

# LIGO Applications (1.0.4)

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**OSG Executive Team Report: May 4<sup>th</sup>, 2011**

# WBS Items

| 42 | 1.0.4     | No | LIGO Applications                     | Blackburn                | 10/1/10 | 9/30/11 | 55%  |  |   |
|----|-----------|----|---------------------------------------|--------------------------|---------|---------|------|--|---|
| 43 | 1.0.4.1   | No | E@H science production                | Engel                    | 10/1/10 | 9/30/11 | 45%  |  |   |
| 44 | 1.0.4.1.1 | No | Evaluate and adopt glideinWMS,        | Engel                    | 1/17/11 | 4/15/11 | 25%  |  | Only preliminary investigations have been carried out.. |
| 45 | 1.0.4.1.2 | No | E@OSG production submission           | Engel                    | 10/1/10 | 9/30/11 | 58%  |  |   |
| 46 | 1.0.4.2   | No | Binary Inspiral Workflow production   | Daudert, Engel           | 10/1/10 | 9/30/11 | 67%  |  |   |
| 47 | 1.0.4.2.1 | No | Develop and deploy data movement plan | Daudert, Engel, Levshina | 10/1/10 | 11/1/10 | 100% |  |   |
| 48 | 1.0.4.2.2 | No | Deploy CBC Pegasus and Corral-WMS     | Daudert, Engel, Rynge    | 10/1/10 | 1/15/11 | 100% |  |   |
| 49 | 1.0.4.2.3 | No | production over multiple sites        | Daudert, Engel, Rynge    | 2/1/11  | 6/30/11 | 60%  |  |   |
| 50 | 1.0.4.2.4 | No | CBC production "factory"              | Daudert, Engel           | 6/1/11  | 9/30/11 | 58%  |  |   |

# What is running significantly late and thus needs attention

- Originally scheduled the establishment of a Binary Inspiral Workflow Factory at Caltech for the week after the OSG All-Hands Meeting. Robert has not been able to promote this to a priority on his list to deliver
- Meanwhile, continuing to run using the factory provided by ISI for this with no issues
- Recent developments: UWMilwaukee taking an interest in setting up a factory for LIGO Data Grid. Hope to leverage as team to span both LDG and OSG

# What WBS items have been completed

- 1.0.4.2.1: Develop and deploy data movement plan (movement, validation, cataloging)
  - Testing continues to assure version control and migration compatibility as needed
- 1.0.4.2.2: Develop and deploy execution environment using Pegasus and Corral-WMS
  - New functionality is expected in future release of Pegasus which will benefit from a revisit of deployment

# What WBS items need to be added/removed and why

- 1.0.4.1.1: Evaluate and adopt glideinWMS, if appropriate for E@OSG
  - Robert Engel has not been able to dedicate time to this task
  - Current environment is very similar to the glide-in / factory model and has been very successful
- Recommend that this WBS item be removed at this time if others agree

# Other Considerations

- Recent drop in LIGO utilization attributed to several factors
  - Upgrade to E@OSG software deployment revealed several site specific trouble tickets
  - Competition may be increasing for opportunistic use

