**Software Year 5 WBS**

This is not formatted like the WBS: the goal is to generate sufficient guidance such that it can be finalized. Italicized items are where particular guidance would be appreciated.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Reason or Question** | **Owner** | **Effort** | **Timeframe** |
| Ongoing OSG support |  | Roy | 2 FTE or more | ongoing |
| … Direct user support |  | Roy, Levshina |  | Ongoing |
| … Fix bugs, minor enhancements |  | Roy, Levshina |  | Ongoing |
| … Regular software updates |  | Roy, Levshina |  | Ongoing |
| … Continue to improve internal testing |  | Roy, Levshina |  | Ongoing |
| … Participate in VTB/ITB |  | Roy, Levshina |  | Ongoing |
| Ongoing partner support |  | Roy, Levshina | *Q: how much?* | Ongoing |
| *… Support EGI/EMI* | *What is needed? How will it work?* | Roy |  | Ongoing |
| *… TeraGrid* | *Work has been fading: priority? XD?* | Roy |  | Ongoing |
| … Other grids | There aren’t many | Roy | Minimal | Ongoing |
| *Native packaging* | *Needs discussion* | Roy | *More than expected!* |  |
| Documentation |  | Roy, Levshina |  | Ongoing |
| …Participate in documentation activity |  |  |  | Ongoing |
| … Maintain documentation for storage aimed at Tier 3s |  |  |  |  |
| Build software not being built |  | Roy |  |  |
| … Bestman | *Still waiting on source: concern!* |  | 1 FTE week |  |
| … VOMS Admin |  |  | 1 FTE week |  |
| Security related… |  |  |  |  |
| *…Build & test infrastructure for security components* | *Priority of this? From Software Team?* |  |  |  |
| …Upgrade to new VOMS |  |  | 2 FTE weeks? | Early fall |
| … Integrate GUMS unit tests & build |  |  | 1 FTE week? | Early fall |
| Upgrade software infrastructure |  |  |  |  |
| *… Upgrade to Globus 5* | *Do we agree on this?* |  | 2 FTE weeks | August/September |
| *… Add CREAM* | *Do we agree on this?* |  | 1 FTE month? | Early fall/winter |
| *Campus Router* | *Agreement?* |  |  |  |
| … Define contents of campus router |  | Roy, Fraser | 1 FTE Week? |  |
| … Elaborate WBS based on definition |  |  |  |  |
| *Submit Host* | *Do we agree on this?* Client + glidein front end + monitoring + … | Roy, ? |  |  |
| ... Define contents of submit host |  |  | 1 FTE week? |  |
| … Elaborate WBS based on definition |  |  |  |  |
| *Add Operations Center software?* | *Do we agree on this?* |  | May be significant |  |
| ... Define contents with GOC |  | Roy, Quick |  |  |
| … Elaborate WBS based on definition |  |  |  |  |
| Opportunistic storage |  | Levshina |  |  |
| … Evaluate data management tools (esp. iRODS) |  | Levshina |  |  |
| … install & operate prototype |  | Levshina |  |  |
| … Work with with Engage and LIGO VOs to improve public storage accessability and management |  | Levshina |  |  |
| … Work with storage resource providers to authorized central management of public storage |  | Levshina |  |  |
| … expand discovery and test tools to work with selected data management software |  | Levshina |  |  |
| … continue work on pigeon tools (incorporate into RSV and pilot job test suite) |  | Levshina |  |  |
| … Work with sites to improve accuracy of advertised information, to support opportunistic storage |  | Levshina |  |  |
| Work as liaision between major stakeholders and software developers |  | Roy, Levshina |  | Ongoing |
| … Participate in WLCG Technical Group work, report to ET |  | Roy, Levshina |  |  |
| … Participate in gLite/EMI EMT meetings, report to ET |  | Roy |  |  |
| … Participate in OSG/CDIGS meetings |  | Roy |  |  |
| …Monitor LCG install capacity activities related to SE Glue schema |  | Levshina |  |  |
| … Work with storage software developers to minimize downtime for storage upgrade |  | Levshina |  |  |
| New storage-related technical effort |  | Levshina |  |  |
| … Evaluate/test dcache support for ACL |  |  |  |  |
| … Evaluate/test dcache srm load balancing in dcache |  |  |  |  |
| … Continue work on evaluation/test of xrootd/xrootdfs security |  |  |  |  |
| … Continue Evaluate/test BeStMan2 | Will replace Bestman; Used by Tier 3s |  |  | End of Year 4/Beginning of Year 5 |
| … Continue work on improvement of community chesttool, adding tools for hadoop, xrootd etc |  |  |  |  |
| NEES Archiver Toolkit |  |  |  |  |
| … Work with NEES to plan effort |  |  |  |  |
| … Expand WBS in consultation with ET based on plan |  |  |  |  |