ph2
4.1.7.1. Less fragile applications software version "advertisement" from sites	Wuerthein, Wenaus			

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4.1.8. Interfaces to other distributed infrastructures via Gateways	Chadwick			
4.1.8.1. TeraGrid	Chadwick			
4.1.8.2. Campus Grids	Chadwick			
4.1.9. Support facility metrics effort	Wuerthein, Wenaus			09/30/08
4.1.10. Support facility site functional test effort	Wuerthein, Wenaus			09/30/08
4.1.11. Support security effort in facility (including GUMS)	Wuerthein, Wenaus			09/30/08
4.2. User Support & Applications (Green & Rana)	Green & Rana			
4.2.1. Run Users Group	Green & Rana			
4.2.1.1. Support Users of OSG	Green & Rana			
4.2.1.2. Gather and report user satisfaction surveys	Green & Rana			
4.2.1.3. Gather quarterly Science Benefit reports	Heavey			
4.2.1.4. Support gathering of user requirements for OSG v1.0	Green & Rana		10/01/07	10/30/07
4.2.1.5. Support gathering of user requirements for OSG v1.2	Green & Rana		04/01/07	04/30/08
4.2.1.6 VO Validation of OSG v1.0	Daudert			
4.2.1.7 VO Validation of OSG v1.2	Daudert			
4.2.2. Analyze Facility/VOs operations to identify & specify problems	Green & Rana			
4.2.2.1. Assemble and interpret usage reports	Green & Rana			
4.2.2.2. Gather and address user feedbacks	Green & Rana			
4.2.2.3. Interpret logging and bookkeeping information	Green & Rana			
4.3. Storage and Data Management Extensions (Oleynik, Hasselroth)	Oleynik, Hesselroth			
4.3.1. Support facility objective to provide leased storage to OSG operated VOs	Oleynik, Hesselroth		10/01/07	10/31/07
4.3.2. Support facility objective to provide tools for data management/movement/integrity	Oleynik, Hesselroth		11/01/07	02/29/08
4.3.3. Support Role-based authorization in dCache.	Oleynik, Hesselroth		10/01/07	09/30/08
4.3.4. Support facility metrics effort	Oleynik, Hesselroth		10/01/07	12/31/07
4.3.5. Support security audit effort	Oleynik, Hesselroth		10/01/07	09/30/08

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4.3.6. Support for xrootd (NP funding dependent)	Oleynik, Hesselroth		01/01/08	04/30/08
4.3.7. Develop roadmap for data movement between OSG and EGEE			11/01/07	12/31/08
4.3.8. Develop roadmap for data movement between OSG and TeraGrid	Oleynik, Hesselroth		01/01/08	05/31/08
4.3.9 Improve stability and ease-of-use of storage software.	Oleynik, Hesselroth		10/01/07	09/30/08
4.3.9.1 Improve dCache Logging	Oleynik, Hesselroth		10/01/07	05/31/08
4.3.9.2 Improve dCache Exception Handling	Oleynik, Hesselroth		02/01/07	08/31/08
4.3.9.3 Improve dCache internal support of site administration tools	Oleynik, Hesselroth		02/01/08	04/30/08
4.3.9.4 Improve distributed installation process for dCache	Oleynik, Hesselroth		03/01/08	05/31/08
4.3.9.5 Merge dCache and OSG install scripts	Oleynik, Hesselroth		11/01/07	01/31/08
4.3.10. Develop/extend Control Panel GUI for operation of storage system	Oleynik, Hesselroth		11/01/07	08/31/08
5. Administration and Metrics (Ruth)	Pordes			
5.1. Project External Communication (Ruth)	Pordes			
5.1.1. Monthly written reports to Council	Pordes		10/01/07	09/30/08
5.1.2. Semi-annual written reports to JOG	Pordes		01/01/08	07/30/08
5.1.2.1 First mid-year report	Pordes		01/05/08	01/26/08
5.1.2.2 Second full-year report	Pordes		07/05/08	07/26/08
5.1.3. Annual Project Review with DOE/NSF	Pordes		08/01/08	09/15/08
5.1.4. External Relationships	Pordes		10/01/08	09/30/08
5.2. Facility and QA Metrics (tbd)	tbd1			
5.2.1. Baseline operational metrics plan for year2 by 11/15/2007	tbd1			
5.2.2. First mid-term report on operational metrics for year2 – 3/1/2008	tbd1			
5.2.3. Second Final report on operational metrics for year2 – 9/1/2008	tbd1			

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5.5.4. Implement v2 OSG Administration databases and dashboard	tbd3			
5.2.5. Complete integration and deployment of accounting end-to-end system (GRATIA) for jobs and storage	tbd1			
5.2.6. Review contributions and drive operational and functional requirements to GRATIA, as needed	tbd1			
5.3. Manage, administer, and support the OSG/osg/* VOs (tbd)	tbd2			
5.4. Resource Management (Kent & Paul)	Blackburn, Avery			
5.4.1. Develop & Implement new procedure for SOW approvals to achieve >75% SOWs processed by 11/15/07	Blackburn, Avery		10/01/07	11/15/07
5.4.2. Execute and support current change request process, as needed	Blackburn, Avery		10/01/07	09/30/08
5.4.3. Quarterly financial reports	Blackburn, Avery		10/01/07	09/30/08
5.4.4. Maximize use of resources needed by VOs to the satisfaction of the stakeholders	Blackburn, Avery		10/01/07	09/30/07
5.5. Project Administration (Chander)	Sehgal			
5.5.1. Baseline year2 WBS 11/1/2007	Sehgal		10/01/07	11/01/07
5.5.2. Execute monthly WBS status updating	Sehgal		10/01/07	09/30/08
5.5.3. Execute quarterly PI reporting	Sehgal		10/01/07	09/30/08
5.5.4. Execute quarterly Area Coordinator Reporting	Sehgal		10/01/07	09/30/08
5.5.5. Keep list of external project dependencies and track deliverables	Sehgal		10/01/07	09/30/08
5.6. Users & OSG Community Communication (Anne Heavey)	Heavey			
5.6.1. Publication/PR Plan for OSG year2	Heavey		10/01/07	09/30/08
5.6.1.1. Contribute at least 1 article per month to iSGTW on science accomplishments in OSG	Heavey		10/01/07	09/30/08
5.6.1.2. Provide research highlights to NSF	Heavey	yes	10/01/07	09/30/08
5.6.1.3. Continue publishing monthly OSG newsletter	Heavey		10/01/07	09/30/08

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5.6.1.4. Produce brochures, demos, posters, slide-shows, etc. as needed for OSG representation at meetings and conferences	Heavey		10/01/07	09/30/08
5.6.2. Create presentation introducing OSG and its capabilities and mission	Heavey		10/01/07	11/30/07
5.6.3. Improve user and admin documentation for OSG 0.8.0	Heavey		10/01/07	10/30/08
5.6.4. Maintain OSG website, twiki librarian functions, document repository, administer workshops.	Heavey		10/01/07	09/30/08
6. Science Goals	Ruth			
6.1 CMS				
6.1.1 CMS: 30K Batch slot hours of Opportunistic Computing in Support of CMS CSA07	Ian Fisk		09/01/07	10/30/07
6.1.2 CMS: 70K Batch slot hours of Opportunistic Computing in Support of CMS Cosmic running	Ian Fisk		11/01/07	12/30/07
6.1.3 CMS: Support of CMS Tier-2s delivering 1.1M Batch slot hours during CSA07	Ian Fisk		11/01/07	12/30/07
6.1.4 CMS: Support of CMS Tier-2s delivering 0.75M Batch slot hours during Cosmic running	Ian Fisk		11/01/07	12/30/07
6.1.5 CMS: Support of CMS Tier-2s delivering 3.8M Batch slot hours during Computing Commissioning	Ian Fisk		01/01/08	05/30/08
6.1.6 CMS: 300K Batch slot hours of Opportunistic Computing in Support of CMS Computing Commissioning	Ian Fisk		01/01/08	05/30/08
6.1.7 CMS: Wide area network: Data distribution throughput bursts of 50-500MB/sec at each Tier2	Ian Fisk			
6.1.7 CMS: Local area network: 400-800 MB/sec from mass store to each Worker Node.	Ian Fisk			
6.2 ATLAS				

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6.3 CDF				
6.3.1 CDF: opportunistic Monte Carlo and Analysis on OSG sites at 5,000 jobs/day	Rick Snider / Stephan Lammel			11/01/07
6.3.2 CDF: Completion of V7 reprocessing on FermiGrid and CDF OSG sites	Rick Snider / Stephan Lammel			
6.4 D0: opportunistic Monte Carlo on OSG sites at 5,000 jobs/day.	Brad Abbott			06/15/08
6.5 STAR: 10,000 jobs/day	Jerome Lauret			
6.6 LIGO: Demonstrate use of OSG grid accessible storage for LIGO application				11/30/07
6.7 NanoHUB: 200 hours/day on OSG sites with 90% success rate	Gerhart Klimeck			
6.8 GADU: Currently running 100 hours/day on OSG sites. Will this ramp up?				